

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: P1029540

Luminaire Tested: S122DIW-B485D710UB2750-4F0-XX-W2A-A1_3500K

Issue Date: 5/6/2025

Test Information

Test Method: LM-79-2019
Report Number: P1029540
REPORT IS A COMBINATION OF REPORTS P986199 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-A1_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

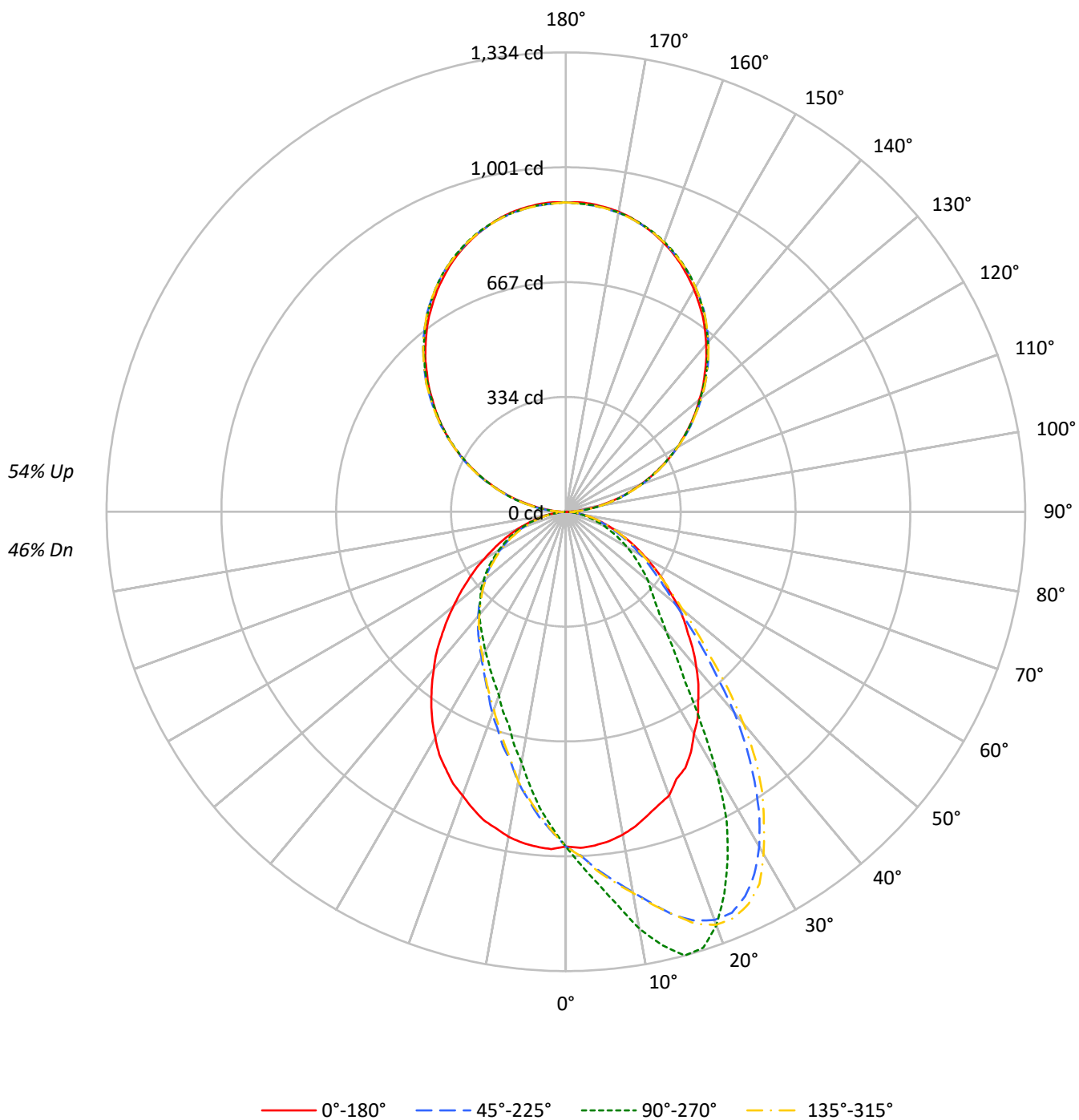
Lumens per Lamp: N/A
Luminaire Lumens: 4658.0 lumens
Efficiency: N/A
Efficacy: 98.7 lumens/watt
Spacing Criteria (0/90/45): 1.16 / 1.09 / 1.23
Luminous Opening: Rectangular w/ Sides (W: 0.17' x L: 4' x H: 0.1')
CIE Type: General Diffuse

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: P1029540

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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	106	106	106	106	97	97	97	97	81	81	81	66	66	66	53	53	53			46
1	97	93	90	86	89	86	83	80	72	70	67	59	57	56	47	46	45			40
2	89	82	76	71	82	75	70	66	63	60	57	52	50	47	42	40	39			34
3	81	72	65	60	75	67	61	56	56	52	48	47	43	41	38	35	33			29
4	75	64	57	51	68	59	53	48	50	45	41	42	38	35	34	31	29			26
5	69	58	50	44	63	53	46	41	45	40	36	38	34	31	31	28	26			22
6	63	52	44	38	58	48	41	36	41	36	32	34	30	27	28	25	23			20
7	59	47	39	34	54	44	37	32	37	32	28	31	27	24	26	23	21			18
8	55	43	35	30	50	40	33	28	34	29	25	29	25	22	24	21	19			16
9	51	39	32	27	47	36	30	25	31	26	22	26	22	20	22	19	17			15
10	48	36	29	24	44	33	27	23	29	24	20	25	21	18	20	18	15			13

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	2.0
10°-20°	269.4	5.8
20°-30°	391.0	8.4
30°-40°	412.2	8.8
40°-50°	364.7	7.8
50°-60°	291.2	6.3
60°-70°	197.8	4.2
70°-80°	101.2	2.2
80°-90°	26.5	0.6
90°-100°	55.6	1.2
100°-110°	176.7	3.8
110°-120°	302.3	6.5
120°-130°	397.5	8.5
130°-140°	446.2	9.6
140°-150°	437.6	9.4
150°-160°	367.1	7.9
160°-170°	243.4	5.2
170°-180°	85.1	1.8
0°-30°	752.9	16.2
0°-40°	1165.1	25.0
0°-60°	1821.1	39.1
0°-90°	2146.6	46.1
90°-120°	534.5	11.5
90°-150°	1815.9	39.0
90°-180°	2511.0	53.9
0°-180°	4658.0	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	26	1	26	1	4
95°	39	47	39	47	39	44
105°	163	168	163	168	163	172
115°	303	303	303	303	303	300
125°	441	443	441	443	441	394
135°	571	578	571	578	571	441
145°	693	700	693	700	693	433
155°	792	798	792	798	792	365
165°	862	863	862	863	862	243
175°	897	894	897	894	897	85
180°	898	898	898	898	898	

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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°	0.8	2.8	4.8	6.9	8.9	9.9	11.7	15.4	19.1	22.8	26.5
92.5°	16.7	18.0	19.4	20.7	22.0	22.7	22.8	23.0	23.1	23.3	23.5
95°	39.4	41.1	42.8	44.5	46.2	47.0	47.2	47.5	47.8	48.2	48.5
97.5°	66.0	67.5	69.0	70.5	72.0	72.8	73.1	73.8	74.5	75.1	75.8
100°	96.3	97.6	99.0	100.3	101.6	102.3	102.6	103.1	103.6	104.1	104.6
102.5°	128.1	129.1	130.1	131.2	132.2	132.7	133.0	133.7	134.4	135.0	135.7
105°	163.0	163.5	164.0	164.5	165.0	165.3	165.5	165.8	166.1	166.5	166.8
107.5°	197.9	198.6	199.2	199.9	200.6	200.9	200.9	200.9	200.9	200.9	200.9
110°	231.2	232.2	233.2	234.3	235.3	235.8	235.8	235.8	235.8	235.8	235.8

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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
112.5°	267.6	268.6	269.6	270.6	271.6	272.1	272.0	271.9	271.7	271.6	271.4
115°	303.2	304.2	305.2	306.3	307.3	307.8	307.6	307.3	307.0	306.6	306.3
117.5°	338.8	340.2	341.5	342.9	344.2	344.9	344.5	343.6	342.8	341.9	341.1
120°	374.5	375.8	377.2	378.5	379.8	380.5	379.8	378.5	377.2	375.8	374.5
122.5°	407.1	408.8	410.5	412.2	413.9	414.7	414.3	413.4	412.6	411.7	410.9
125°	441.2	442.7	444.2	445.7	447.2	448.0	447.7	447.2	446.7	446.2	445.7
127.5°	474.5	476.4	478.2	480.1	482.0	482.9	482.6	481.9	481.2	480.5	479.8
130°	505.6	507.8	510.0	512.2	514.4	515.5	515.3	515.0	514.7	514.3	514.0
132.5°	540.5	542.2	543.9	545.6	547.3	548.1	548.2	548.3	548.5	548.6	548.8
135°	570.8	572.6	574.5	576.3	578.2	579.1	579.3	579.6	580.0	580.3	580.7
137.5°	604.2	605.7	607.2	608.7	610.2	611.0	611.2	611.5	611.8	612.2	612.5
140°	633.7	635.2	636.8	638.3	639.8	640.6	641.0	641.8	642.7	643.5	644.3
142.5°	664.1	665.6	667.1	668.6	670.1	670.9	671.1	671.6	672.1	672.6	673.1
145°	692.9	694.1	695.3	696.4	697.6	698.2	698.7	699.7	700.7	701.7	702.7
147.5°	718.6	720.1	721.7	723.2	724.7	725.5	725.8	726.5	727.2	727.8	728.5
150°	745.2	746.2	747.2	748.2	749.2	749.7	750.0	750.7	751.4	752.0	752.7
152.5°	768.7	769.7	770.7	771.7	772.7	773.2	773.6	774.5	775.3	776.2	777.0
155°	792.2	792.7	793.2	793.7	794.2	794.4	794.7	795.2	795.7	796.2	796.7
157.5°	812.6	812.9	813.3	813.6	813.9	814.1	814.3	814.6	815.0	815.3	815.7
160°	830.8	831.1	831.5	831.8	832.1	832.3	832.4	832.6	832.7	832.9	833.1
162.5°	847.5	847.5	847.5	847.5	847.5	847.5	847.6	847.8	847.9	848.1	848.3
165°	861.9	861.7	861.5	861.4	861.2	861.1	861.1	861.1	861.1	861.1	861.1
167.5°	874.8	874.3	873.8	873.3	872.8	872.5	872.5	872.5	872.5	872.5	872.5
170°	884.6	884.1	883.6	883.1	882.6	882.4	882.3	882.1	882.0	881.8	881.6
172.5°	891.5	891.0	890.5	890.0	889.5	889.2	889.1	888.9	888.8	888.6	888.4
175°	896.8	896.3	895.8	895.3	894.8	894.5	894.3	894.0	893.7	893.3	893.0
177.5°	899.8	899.3	898.8	898.3	897.8	897.5	897.3	897.0	896.7	896.3	896.0
180°	898.3	898.3	898.3	898.3	898.3	898.3	898.3	898.3	898.3	898.3	898.3

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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°	26.2	25.8	25.5	25.2	25.0	25.1	25.3	25.4	25.6	25.8	25.6
92.5°	23.7	23.9	24.0	24.2	24.3	24.3	24.3	24.3	24.3	24.3	24.3
95°	48.5	48.5	48.5	48.5	48.5	48.3	48.0	47.7	47.3	47.0	47.3
97.5°	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8
100°	104.6	104.6	104.6	104.6	104.6	104.5	104.4	104.2	104.1	103.9	104.1
102.5°	135.9	136.0	136.2	136.3	136.4	136.3	136.2	136.0	135.9	135.7	135.9
105°	167.1	167.5	167.8	168.1	168.3	168.3	168.3	168.3	168.3	168.3	168.3
107.5°	201.1	201.2	201.4	201.5	201.6	201.2	200.4	199.5	198.7	197.9	198.7
110°	235.8	235.8	235.8	235.8	235.8	235.5	235.0	234.5	234.0	233.5	234.0

TEST NUMBER: P1029540

CATALOG NUMBER: S122DIW-B485D710UB2750-4F0-XX-W2A-A1_3500K

CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°	95°
112.5°	270.9	270.4	269.9	269.4	269.1	268.9	268.6	268.3	267.9	267.6	267.9
115°	306.1	305.9	305.8	305.6	305.5	305.2	304.7	304.2	303.7	303.2	303.7
117.5°	340.6	340.1	339.6	339.1	338.8	338.6	338.1	337.6	337.1	336.6	337.1
120°	374.5	374.5	374.5	374.5	374.5	374.2	373.7	373.2	372.7	372.2	372.7
122.5°	410.4	409.9	409.4	408.9	408.6	408.4	408.1	407.8	407.4	407.1	407.4
125°	445.2	444.7	444.2	443.7	443.5	443.4	443.2	443.1	442.9	442.7	442.9
127.5°	479.1	478.5	477.8	477.1	476.8	476.5	476.0	475.5	475.0	474.5	475.0
130°	513.6	513.3	512.9	512.6	512.4	512.1	511.4	510.7	510.1	509.4	510.1
132.5°	548.0	547.1	546.3	545.4	545.0	544.8	544.3	543.8	543.3	542.8	543.3
135°	580.5	580.3	580.2	580.0	579.9	579.6	579.1	578.6	578.1	577.6	578.1
137.5°	612.3	612.1	612.0	611.8	611.7	611.4	610.7	610.0	609.4	608.7	609.4
140°	644.3	644.3	644.3	644.3	644.3	644.0	643.3	642.6	642.0	641.3	642.0
142.5°	673.3	673.5	673.6	673.8	673.9	673.6	672.9	672.2	671.6	670.9	671.6
145°	702.9	703.1	703.2	703.4	703.5	703.2	702.5	701.8	701.1	700.4	701.1
147.5°	728.8	729.2	729.5	729.8	730.0	729.7	729.0	728.3	727.7	727.0	727.7
150°	753.2	753.7	754.2	754.7	755.0	754.7	754.2	753.7	753.2	752.7	753.2
152.5°	777.7	778.3	779.0	779.7	780.0	779.7	779.0	778.3	777.7	777.0	777.7
155°	797.5	798.4	799.2	800.1	800.5	800.2	799.7	799.2	798.7	798.2	798.7
157.5°	816.9	818.1	819.2	820.4	821.0	820.6	819.7	818.9	818.0	817.2	818.0
160°	834.1	835.1	836.1	837.1	837.6	837.3	836.6	835.9	835.3	834.6	835.3
162.5°	849.5	850.7	851.8	853.0	853.6	853.2	852.3	851.5	850.6	849.8	850.6
165°	862.3	863.5	864.7	865.9	866.5	866.1	865.2	864.4	863.5	862.7	863.5
167.5°	873.7	874.9	876.0	877.2	877.8	877.4	876.5	875.7	874.8	874.0	874.8
170°	882.8	884.0	885.1	886.3	886.9	886.4	885.4	884.4	883.4	882.4	883.4
172.5°	889.6	890.8	891.9	893.1	893.7	893.2	892.2	891.2	890.2	889.2	890.2
175°	894.2	895.4	896.5	897.7	898.3	897.8	896.8	895.7	894.7	893.7	894.7
177.5°	897.0	898.0	899.1	900.1	900.6	900.1	899.1	898.0	897.0	896.0	897.0
180°	898.3	898.3	898.3	898.3	898.3	898.3	898.3	898.3	898.3	898.3	898.3

TEST NUMBER: P1029540

CATALOG NUMBER: S122DIW-B485D710UB2750-4F0-XX-W2A-A1_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°	25.4	25.3	25.1	25.0	25.2	25.5	25.8	26.2	26.5	22.8	19.1
92.5°	24.3	24.3	24.3	24.3	24.2	24.0	23.9	23.7	23.5	23.3	23.1
95°	47.7	48.0	48.3	48.5	48.5	48.5	48.5	48.5	48.5	48.2	47.8
97.5°	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.1	74.5
100°	104.2	104.4	104.5	104.6	104.6	104.6	104.6	104.6	104.6	104.1	103.6
102.5°	136.0	136.2	136.3	136.4	136.3	136.2	136.0	135.9	135.7	135.0	134.4
105°	168.3	168.3	168.3	168.3	168.1	167.8	167.5	167.1	166.8	166.5	166.1
107.5°	199.5	200.4	201.2	201.6	201.5	201.4	201.2	201.1	200.9	200.9	200.9
110°	234.5	235.0	235.5	235.8	235.8	235.8	235.8	235.8	235.8	235.8	235.8

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CANDELA DISTRIBUTION (continued):

	100°	105°	110°	112.5°	115°	120°	125°	130°	135°	140°	145°
112.5°	268.3	268.6	268.9	269.1	269.4	269.9	270.4	270.9	271.4	271.6	271.7
115°	304.2	304.7	305.2	305.5	305.6	305.8	305.9	306.1	306.3	306.6	307.0
117.5°	337.6	338.1	338.6	338.8	339.1	339.6	340.1	340.6	341.1	341.9	342.8
120°	373.2	373.7	374.2	374.5	374.5	374.5	374.5	374.5	374.5	375.8	377.2
122.5°	407.8	408.1	408.4	408.6	408.9	409.4	409.9	410.4	410.9	411.7	412.6
125°	443.1	443.2	443.4	443.5	443.7	444.2	444.7	445.2	445.7	446.2	446.7
127.5°	475.5	476.0	476.5	476.8	477.1	477.8	478.5	479.1	479.8	480.5	481.2
130°	510.7	511.4	512.1	512.4	512.6	512.9	513.3	513.6	514.0	514.3	514.7
132.5°	543.8	544.3	544.8	545.0	545.4	546.3	547.1	548.0	548.8	548.6	548.5
135°	578.6	579.1	579.6	579.9	580.0	580.2	580.3	580.5	580.7	580.3	580.0
137.5°	610.0	610.7	611.4	611.7	611.8	612.0	612.1	612.3	612.5	612.2	611.8
140°	642.6	643.3	644.0	644.3	644.3	644.3	644.3	644.3	644.3	643.5	642.7
142.5°	672.2	672.9	673.6	673.9	673.8	673.6	673.5	673.3	673.1	672.6	672.1
145°	701.8	702.5	703.2	703.5	703.4	703.2	703.1	702.9	702.7	701.7	700.7
147.5°	728.3	729.0	729.7	730.0	729.8	729.5	729.2	728.8	728.5	727.8	727.2
150°	753.7	754.2	754.7	755.0	754.7	754.2	753.7	753.2	752.7	752.0	751.4
152.5°	778.3	779.0	779.7	780.0	779.7	779.0	778.3	777.7	777.0	776.2	775.3
155°	799.2	799.7	800.2	800.5	800.1	799.2	798.4	797.5	796.7	796.2	795.7
157.5°	818.9	819.7	820.6	821.0	820.4	819.2	818.1	816.9	815.7	815.3	815.0
160°	835.9	836.6	837.3	837.6	837.1	836.1	835.1	834.1	833.1	832.9	832.7
162.5°	851.5	852.3	853.2	853.6	853.0	851.8	850.7	849.5	848.3	848.1	847.9
165°	864.4	865.2	866.1	866.5	865.9	864.7	863.5	862.3	861.1	861.1	861.1
167.5°	875.7	876.5	877.4	877.8	877.2	876.0	874.9	873.7	872.5	872.5	872.5
170°	884.4	885.4	886.4	886.9	886.3	885.1	884.0	882.8	881.6	881.8	882.0
172.5°	891.2	892.2	893.2	893.7	893.1	891.9	890.8	889.6	888.4	888.6	888.8
175°	895.7	896.8	897.8	898.3	897.7	896.5	895.4	894.2	893.0	893.3	893.7
177.5°	898.0	899.1	900.1	900.6	900.1	899.1	898.0	897.0	896.0	896.3	896.7
180°	898.3	898.3	898.3	898.3	898.3	898.3	898.3	898.3	898.3	898.3	898.3

TEST NUMBER: P1029540

CATALOG NUMBER: S122DIW-B485D710UB2750-4F0-XX-W2A-A1_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°	15.4	11.7	9.9	8.9	6.9	4.8	2.8	0.8	2.8	4.8	6.9
92.5°	23.0	22.8	22.7	22.0	20.7	19.4	18.0	16.7	18.0	19.4	20.7
95°	47.5	47.2	47.0	46.2	44.5	42.8	41.1	39.4	41.1	42.8	44.5
97.5°	73.8	73.1	72.8	72.0	70.5	69.0	67.5	66.0	67.5	69.0	70.5
100°	103.1	102.6	102.3	101.6	100.3	99.0	97.6	96.3	97.6	99.0	100.3
102.5°	133.7	133.0	132.7	132.2	131.2	130.1	129.1	128.1	129.1	130.1	131.2
105°	165.8	165.5	165.3	165.0	164.5	164.0	163.5	163.0	163.5	164.0	164.5
107.5°	200.9	200.9	200.9	200.6	199.9	199.2	198.6	197.9	198.6	199.2	199.9
110°	235.8	235.8	235.8	235.3	234.3	233.2	232.2	231.2	232.2	233.2	234.3

TEST NUMBER: P1029540

CATALOG NUMBER: S122DIW-B485D710UB2750-4F0-XX-W2A-A1_3500K

CANDELA DISTRIBUTION (continued):

	150°	155°	157.5°	160°	165°	170°	175°	180°	185°	190°	195°
112.5°	271.9	272.0	272.1	271.6	270.6	269.6	268.6	267.6	268.6	269.6	270.6
115°	307.3	307.6	307.8	307.3	306.3	305.2	304.2	303.2	304.2	305.2	306.3
117.5°	343.6	344.5	344.9	344.2	342.9	341.5	340.2	338.8	340.2	341.5	342.9
120°	378.5	379.8	380.5	379.8	378.5	377.2	375.8	374.5	375.8	377.2	378.5
122.5°	413.4	414.3	414.7	413.9	412.2	410.5	408.8	407.1	408.8	410.5	412.2
125°	447.2	447.7	448.0	447.2	445.7	444.2	442.7	441.2	442.7	444.2	445.7
127.5°	481.9	482.6	482.9	482.0	480.1	478.2	476.4	474.5	476.4	478.2	480.1
130°	515.0	515.3	515.5	514.4	512.2	510.0	507.8	505.6	507.8	510.0	512.2
132.5°	548.3	548.2	548.1	547.3	545.6	543.9	542.2	540.5	542.2	543.9	545.6
135°	579.6	579.3	579.1	578.2	576.3	574.5	572.6	570.8	572.6	574.5	576.3
137.5°	611.5	611.2	611.0	610.2	608.7	607.2	605.7	604.2	605.7	607.2	608.7
140°	641.8	641.0	640.6	639.8	638.3	636.8	635.2	633.7	635.2	636.8	638.3
142.5°	671.6	671.1	670.9	670.1	668.6	667.1	665.6	664.1	665.6	667.1	668.6
145°	699.7	698.7	698.2	697.6	696.4	695.3	694.1	692.9	694.1	695.3	696.4
147.5°	726.5	725.8	725.5	724.7	723.2	721.7	720.1	718.6	720.1	721.7	723.2
150°	750.7	750.0	749.7	749.2	748.2	747.2	746.2	745.2	746.2	747.2	748.2
152.5°	774.5	773.6	773.2	772.7	771.7	770.7	769.7	768.7	769.7	770.7	771.7
155°	795.2	794.7	794.4	794.2	793.7	793.2	792.7	792.2	792.7	793.2	793.7
157.5°	814.6	814.3	814.1	813.9	813.6	813.3	812.9	812.6	812.9	813.3	813.6
160°	832.6	832.4	832.3	832.1	831.8	831.5	831.1	830.8	831.1	831.5	831.8
162.5°	847.8	847.6	847.5	847.5	847.5	847.5	847.5	847.5	847.5	847.5	847.5
165°	861.1	861.1	861.1	861.2	861.4	861.5	861.7	861.9	861.7	861.5	861.4
167.5°	872.5	872.5	872.5	872.8	873.3	873.8	874.3	874.8	874.3	873.8	873.3
170°	882.1	882.3	882.4	882.6	883.1	883.6	884.1	884.6	884.1	883.6	883.1
172.5°	888.9	889.1	889.2	889.5	890.0	890.5	891.0	891.5	891.0	890.5	890.0
175°	894.0	894.3	894.5	894.8	895.3	895.8	896.3	896.8	896.3	895.8	895.3
177.5°	897.0	897.3	897.5	897.8	898.3	898.8	899.3	899.8	899.3	898.8	898.3
180°	898.3	898.3	898.3	898.3	898.3	898.3	898.3	898.3	898.3	898.3	898.3

TEST NUMBER: P1029540

CATALOG NUMBER: S122DIW-B485D710UB2750-4F0-XX-W2A-A1_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°	8.9	9.9	11.7	15.4	19.1	22.8	26.5	26.2	25.8	25.5	25.2
92.5°	22.0	22.7	22.8	23.0	23.1	23.3	23.5	23.7	23.9	24.0	24.2
95°	46.2	47.0	47.2	47.5	47.8	48.2	48.5	48.5	48.5	48.5	48.5
97.5°	72.0	72.8	73.1	73.8	74.5	75.1	75.8	75.8	75.8	75.8	75.8
100°	101.6	102.3	102.6	103.1	103.6	104.1	104.6	104.6	104.6	104.6	104.6
102.5°	132.2	132.7	133.0	133.7	134.4	135.0	135.7	135.9	136.0	136.2	136.3
105°	165.0	165.3	165.5	165.8	166.1	166.5	166.8	167.1	167.5	167.8	168.1
107.5°	200.6	200.9	200.9	200.9	200.9	200.9	200.9	201.1	201.2	201.4	201.5
110°	235.3	235.8	235.8	235.8	235.8	235.8	235.8	235.8	235.8	235.8	235.8

TEST NUMBER: P1029540

CATALOG NUMBER: S122DIW-B485D710UB2750-4F0-XX-W2A-A1_3500K

CANDELA DISTRIBUTION (continued):

	200°	202.5°	205°	210°	215°	220°	225°	230°	235°	240°	245°
112.5°	271.6	272.1	272.0	271.9	271.7	271.6	271.4	270.9	270.4	269.9	269.4
115°	307.3	307.8	307.6	307.3	307.0	306.6	306.3	306.1	305.9	305.8	305.6
117.5°	344.2	344.9	344.5	343.6	342.8	341.9	341.1	340.6	340.1	339.6	339.1
120°	379.8	380.5	379.8	378.5	377.2	375.8	374.5	374.5	374.5	374.5	374.5
122.5°	413.9	414.7	414.3	413.4	412.6	411.7	410.9	410.4	409.9	409.4	408.9
125°	447.2	448.0	447.7	447.2	446.7	446.2	445.7	445.2	444.7	444.2	443.7
127.5°	482.0	482.9	482.6	481.9	481.2	480.5	479.8	479.1	478.5	477.8	477.1
130°	514.4	515.5	515.3	515.0	514.7	514.3	514.0	513.6	513.3	512.9	512.6
132.5°	547.3	548.1	548.2	548.3	548.5	548.6	548.8	548.0	547.1	546.3	545.4
135°	578.2	579.1	579.3	579.6	580.0	580.3	580.7	580.5	580.3	580.2	580.0
137.5°	610.2	611.0	611.2	611.5	611.8	612.2	612.5	612.3	612.1	612.0	611.8
140°	639.8	640.6	641.0	641.8	642.7	643.5	644.3	644.3	644.3	644.3	644.3
142.5°	670.1	670.9	671.1	671.6	672.1	672.6	673.1	673.3	673.5	673.6	673.8
145°	697.6	698.2	698.7	699.7	700.7	701.7	702.7	702.9	703.1	703.2	703.4
147.5°	724.7	725.5	725.8	726.5	727.2	727.8	728.5	728.8	729.2	729.5	729.8
150°	749.2	749.7	750.0	750.7	751.4	752.0	752.7	753.2	753.7	754.2	754.7
152.5°	772.7	773.2	773.6	774.5	775.3	776.2	777.0	777.7	778.3	779.0	779.7
155°	794.2	794.4	794.7	795.2	795.7	796.2	796.7	797.5	798.4	799.2	800.1
157.5°	813.9	814.1	814.3	814.6	815.0	815.3	815.7	816.9	818.1	819.2	820.4
160°	832.1	832.3	832.4	832.6	832.7	832.9	833.1	834.1	835.1	836.1	837.1
162.5°	847.5	847.5	847.6	847.8	847.9	848.1	848.3	849.5	850.7	851.8	853.0
165°	861.2	861.1	861.1	861.1	861.1	861.1	861.1	862.3	863.5	864.7	865.9
167.5°	872.8	872.5	872.5	872.5	872.5	872.5	872.5	873.7	874.9	876.0	877.2
170°	882.6	882.4	882.3	882.1	882.0	881.8	881.6	882.8	884.0	885.1	886.3
172.5°	889.5	889.2	889.1	888.9	888.8	888.6	888.4	889.6	890.8	891.9	893.1
175°	894.8	894.5	894.3	894.0	893.7	893.3	893.0	894.2	895.4	896.5	897.7
177.5°	897.8	897.5	897.3	897.0	896.7	896.3	896.0	897.0	898.0	899.1	900.1
180°	898.3	898.3	898.3	898.3	898.3	898.3	898.3	898.3	898.3	898.3	898.3

TEST NUMBER: P1029540

CATALOG NUMBER: S122DIW-B485D710UB2750-4F0-XX-W2A-A1_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°	25.0	25.1	25.3	25.4	25.6	25.8	25.6	25.4	25.3	25.1	25.0
92.5°	24.3	24.3	24.3	24.3	24.3	24.3	24.3	24.3	24.3	24.3	24.3
95°	48.5	48.3	48.0	47.7	47.3	47.0	47.3	47.7	48.0	48.3	48.5
97.5°	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8
100°	104.6	104.5	104.4	104.2	104.1	103.9	104.1	104.2	104.4	104.5	104.6
102.5°	136.4	136.3	136.2	136.0	135.9	135.7	135.9	136.0	136.2	136.3	136.4
105°	168.3	168.3	168.3	168.3	168.3	168.3	168.3	168.3	168.3	168.3	168.3
107.5°	201.6	201.2	200.4	199.5	198.7	197.9	198.7	199.5	200.4	201.2	201.6
110°	235.8	235.5	235.0	234.5	234.0	233.5	234.0	234.5	235.0	235.5	235.8

TEST NUMBER: P1029540

CATALOG NUMBER: S122DIW-B485D710UB2750-4F0-XX-W2A-A1_3500K

CANDELA DISTRIBUTION (continued):

	247.5°	250°	255°	260°	265°	270°	275°	280°	285°	290°	292.5°
112.5°	269.1	268.9	268.6	268.3	267.9	267.6	267.9	268.3	268.6	268.9	269.1
115°	305.5	305.2	304.7	304.2	303.7	303.2	303.7	304.2	304.7	305.2	305.5
117.5°	338.8	338.6	338.1	337.6	337.1	336.6	337.1	337.6	338.1	338.6	338.8
120°	374.5	374.2	373.7	373.2	372.7	372.2	372.7	373.2	373.7	374.2	374.5
122.5°	408.6	408.4	408.1	407.8	407.4	407.1	407.4	407.8	408.1	408.4	408.6
125°	443.5	443.4	443.2	443.1	442.9	442.7	442.9	443.1	443.2	443.4	443.5
127.5°	476.8	476.5	476.0	475.5	475.0	474.5	475.0	475.5	476.0	476.5	476.8
130°	512.4	512.1	511.4	510.7	510.1	509.4	510.1	510.7	511.4	512.1	512.4
132.5°	545.0	544.8	544.3	543.8	543.3	542.8	543.3	543.8	544.3	544.8	545.0
135°	579.9	579.6	579.1	578.6	578.1	577.6	578.1	578.6	579.1	579.6	579.9
137.5°	611.7	611.4	610.7	610.0	609.4	608.7	609.4	610.0	610.7	611.4	611.7
140°	644.3	644.0	643.3	642.6	642.0	641.3	642.0	642.6	643.3	644.0	644.3
142.5°	673.9	673.6	672.9	672.2	671.6	670.9	671.6	672.2	672.9	673.6	673.9
145°	703.5	703.2	702.5	701.8	701.1	700.4	701.1	701.8	702.5	703.2	703.5
147.5°	730.0	729.7	729.0	728.3	727.7	727.0	727.7	728.3	729.0	729.7	730.0
150°	755.0	754.7	754.2	753.7	753.2	752.7	753.2	753.7	754.2	754.7	755.0
152.5°	780.0	779.7	779.0	778.3	777.7	777.0	777.7	778.3	779.0	779.7	780.0
155°	800.5	800.2	799.7	799.2	798.7	798.2	798.7	799.2	799.7	800.2	800.5
157.5°	821.0	820.6	819.7	818.9	818.0	817.2	818.0	818.9	819.7	820.6	821.0
160°	837.6	837.3	836.6	835.9	835.3	834.6	835.3	835.9	836.6	837.3	837.6
162.5°	853.6	853.2	852.3	851.5	850.6	849.8	850.6	851.5	852.3	853.2	853.6
165°	866.5	866.1	865.2	864.4	863.5	862.7	863.5	864.4	865.2	866.1	866.5
167.5°	877.8	877.4	876.5	875.7	874.8	874.0	874.8	875.7	876.5	877.4	877.8
170°	886.9	886.4	885.4	884.4	883.4	882.4	883.4	884.4	885.4	886.4	886.9
172.5°	893.7	893.2	892.2	891.2	890.2	889.2	890.2	891.2	892.2	893.2	893.7
175°	898.3	897.8	896.8	895.7	894.7	893.7	894.7	895.7	896.8	897.8	898.3
177.5°	900.6	900.1	899.1	898.0	897.0	896.0	897.0	898.0	899.1	900.1	900.6
180°	898.3	898.3	898.3	898.3	898.3	898.3	898.3	898.3	898.3	898.3	898.3

TEST NUMBER: P1029540

CATALOG NUMBER: S122DIW-B485D710UB2750-4F0-XX-W2A-A1_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°	25.2	25.5	25.8	26.2	26.5	22.8	19.1	15.4	11.7	9.9	8.9
92.5°	24.2	24.0	23.9	23.7	23.5	23.3	23.1	23.0	22.8	22.7	22.0
95°	48.5	48.5	48.5	48.5	48.5	48.2	47.8	47.5	47.2	47.0	46.2
97.5°	75.8	75.8	75.8	75.8	75.8	75.1	74.5	73.8	73.1	72.8	72.0
100°	104.6	104.6	104.6	104.6	104.6	104.1	103.6	103.1	102.6	102.3	101.6
102.5°	136.3	136.2	136.0	135.9	135.7	135.0	134.4	133.7	133.0	132.7	132.2
105°	168.1	167.8	167.5	167.1	166.8	166.5	166.1	165.8	165.5	165.3	165.0
107.5°	201.5	201.4	201.2	201.1	200.9	200.9	200.9	200.9	200.9	200.9	200.6
110°	235.8	235.8	235.8	235.8	235.8	235.8	235.8	235.8	235.8	235.8	235.3

TEST NUMBER: P1029540

CATALOG NUMBER: S122DIW-B485D710UB2750-4F0-XX-W2A-A1_3500K

CANDELA DISTRIBUTION (continued):

	295°	300°	305°	310°	315°	320°	325°	330°	335°	337.5°	340°
112.5°	269.4	269.9	270.4	270.9	271.4	271.6	271.7	271.9	272.0	272.1	271.6
115°	305.6	305.8	305.9	306.1	306.3	306.6	307.0	307.3	307.6	307.8	307.3
117.5°	339.1	339.6	340.1	340.6	341.1	341.9	342.8	343.6	344.5	344.9	344.2
120°	374.5	374.5	374.5	374.5	374.5	375.8	377.2	378.5	379.8	380.5	379.8
122.5°	408.9	409.4	409.9	410.4	410.9	411.7	412.6	413.4	414.3	414.7	413.9
125°	443.7	444.2	444.7	445.2	445.7	446.2	446.7	447.2	447.7	448.0	447.2
127.5°	477.1	477.8	478.5	479.1	479.8	480.5	481.2	481.9	482.6	482.9	482.0
130°	512.6	512.9	513.3	513.6	514.0	514.3	514.7	515.0	515.3	515.5	514.4
132.5°	545.4	546.3	547.1	548.0	548.8	548.6	548.5	548.3	548.2	548.1	547.3
135°	580.0	580.2	580.3	580.5	580.7	580.3	580.0	579.6	579.3	579.1	578.2
137.5°	611.8	612.0	612.1	612.3	612.5	612.2	611.8	611.5	611.2	611.0	610.2
140°	644.3	644.3	644.3	644.3	644.3	643.5	642.7	641.8	641.0	640.6	639.8
142.5°	673.8	673.6	673.5	673.3	673.1	672.6	672.1	671.6	671.1	670.9	670.1
145°	703.4	703.2	703.1	702.9	702.7	701.7	700.7	699.7	698.7	698.2	697.6
147.5°	729.8	729.5	729.2	728.8	728.5	727.8	727.2	726.5	725.8	725.5	724.7
150°	754.7	754.2	753.7	753.2	752.7	752.0	751.4	750.7	750.0	749.7	749.2
152.5°	779.7	779.0	778.3	777.7	777.0	776.2	775.3	774.5	773.6	773.2	772.7
155°	800.1	799.2	798.4	797.5	796.7	796.2	795.7	795.2	794.7	794.4	794.2
157.5°	820.4	819.2	818.1	816.9	815.7	815.3	815.0	814.6	814.3	814.1	813.9
160°	837.1	836.1	835.1	834.1	833.1	832.9	832.7	832.6	832.4	832.3	832.1
162.5°	853.0	851.8	850.7	849.5	848.3	848.1	847.9	847.8	847.6	847.5	847.5
165°	865.9	864.7	863.5	862.3	861.1	861.1	861.1	861.1	861.1	861.1	861.2
167.5°	877.2	876.0	874.9	873.7	872.5	872.5	872.5	872.5	872.5	872.5	872.8
170°	886.3	885.1	884.0	882.8	881.6	881.8	882.0	882.1	882.3	882.4	882.6
172.5°	893.1	891.9	890.8	889.6	888.4	888.6	888.8	888.9	889.1	889.2	889.5
175°	897.7	896.5	895.4	894.2	893.0	893.3	893.7	894.0	894.3	894.5	894.8
177.5°	900.1	899.1	898.0	897.0	896.0	896.3	896.7	897.0	897.3	897.5	897.8
180°	898.3	898.3	898.3	898.3	898.3	898.3	898.3	898.3	898.3	898.3	898.3

TEST NUMBER: P1029540

CATALOG NUMBER: S122DIW-B485D710UB2750-4F0-XX-W2A-A1_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°	6.9	4.8	2.8	0.8
92.5°	20.7	19.4	18.0	16.7
95°	44.5	42.8	41.1	39.4
97.5°	70.5	69.0	67.5	66.0
100°	100.3	99.0	97.6	96.3
102.5°	131.2	130.1	129.1	128.1
105°	164.5	164.0	163.5	163.0
107.5°	199.9	199.2	198.6	197.9
110°	234.3	233.2	232.2	231.2

TEST NUMBER: P1029540

CATALOG NUMBER: S122DIW-B485D710UB2750-4F0-XX-W2A-A1_3500K

CANDELA DISTRIBUTION (continued):

	345°	350°	355°	360°
112.5°	270.6	269.6	268.6	267.6
115°	306.3	305.2	304.2	303.2
117.5°	342.9	341.5	340.2	338.8
120°	378.5	377.2	375.8	374.5
122.5°	412.2	410.5	408.8	407.1
125°	445.7	444.2	442.7	441.2
127.5°	480.1	478.2	476.4	474.5
130°	512.2	510.0	507.8	505.6
132.5°	545.6	543.9	542.2	540.5
135°	576.3	574.5	572.6	570.8
137.5°	608.7	607.2	605.7	604.2
140°	638.3	636.8	635.2	633.7
142.5°	668.6	667.1	665.6	664.1
145°	696.4	695.3	694.1	692.9
147.5°	723.2	721.7	720.1	718.6
150°	748.2	747.2	746.2	745.2
152.5°	771.7	770.7	769.7	768.7
155°	793.7	793.2	792.7	792.2
157.5°	813.6	813.3	812.9	812.6
160°	831.8	831.5	831.1	830.8
162.5°	847.5	847.5	847.5	847.5
165°	861.4	861.5	861.7	861.9
167.5°	873.3	873.8	874.3	874.8
170°	883.1	883.6	884.1	884.6
172.5°	890.0	890.5	891.0	891.5
175°	895.3	895.8	896.3	896.8
177.5°	898.3	898.8	899.3	899.8
180°	898.3	898.3	898.3	898.3

(END OF REPORT)