

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: P1032734

Luminaire Tested: S124DIW-B575D470UB2750-4F0-XX-W2A-A1_5000K

Issue Date: 5/7/2025

Test Information

Test Method: LM-79-2019
Report Number: P1032734
REPORT IS A COMBINATION OF REPORTS P997816 AND P1007351
Test Lab: INNOVATION CENTER
Issue Date: 5/7/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: NEO-RAY
Catalog Number: S124DIW-B575D470UB2750-4F0-XX-W2A-A1_5000K
Description: Define 4 Direct/Indirect Wall Mount with 5000K BioUP LEDs {m-DER=1.015} {m-EER=1.115}
Light Source: -
Ballast/Driver: -

Summary

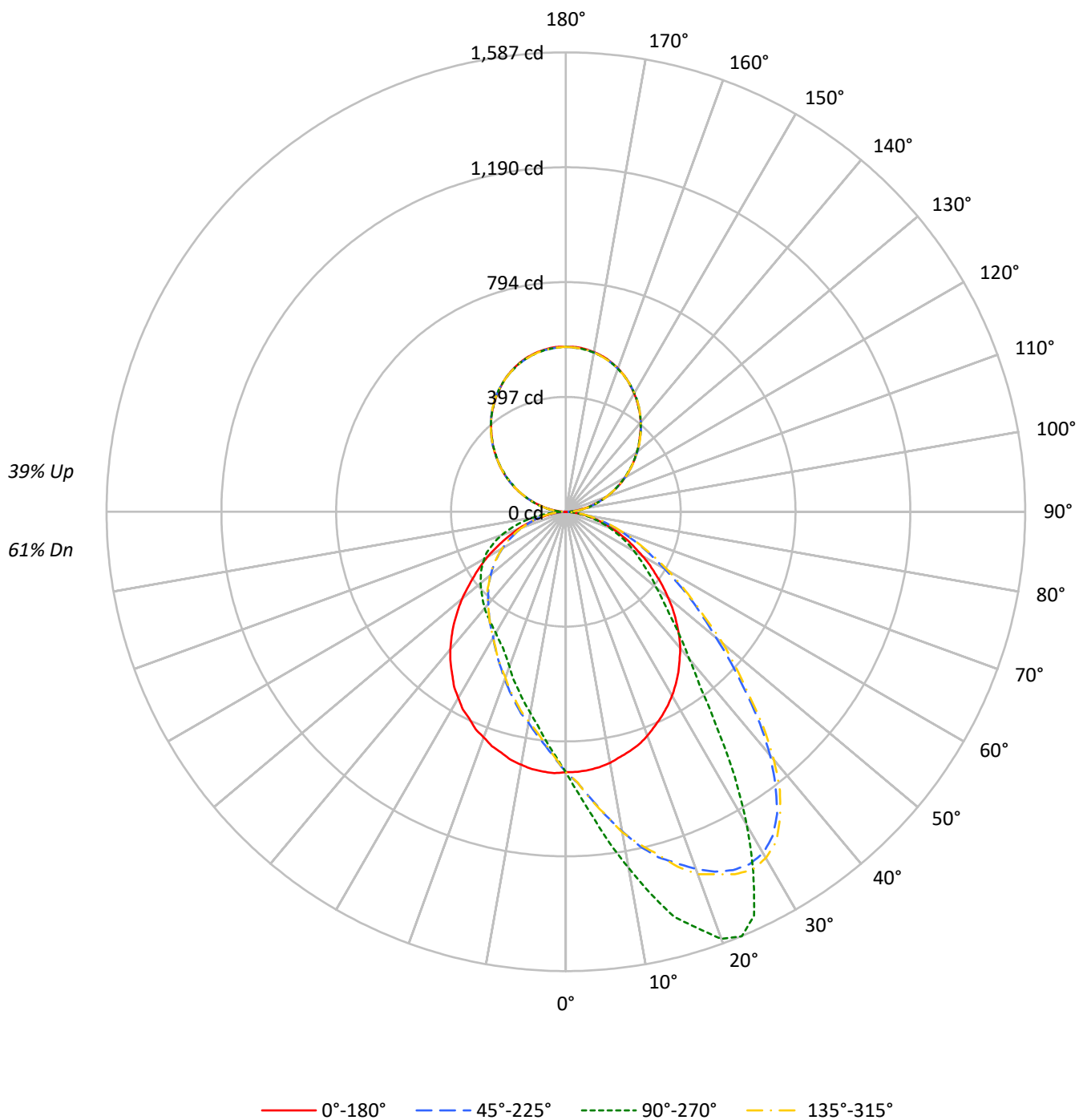
Lumens per Lamp: N/A
Luminaire Lumens: 4064.0 lumens
Efficiency: N/A
Efficacy: 109.2 lumens/watt
Spacing Criteria (0/90/45): 1.22 / 1.3 / 1.41
Luminous Opening: Rectangular w/ Sides (W: 0.33' x L: 4' x H: 0.1')
CIE Type: Semi-Direct

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: P1032734

CATALOG NUMBER: S124DIW-B575D470UB2750-4F0-XX-W2A-A1_5000K

Luminous Intensity Polar Plot



TEST NUMBER: P1032734

CATALOG NUMBER: S124DIW-B575D470UB2750-4F0-XX-W2A-A1_5000K

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
RCR																	
0	110	110	110	110	103	103	103	103	90	90	90	77	77	77	66	66	66
1	101	96	92	89	94	90	87	84	79	76	74	69	67	65	59	58	57
2	92	84	78	73	86	79	74	69	70	65	62	61	58	55	52	50	48
3	84	74	67	61	78	70	63	58	62	57	52	54	50	47	47	44	41
4	77	66	58	52	72	62	55	50	55	49	45	48	44	40	42	39	36
5	71	59	51	45	66	56	48	43	49	43	39	43	39	35	38	34	31
6	65	53	45	39	61	50	43	37	45	39	34	39	35	31	34	31	28
7	61	48	40	35	57	46	38	33	41	35	30	36	31	27	31	28	25
8	56	44	36	31	53	41	34	29	37	31	27	33	28	25	29	25	22
9	52	40	33	27	49	38	31	26	34	28	24	30	26	22	27	23	20
10	49	37	30	25	46	35	28	24	31	26	22	28	23	20	25	21	18

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	7335	7335	7335	7335
5°	7316	8414	7359	6323
10°	7261	9817	7316	5547
15°	7174	11317	7225	4964
20°	7082	12272	7132	4450
25°	6946	12131	7012	4071
30°	6813	10027	6897	3876
35°	6627	7472	6700	3758
40°	6410	5629	6473	3699
45°	6079	4518	6154	3621
50°	5683	3806	5765	3584
55°	5218	3313	5299	3542
60°	4765	2917	4904	3483
65°	4340	2510	4381	3338
70°	3840	2065	3924	3073
75°	3352	1586	3328	2611
80°	2636	1043	2603	1983
85°	1732	470	1630	1155

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 145°

Vertical Angle: 45°

Luminance: 9484 cd/sqm

TEST NUMBER: P1032734

CATALOG NUMBER: S124DIW-B575D470UB2750-4F0-XX-W2A-A1_5000K

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	87.5	2.2
10°-20°	270.2	6.6
20°-30°	429.2	10.6
30°-40°	477.0	11.7
40°-50°	433.7	10.7
50°-60°	354.5	8.7
60°-70°	253.0	6.2
70°-80°	139.2	3.4
80°-90°	38.8	1.0
90°-100°	37.1	0.9
100°-110°	111.2	2.7
110°-120°	189.0	4.6
120°-130°	249.2	6.1
130°-140°	279.9	6.9
140°-150°	275.1	6.8
150°-160°	231.4	5.7
160°-170°	154.0	3.8
170°-180°	53.9	1.3
0°-30°	787.0	19.4
0°-40°	1263.9	31.1
0°-60°	2052.1	50.5
0°-90°	2483.2	61.1
90°-120°	337.3	8.3
90°-150°	1141.5	28.1
90°-180°	1581.0	38.9
0°-180°	4064.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	900	900	900	900	900	
5°	896	1055	901	793	896	85
15°	856	1449	862	636	856	241
25°	781	1539	788	516	781	360
35°	677	910	685	458	677	423
45°	540	510	547	409	540	417
55°	380	334	386	357	380	342
65°	237	215	239	285	237	234
75°	116	107	116	177	116	122
85°	24	22	22	55	24	28
90°	1	13	1	13	1	3
95°	26	35	26	35	26	29
105°	103	108	103	108	103	109
115°	192	190	192	190	192	189
125°	280	278	280	278	280	249
135°	361	361	361	361	361	279
145°	438	439	438	439	438	274
155°	502	502	502	502	502	231
165°	547	546	547	546	547	154
175°	569	566	569	566	569	54
180°	570	570	570	570	570	

TEST NUMBER: P1032734

CATALOG NUMBER: S124DIW-B575D470UB2750-4F0-XX-W2A-A1_5000K

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	899.5	899.5	899.5	899.5	899.5	899.5	899.5	899.5	899.5	899.5	899.5
2.5°	899.5	908.4	912.1	915.1	924.8	927.8	928.5	933.0	936.7	937.5	937.5
5°	895.7	909.9	921.1	931.5	947.2	953.9	962.1	971.0	982.9	990.4	994.1
7.5°	889.8	910.6	927.8	945.7	967.3	980.7	988.1	1012.0	1028.4	1041.8	1058.2
10°	880.8	907.7	932.3	958.3	988.9	1005.3	1021.7	1050.7	1073.8	1099.9	1120.8
12.5°	867.4	902.4	932.3	968.8	1006.8	1026.1	1045.5	1096.2	1123.0	1146.1	1183.4
15°	855.5	890.5	933.0	970.3	1017.2	1046.3	1074.6	1107.4	1149.9	1199.8	1235.5
17.5°	842.1	886.0	925.5	977.7	1029.9	1057.4	1080.5	1131.2	1190.8	1240.0	1272.8
20°	823.5	868.2	920.3	975.5	1037.3	1058.9	1089.5	1157.3	1211.0	1259.4	1313.1
22.5°	801.8	854.0	909.1	962.1	1026.1	1071.6	1105.1	1164.8	1229.6	1285.5	1345.8
25°	781.0	837.6	886.0	958.3	1026.1	1056.7	1094.7	1165.5	1236.3	1304.1	1366.0
27.5°	758.6	811.5	877.1	934.5	1011.2	1044.8	1085.8	1163.3	1238.5	1306.3	1372.7
30°	734.0	790.7	845.1	912.9	987.4	1030.6	1068.6	1152.8	1229.6	1300.4	1362.2
32.5°	706.5	760.1	818.2	882.3	960.6	1004.5	1052.2	1138.7	1220.6	1281.8	1329.4
35°	677.4	731.8	782.5	848.0	928.5	972.5	1018.7	1114.1	1195.3	1245.2	1272.8
37.5°	645.3	696.8	746.7	811.5	892.0	939.0	985.9	1078.3	1155.1	1196.8	1189.3
40°	614.8	661.0	707.2	768.3	852.5	902.4	943.4	1036.6	1103.6	1121.5	1096.9
42.5°	579.8	619.3	664.0	726.6	808.5	855.5	906.9	991.9	1041.8	1034.3	992.6
45°	540.3	575.3	620.0	678.9	762.3	810.8	854.0	934.5	971.0	952.4	876.4
47.5°	502.3	536.5	573.1	631.9	713.2	754.1	798.1	870.4	891.3	851.8	775.8
50°	461.3	489.6	527.6	583.5	659.5	702.7	739.2	797.4	804.8	756.4	677.4
52.5°	421.8	445.6	482.1	537.3	608.1	642.4	678.1	729.6	723.6	673.7	597.7
55°	380.1	402.4	435.9	486.6	549.2	582.0	612.6	658.0	645.3	593.9	527.6
57.5°	345.0	360.7	393.5	440.4	491.8	527.6	553.7	589.5	570.1	518.7	456.8
60°	304.8	324.2	351.7	389.7	440.4	464.3	487.4	511.2	497.8	448.6	393.5
62.5°	268.3	283.2	307.0	343.5	383.0	404.6	429.2	444.1	430.7	385.3	339.1
65°	237.0	248.9	267.5	297.3	335.3	353.2	367.4	381.5	370.4	327.9	294.4
67.5°	202.7	213.1	228.8	252.6	284.7	297.3	310.8	320.4	307.8	279.5	246.7
70°	172.1	179.6	194.5	212.4	234.7	246.7	257.8	267.5	256.4	232.5	207.9
72.5°	140.8	146.8	160.2	172.9	193.0	201.2	209.4	216.9	213.1	190.8	170.7
75°	116.3	118.5	127.4	137.9	150.5	159.5	165.4	169.9	166.9	149.0	136.4
77.5°	87.9	90.9	97.6	105.8	117.0	122.2	125.9	130.4	126.7	112.5	103.6
80°	64.1	64.8	68.6	76.0	83.5	84.2	87.9	93.9	91.7	82.0	75.3
82.5°	41.0	43.2	44.7	49.2	54.4	55.9	58.1	59.6	58.9	52.9	50.7
85°	23.8	23.8	25.3	28.3	29.8	32.0	32.8	33.5	35.0	31.3	29.1
87.5°	10.4	11.2	11.2	11.9	13.4	13.4	14.2	14.9	15.6	14.9	12.7
90°	1.3	2.4	3.5	4.6	5.7	6.2	6.6	7.4	8.1	8.9	9.7
92.5°	11.5	12.8	14.0	15.3	16.6	17.2	17.4	17.9	18.4	18.9	19.4
95°	26.4	27.3	28.2	29.1	30.0	30.4	30.7	31.4	32.1	32.8	33.5
97.5°	42.3	43.1	43.9	44.6	45.4	45.8	46.2	47.0	47.7	48.5	49.3
100°	61.7	62.1	62.5	62.8	63.2	63.4	63.8	64.7	65.6	66.5	67.4
102.5°	82.0	82.1	82.2	82.3	82.4	82.4	82.8	83.6	84.3	85.1	85.9
105°	102.7	102.8	102.9	103.0	103.1	103.1	103.3	103.7	104.1	104.5	104.9
107.5°	124.3	124.4	124.5	124.6	124.7	124.7	124.7	124.8	124.9	125.0	125.1
110°	146.3	146.5	146.7	146.9	147.1	147.2	147.1	147.0	146.9	146.8	146.7



TEST NUMBER: P1032734

CATALOG NUMBER: S124DIW-B575D470UB2750-4F0-XX-W2A-A1_5000K

CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
112.5°	169.2	169.2	169.2	169.2	169.2	169.2	169.1	168.9	168.7	168.5	168.3
115°	192.1	192.1	192.1	192.1	192.1	192.1	192.0	191.8	191.6	191.4	191.2
117.5°	213.7	213.7	213.7	213.7	213.7	213.7	213.7	213.6	213.5	213.4	213.3
120°	235.3	235.7	236.1	236.5	236.9	237.1	236.9	236.6	236.3	236.0	235.7
122.5°	257.8	257.9	258.0	258.1	258.2	258.2	258.2	258.1	258.0	257.9	257.8
125°	279.8	279.8	279.8	279.8	279.8	279.8	279.8	279.7	279.6	279.5	279.4
127.5°	299.6	299.9	300.2	300.5	300.8	300.9	300.8	300.6	300.5	300.3	300.1
130°	320.8	321.1	321.4	321.7	322.0	322.1	322.1	322.1	322.1	322.1	322.1
132.5°	342.4	342.6	342.8	342.9	343.1	343.2	343.2	343.1	343.0	342.9	342.8
135°	360.9	361.5	362.1	362.6	363.2	363.5	363.5	363.5	363.5	363.5	363.5
137.5°	381.6	381.9	382.2	382.5	382.8	382.9	383.0	383.2	383.4	383.6	383.8
140°	402.3	402.5	402.7	402.9	403.1	403.2	403.2	403.2	403.2	403.2	403.2
142.5°	421.2	421.4	421.6	421.8	422.0	422.1	422.1	422.0	421.9	421.8	421.7
145°	438.4	438.8	439.2	439.6	440.0	440.2	440.2	440.3	440.4	440.5	440.6
147.5°	456.0	456.5	457.0	457.5	458.0	458.2	458.2	458.1	458.0	457.9	457.8
150°	471.9	472.3	472.7	473.1	473.5	473.7	473.7	473.7	473.7	473.7	473.7
152.5°	486.9	487.1	487.3	487.5	487.7	487.8	487.8	487.9	488.0	488.1	488.2
155°	502.3	502.3	502.3	502.3	502.3	502.3	502.3	502.2	502.1	502.0	501.9
157.5°	515.5	515.3	515.1	514.9	514.7	514.6	514.6	514.6	514.6	514.6	514.6
160°	527.0	526.9	526.8	526.7	526.6	526.5	526.5	526.4	526.3	526.2	526.1
162.5°	537.6	537.3	537.0	536.7	536.4	536.2	536.2	536.1	536.0	535.9	535.8
165°	546.8	546.5	546.2	545.9	545.6	545.5	545.4	545.2	545.0	544.8	544.6
167.5°	554.3	553.9	553.5	553.1	552.7	552.5	552.5	552.5	552.5	552.5	552.5
170°	560.5	560.0	559.5	559.0	558.5	558.3	558.3	558.4	558.5	558.6	558.7
172.5°	564.9	564.5	564.1	563.7	563.3	563.1	563.1	563.1	563.1	563.1	563.1
175°	568.8	568.3	567.8	567.3	566.8	566.6	566.6	566.5	566.4	566.3	566.2
177.5°	570.6	570.1	569.6	569.1	568.6	568.4	568.4	568.4	568.4	568.4	568.4
180°	569.7	569.7	569.7	569.7	569.7	569.7	569.7	569.7	569.7	569.7	569.7

TEST NUMBER: P1032734

CATALOG NUMBER: S124DIW-B575D470UB2750-4F0-XX-W2A-A1_5000K

CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°	95°
0°	899.5	899.5	899.5	899.5	899.5	899.5	899.5	899.5	899.5	899.5	899.5
2.5°	939.7	953.1	959.1	960.6	968.8	963.5	965.8	965.0	971.0	971.7	971.7
5°	1008.3	1023.9	1029.1	1036.6	1047.8	1050.7	1048.5	1053.0	1061.2	1055.2	1064.2
7.5°	1080.5	1097.7	1109.6	1126.0	1129.7	1139.4	1145.4	1150.6	1152.1	1152.8	1154.3
10°	1147.6	1169.2	1185.6	1213.2	1219.2	1224.4	1250.5	1240.0	1253.4	1249.0	1250.5
12.5°	1202.0	1244.5	1257.9	1304.1	1308.6	1326.5	1325.0	1341.4	1344.3	1350.3	1344.3
15°	1273.6	1322.7	1344.3	1370.4	1385.3	1406.2	1409.9	1432.3	1441.2	1449.4	1441.2
17.5°	1339.1	1365.2	1420.4	1441.2	1450.9	1462.1	1490.4	1498.6	1512.0	1506.8	1521.7
20°	1371.9	1409.2	1467.3	1503.1	1518.0	1528.4	1552.3	1564.9	1570.1	1570.1	1571.6
22.5°	1401.0	1454.6	1497.9	1538.8	1552.3	1559.7	1573.9	1583.6	1585.8	1587.3	1588.8
25°	1427.1	1475.5	1510.5	1533.6	1538.8	1538.8	1547.0	1541.1	1531.4	1538.8	1543.3
27.5°	1427.1	1461.3	1477.0	1485.2	1485.2	1465.1	1453.1	1428.6	1407.7	1401.7	1415.1
30°	1403.2	1418.9	1397.3	1377.1	1361.5	1348.1	1301.1	1263.9	1256.4	1251.2	1271.3
32.5°	1348.1	1328.0	1285.5	1227.4	1204.3	1173.7	1137.2	1108.9	1091.7	1085.8	1081.3
35°	1250.5	1198.3	1143.1	1064.9	1048.5	1009.8	959.8	939.0	910.6	909.9	919.6
37.5°	1143.9	1063.4	1003.8	929.3	906.2	865.2	818.2	796.6	777.2	762.3	780.2
40°	1019.4	949.4	858.5	797.4	764.6	743.0	703.5	679.6	670.7	663.2	674.4
42.5°	903.2	826.4	755.6	693.0	666.2	641.6	615.5	592.4	585.7	585.0	593.2
45°	787.7	712.4	646.8	593.2	576.0	561.1	535.8	529.1	517.9	510.5	514.2
47.5°	695.3	617.8	563.4	522.4	507.5	494.8	478.4	467.2	457.6	454.6	459.0
50°	604.4	552.2	496.3	462.0	450.8	438.9	426.3	415.8	411.4	408.4	411.4
52.5°	531.3	475.4	437.4	409.9	398.7	389.7	380.8	376.3	370.4	371.9	374.8
55°	465.8	416.6	384.5	364.4	357.7	354.0	342.8	337.6	335.3	333.9	335.3
57.5°	403.9	368.1	344.3	327.1	318.2	316.0	307.0	307.0	304.8	302.6	303.3
60°	354.7	324.2	301.1	287.6	286.2	282.4	276.5	275.7	270.5	272.7	273.5
62.5°	304.8	280.2	264.5	256.4	251.1	249.6	245.9	245.2	242.9	243.7	242.2
65°	265.3	245.2	229.5	222.8	220.6	219.8	216.9	214.6	213.1	214.6	213.1
67.5°	225.8	212.4	200.5	193.8	190.8	190.0	187.8	186.3	187.0	184.8	186.3
70°	188.5	175.1	167.7	163.9	162.5	160.2	160.2	160.2	160.2	158.7	158.0
72.5°	158.7	145.3	140.1	137.9	136.4	135.6	133.4	134.1	133.4	132.6	135.6
75°	125.9	117.7	112.5	110.3	111.8	109.5	107.3	108.8	106.6	107.3	110.3
77.5°	95.4	91.7	88.7	87.2	85.7	84.2	84.2	82.7	82.7	82.7	82.7
80°	69.3	68.6	63.3	62.6	62.6	61.1	61.1	61.1	61.1	60.4	61.1
82.5°	46.2	45.5	44.0	43.2	41.7	42.5	42.5	41.0	41.0	40.2	41.0
85°	26.8	26.8	25.3	24.6	23.8	24.6	23.1	22.4	23.1	22.4	23.1
87.5°	12.7	11.2	11.9	11.2	9.7	10.4	8.9	9.7	8.9	8.2	9.7
90°	10.3	10.9	11.4	12.0	12.3	12.4	12.6	12.8	13.0	13.2	13.0
92.5°	19.7	20.0	20.3	20.6	20.7	20.7	20.8	20.9	21.0	21.1	21.0
95°	33.8	34.1	34.4	34.7	34.8	34.8	34.8	34.8	34.8	34.8	34.8
97.5°	49.7	50.1	50.5	50.9	51.1	51.1	51.1	51.1	51.1	51.1	51.1
100°	67.6	67.8	68.0	68.2	68.3	68.3	68.3	68.3	68.3	68.3	68.3
102.5°	86.2	86.5	86.8	87.1	87.2	87.3	87.4	87.5	87.6	87.7	87.6
105°	105.2	105.5	105.8	106.1	106.2	106.3	106.6	106.9	107.2	107.5	107.2
107.5°	125.5	125.9	126.3	126.7	126.9	126.9	126.8	126.7	126.6	126.5	126.6
110°	146.5	146.3	146.1	145.9	145.8	146.0	146.3	146.6	146.9	147.2	146.9

TEST NUMBER: P1032734

CATALOG NUMBER: S124DIW-B575D470UB2750-4F0-XX-W2A-A1_5000K

CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°	95°
112.5°	168.3	168.3	168.3	168.3	168.3	168.3	168.3	168.3	168.3	168.3	168.3
115°	191.1	191.0	190.9	190.8	190.8	190.7	190.6	190.5	190.4	190.3	190.4
117.5°	213.0	212.7	212.4	212.1	211.9	211.8	211.5	211.2	210.9	210.6	210.9
120°	235.2	234.7	234.2	233.7	233.5	233.6	233.8	234.0	234.2	234.4	234.2
122.5°	257.5	257.2	256.9	256.6	256.4	256.2	255.7	255.2	254.7	254.2	254.7
125°	279.2	279.0	278.8	278.6	278.5	278.4	278.2	278.0	277.8	277.6	277.8
127.5°	299.9	299.7	299.5	299.3	299.2	299.1	299.0	298.9	298.8	298.7	298.8
130°	321.9	321.7	321.5	321.3	321.2	321.0	320.6	320.3	319.9	319.5	319.9
132.5°	342.6	342.4	342.2	342.0	341.9	341.9	341.8	341.7	341.6	341.5	341.6
135°	363.3	363.1	362.9	362.7	362.6	362.5	362.2	361.9	361.6	361.3	361.6
137.5°	383.5	383.2	382.9	382.6	382.5	382.5	382.6	382.7	382.8	382.9	382.8
140°	403.1	403.0	402.9	402.8	402.7	402.7	402.6	402.5	402.4	402.3	402.4
142.5°	421.7	421.7	421.7	421.7	421.7	421.7	421.7	421.7	421.7	421.7	421.7
145°	440.5	440.4	440.3	440.2	440.2	440.1	439.8	439.5	439.2	438.9	439.2
147.5°	457.7	457.6	457.5	457.4	457.4	457.3	457.2	457.1	457.0	456.9	457.0
150°	473.7	473.7	473.7	473.7	473.7	473.6	473.5	473.4	473.3	473.2	473.3
152.5°	488.5	488.8	489.1	489.4	489.5	489.4	489.1	488.8	488.5	488.2	488.5
155°	502.3	502.7	503.0	503.4	503.6	503.4	503.0	502.7	502.3	501.9	502.3
157.5°	514.9	515.2	515.5	515.8	516.0	515.8	515.5	515.2	514.9	514.6	514.9
160°	526.4	526.7	527.0	527.3	527.4	527.2	526.7	526.2	525.7	525.2	525.7
162.5°	536.4	537.0	537.5	538.1	538.4	538.2	537.7	537.2	536.7	536.2	536.7
165°	545.2	545.8	546.4	547.0	547.3	547.1	546.7	546.3	545.9	545.5	545.9
167.5°	553.1	553.7	554.3	554.9	555.2	554.9	554.3	553.7	553.1	552.5	553.1
170°	559.3	559.9	560.5	561.1	561.4	561.1	560.4	559.7	559.0	558.3	559.0
172.5°	563.8	564.5	565.2	565.9	566.2	565.9	565.2	564.5	563.8	563.1	563.8
175°	566.9	567.6	568.3	569.0	569.3	569.0	568.3	567.6	566.9	566.2	566.9
177.5°	569.1	569.8	570.5	571.2	571.5	571.1	570.3	569.6	568.8	568.0	568.8
180°	569.7	569.7	569.7	569.7	569.7	569.7	569.7	569.7	569.7	569.7	569.7

TEST NUMBER: P1032734

CATALOG NUMBER: S124DIW-B575D470UB2750-4F0-XX-W2A-A1_5000K

CANDELA DISTRIBUTION (continued):

	100°	105°	110°	112.5°	115°	120°	125°	130°	135°	140°	145°
0°	899.5	899.5	899.5	899.5	899.5	899.5	899.5	899.5	899.5	899.5	899.5
2.5°	970.3	968.0	965.0	965.0	961.3	961.3	955.4	944.9	936.0	933.0	934.5
5°	1053.0	1053.7	1049.2	1045.5	1038.8	1033.6	1023.9	1005.3	999.3	987.4	979.2
7.5°	1147.6	1144.6	1136.4	1130.5	1129.0	1117.1	1096.2	1073.8	1056.0	1044.0	1026.9
10°	1254.2	1242.3	1230.3	1226.6	1217.7	1197.5	1173.7	1149.1	1124.5	1098.4	1069.4
12.5°	1343.6	1320.5	1319.8	1310.8	1293.7	1282.5	1254.2	1219.2	1176.7	1147.6	1114.8
15°	1439.7	1418.1	1400.2	1383.8	1375.6	1342.9	1319.0	1275.0	1224.4	1193.1	1170.7
17.5°	1508.3	1498.6	1468.1	1460.6	1449.4	1411.4	1373.4	1330.2	1286.2	1242.3	1181.9
20°	1563.4	1557.5	1537.4	1526.9	1509.0	1479.2	1433.0	1383.1	1332.4	1269.8	1213.2
22.5°	1587.3	1579.8	1563.4	1554.5	1543.3	1518.0	1478.5	1421.9	1355.5	1299.6	1239.3
25°	1540.3	1553.8	1549.3	1545.6	1541.1	1526.2	1496.4	1446.4	1381.6	1318.3	1243.0
27.5°	1434.5	1457.6	1480.0	1483.0	1490.4	1496.4	1484.4	1448.7	1394.3	1327.2	1244.5
30°	1292.2	1302.6	1348.1	1361.5	1371.9	1409.9	1432.3	1423.3	1381.6	1321.2	1245.2
32.5°	1109.6	1137.2	1183.4	1215.4	1243.7	1286.2	1344.3	1367.5	1352.5	1303.4	1228.1
35°	936.7	969.5	1023.2	1064.2	1092.5	1152.8	1221.4	1271.3	1289.9	1265.4	1198.3
37.5°	795.1	834.6	882.3	898.0	930.8	1005.3	1099.9	1169.2	1214.7	1216.9	1164.8
40°	688.6	708.7	746.7	770.5	802.6	865.2	957.6	1049.2	1117.8	1140.9	1113.3
42.5°	598.4	614.0	642.4	671.4	700.5	748.2	833.1	918.8	1011.2	1057.4	1056.7
45°	526.9	543.3	562.6	586.5	606.6	658.0	725.1	813.0	892.8	964.3	982.2
47.5°	464.3	478.4	502.3	512.7	526.1	574.6	632.7	714.7	797.4	879.3	900.2
50°	418.1	430.0	446.4	453.1	468.0	503.8	551.5	617.8	709.4	784.7	823.5
52.5°	376.3	385.3	397.9	403.2	413.6	440.4	483.6	535.8	611.8	689.3	743.7
55°	340.6	346.5	355.5	361.4	368.9	392.7	424.8	471.7	537.3	604.4	657.3
57.5°	307.0	311.5	320.4	323.4	329.4	348.0	370.4	409.9	470.2	529.8	581.3
60°	275.7	278.7	283.9	290.6	295.1	307.8	328.6	361.4	409.9	464.3	506.0
62.5°	245.9	250.4	251.9	254.9	258.6	270.5	286.9	310.8	353.2	397.9	441.9
65°	215.4	219.1	222.1	222.8	226.5	235.5	250.4	271.3	298.8	337.6	378.6
67.5°	187.0	189.3	190.8	193.8	197.5	202.0	213.9	229.5	254.9	286.2	318.9
70°	161.0	161.0	163.2	163.9	168.4	173.6	178.8	193.8	216.1	241.4	263.8
72.5°	132.6	136.4	135.6	139.4	138.6	142.3	149.0	158.7	175.1	195.2	216.9
75°	108.1	110.3	110.3	110.3	111.8	114.8	118.5	127.4	140.1	156.5	169.2
77.5°	84.2	85.7	85.7	85.7	86.4	89.4	93.2	99.1	108.1	117.7	125.2
80°	60.4	61.9	61.9	63.3	63.3	64.1	67.8	70.8	75.3	82.7	90.2
82.5°	41.0	41.7	43.2	43.2	42.5	44.0	44.7	47.7	52.2	53.7	58.9
85°	22.4	23.1	23.8	23.8	24.6	26.1	25.3	28.3	28.3	31.3	32.8
87.5°	8.9	10.4	10.4	9.7	10.4	10.4	10.4	11.9	12.7	13.4	12.7
90°	12.8	12.6	12.4	12.3	12.0	11.4	10.9	10.3	9.7	8.9	8.1
92.5°	20.9	20.8	20.7	20.7	20.6	20.3	20.0	19.7	19.4	18.9	18.4
95°	34.8	34.8	34.8	34.8	34.7	34.4	34.1	33.8	33.5	32.8	32.1
97.5°	51.1	51.1	51.1	51.1	50.9	50.5	50.1	49.7	49.3	48.5	47.7
100°	68.3	68.3	68.3	68.3	68.2	68.0	67.8	67.6	67.4	66.5	65.6
102.5°	87.5	87.4	87.3	87.2	87.1	86.8	86.5	86.2	85.9	85.1	84.3
105°	106.9	106.6	106.3	106.2	106.1	105.8	105.5	105.2	104.9	104.5	104.1
107.5°	126.7	126.8	126.9	126.9	126.7	126.3	125.9	125.5	125.1	125.0	124.9
110°	146.6	146.3	146.0	145.8	145.9	146.1	146.3	146.5	146.7	146.8	146.9

TEST NUMBER: P1032734

CATALOG NUMBER: S124DIW-B575D470UB2750-4F0-XX-W2A-A1_5000K

CANDELA DISTRIBUTION (continued):

	100°	105°	110°	112.5°	115°	120°	125°	130°	135°	140°	145°
112.5°	168.3	168.3	168.3	168.3	168.3	168.3	168.3	168.3	168.3	168.5	168.7
115°	190.5	190.6	190.7	190.8	190.8	190.9	191.0	191.1	191.2	191.4	191.6
117.5°	211.2	211.5	211.8	211.9	212.1	212.4	212.7	213.0	213.3	213.4	213.5
120°	234.0	233.8	233.6	233.5	233.7	234.2	234.7	235.2	235.7	236.0	236.3
122.5°	255.2	255.7	256.2	256.4	256.6	256.9	257.2	257.5	257.8	257.9	258.0
125°	278.0	278.2	278.4	278.5	278.6	278.8	279.0	279.2	279.4	279.5	279.6
127.5°	298.9	299.0	299.1	299.2	299.3	299.5	299.7	299.9	300.1	300.3	300.5
130°	320.3	320.6	321.0	321.2	321.3	321.5	321.7	321.9	322.1	322.1	322.1
132.5°	341.7	341.8	341.9	341.9	342.0	342.2	342.4	342.6	342.8	342.9	343.0
135°	361.9	362.2	362.5	362.6	362.7	362.9	363.1	363.3	363.5	363.5	363.5
137.5°	382.7	382.6	382.5	382.5	382.6	382.9	383.2	383.5	383.8	383.6	383.4
140°	402.5	402.6	402.7	402.7	402.8	402.9	403.0	403.1	403.2	403.2	403.2
142.5°	421.7	421.7	421.7	421.7	421.7	421.7	421.7	421.7	421.7	421.8	421.9
145°	439.5	439.8	440.1	440.2	440.2	440.3	440.4	440.5	440.6	440.5	440.4
147.5°	457.1	457.2	457.3	457.4	457.4	457.5	457.6	457.7	457.8	457.9	458.0
150°	473.4	473.5	473.6	473.7	473.7	473.7	473.7	473.7	473.7	473.7	473.7
152.5°	488.8	489.1	489.4	489.5	489.4	489.1	488.8	488.5	488.2	488.1	488.0
155°	502.7	503.0	503.4	503.6	503.4	503.0	502.7	502.3	501.9	502.0	502.1
157.5°	515.2	515.5	515.8	516.0	515.8	515.5	515.2	514.9	514.6	514.6	514.6
160°	526.2	526.7	527.2	527.4	527.3	527.0	526.7	526.4	526.1	526.2	526.3
162.5°	537.2	537.7	538.2	538.4	538.1	537.5	537.0	536.4	535.8	535.9	536.0
165°	546.3	546.7	547.1	547.3	547.0	546.4	545.8	545.2	544.6	544.8	545.0
167.5°	553.7	554.3	554.9	555.2	554.9	554.3	553.7	553.1	552.5	552.5	552.5
170°	559.7	560.4	561.1	561.4	561.1	560.5	559.9	559.3	558.7	558.6	558.5
172.5°	564.5	565.2	565.9	566.2	565.9	565.2	564.5	563.8	563.1	563.1	563.1
175°	567.6	568.3	569.0	569.3	569.0	568.3	567.6	566.9	566.2	566.3	566.4
177.5°	569.6	570.3	571.1	571.5	571.2	570.5	569.8	569.1	568.4	568.4	568.4
180°	569.7	569.7	569.7	569.7	569.7	569.7	569.7	569.7	569.7	569.7	569.7

TEST NUMBER: P1032734

CATALOG NUMBER: S124DIW-B575D470UB2750-4F0-XX-W2A-A1_5000K

CANDELA DISTRIBUTION (continued):

	150°	155°	157.5°	160°	165°	170°	175°	180°	185°	190°	195°
0°	899.5	899.5	899.5	899.5	899.5	899.5	899.5	899.5	899.5	899.5	899.5
2.5°	927.8	924.8	922.6	922.6	915.9	909.1	905.4	903.9	902.4	896.5	888.3
5°	965.8	956.1	949.4	942.7	931.5	919.6	907.7	901.0	891.3	877.9	868.2
7.5°	1008.3	985.2	977.7	969.5	947.2	927.0	910.6	896.5	880.8	863.7	846.6
10°	1044.0	1019.4	1003.0	988.9	959.8	933.0	908.4	887.5	867.4	845.1	824.2
12.5°	1078.3	1043.3	1026.1	1005.3	974.7	936.0	903.9	877.9	848.0	824.9	799.6
15°	1126.0	1067.1	1038.8	1025.4	984.4	939.0	900.2	861.5	836.9	801.8	779.5
17.5°	1133.5	1085.8	1067.1	1032.9	983.7	932.3	887.5	848.8	811.5	780.2	751.2
20°	1159.5	1096.9	1067.1	1045.5	980.7	928.5	879.3	829.4	793.6	760.1	727.3
22.5°	1175.9	1105.1	1073.8	1039.6	977.7	915.1	857.0	813.8	769.8	735.5	709.4
25°	1171.5	1100.7	1065.6	1033.6	958.3	895.7	843.6	788.4	747.4	710.2	675.9
27.5°	1169.2	1089.5	1052.2	1016.5	945.7	880.1	814.5	769.8	724.3	681.1	655.8
30°	1163.3	1075.3	1032.1	993.4	919.6	851.0	795.1	743.0	697.5	658.0	624.5
32.5°	1143.1	1051.5	1009.8	968.0	891.3	822.7	766.1	717.6	672.2	631.2	599.1
35°	1116.3	1023.2	977.7	933.7	857.0	787.7	735.5	684.8	642.4	602.9	572.3
37.5°	1089.5	990.4	947.9	897.2	826.4	754.1	700.5	655.0	615.5	574.6	541.0
40°	1050.7	951.6	904.7	861.5	778.7	710.9	661.7	620.8	582.0	543.3	514.9
42.5°	997.8	909.1	860.7	813.0	735.5	668.4	620.8	584.2	547.7	515.7	484.4
45°	944.2	857.7	814.5	772.0	687.8	624.5	580.5	547.0	516.4	481.4	456.1
47.5°	879.3	806.3	763.1	721.4	641.6	578.3	538.0	506.7	478.4	449.4	425.5
50°	813.0	749.7	710.2	667.0	590.9	533.6	494.1	468.0	444.9	417.3	397.9
52.5°	741.5	686.3	652.8	611.1	544.0	491.1	450.8	424.8	405.4	385.3	368.1
55°	665.5	625.2	589.5	555.9	492.6	444.9	409.1	386.0	372.6	354.0	339.1
57.5°	596.9	558.2	536.5	498.5	443.4	396.4	368.1	348.8	333.1	321.9	310.0
60°	525.4	494.1	470.2	442.7	394.2	354.7	324.9	313.7	297.3	289.1	283.9
62.5°	456.8	434.5	412.1	391.2	348.0	310.8	288.4	274.2	264.5	256.4	251.9
65°	392.0	371.1	355.5	336.8	301.1	271.3	250.4	239.2	229.5	227.3	222.1
67.5°	328.6	319.7	302.6	287.6	257.1	234.0	218.3	204.2	199.0	196.7	192.3
70°	275.0	264.5	251.1	238.5	215.4	195.2	181.1	175.9	168.4	167.7	162.5
72.5°	226.5	213.9	204.2	194.5	177.4	159.5	152.0	144.6	140.8	137.9	135.6
75°	179.6	170.7	163.9	155.7	140.8	128.9	118.5	115.5	113.3	112.5	111.0
77.5°	134.1	128.2	125.2	117.0	106.6	96.1	91.7	87.2	87.2	85.7	86.4
80°	95.4	91.7	87.9	83.5	74.5	70.0	66.3	63.3	61.9	61.1	61.9
82.5°	60.4	58.1	57.4	54.4	48.4	46.2	43.2	41.0	41.0	41.0	41.0
85°	33.5	33.5	33.5	29.1	26.8	24.6	23.1	22.4	22.4	22.4	23.1
87.5°	14.2	14.2	11.9	11.9	11.2	9.7	8.9	8.9	9.7	9.7	10.4
90°	7.4	6.6	6.2	5.7	4.6	3.5	2.4	1.3	2.4	3.5	4.6
92.5°	17.9	17.4	17.2	16.6	15.3	14.0	12.8	11.5	12.8	14.0	15.3
95°	31.4	30.7	30.4	30.0	29.1	28.2	27.3	26.4	27.3	28.2	29.1
97.5°	47.0	46.2	45.8	45.4	44.6	43.9	43.1	42.3	43.1	43.9	44.6
100°	64.7	63.8	63.4	63.2	62.8	62.5	62.1	61.7	62.1	62.5	62.8
102.5°	83.6	82.8	82.4	82.4	82.3	82.2	82.1	82.0	82.1	82.2	82.3
105°	103.7	103.3	103.1	103.1	103.0	102.9	102.8	102.7	102.8	102.9	103.0
107.5°	124.8	124.7	124.7	124.7	124.6	124.5	124.4	124.3	124.4	124.5	124.6
110°	147.0	147.1	147.2	147.1	146.9	146.7	146.5	146.3	146.5	146.7	146.9

TEST NUMBER: P1032734

CATALOG NUMBER: S124DIW-B575D470UB2750-4F0-XX-W2A-A1_5000K

CANDELA DISTRIBUTION (continued):

	150°	155°	157.5°	160°	165°	170°	175°	180°	185°	190°	195°
112.5°	168.9	169.1	169.2	169.2	169.2	169.2	169.2	169.2	169.2	169.2	169.2
115°	191.8	192.0	192.1	192.1	192.1	192.1	192.1	192.1	192.1	192.1	192.1
117.5°	213.6	213.7	213.7	213.7	213.7	213.7	213.7	213.7	213.7	213.7	213.7
120°	236.6	236.9	237.1	236.9	236.5	236.1	235.7	235.3	235.7	236.1	236.5
122.5°	258.1	258.2	258.2	258.2	258.1	258.0	257.9	257.8	257.9	258.0	258.1
125°	279.7	279.8	279.8	279.8	279.8	279.8	279.8	279.8	279.8	279.8	279.8
127.5°	300.6	300.8	300.9	300.8	300.5	300.2	299.9	299.6	299.9	300.2	300.5
130°	322.1	322.1	322.1	322.0	321.7	321.4	321.1	320.8	321.1	321.4	321.7
132.5°	343.1	343.2	343.2	343.1	342.9	342.8	342.6	342.4	342.6	342.8	342.9
135°	363.5	363.5	363.5	363.2	362.6	362.1	361.5	360.9	361.5	362.1	362.6
137.5°	383.2	383.0	382.9	382.8	382.5	382.2	381.9	381.6	381.9	382.2	382.5
140°	403.2	403.2	403.2	403.1	402.9	402.7	402.5	402.3	402.5	402.7	402.9
142.5°	422.0	422.1	422.1	422.0	421.8	421.6	421.4	421.2	421.4	421.6	421.8
145°	440.3	440.2	440.2	440.0	439.6	439.2	438.8	438.4	438.8	439.2	439.6
147.5°	458.1	458.2	458.2	458.0	457.5	457.0	456.5	456.0	456.5	457.0	457.5
150°	473.7	473.7	473.7	473.5	473.1	472.7	472.3	471.9	472.3	472.7	473.1
152.5°	487.9	487.8	487.8	487.7	487.5	487.3	487.1	486.9	487.1	487.3	487.5
155°	502.2	502.3	502.3	502.3	502.3	502.3	502.3	502.3	502.3	502.3	502.3
157.5°	514.6	514.6	514.6	514.7	514.9	515.1	515.3	515.5	515.3	515.1	514.9
160°	526.4	526.5	526.5	526.6	526.7	526.8	526.9	527.0	526.9	526.8	526.7
162.5°	536.1	536.2	536.2	536.4	536.7	537.0	537.3	537.6	537.3	537.0	536.7
165°	545.2	545.4	545.5	545.6	545.9	546.2	546.5	546.8	546.5	546.2	545.9
167.5°	552.5	552.5	552.5	552.7	553.1	553.5	553.9	554.3	553.9	553.5	553.1
170°	558.4	558.3	558.3	558.5	559.0	559.5	560.0	560.5	560.0	559.5	559.0
172.5°	563.1	563.1	563.1	563.3	563.7	564.1	564.5	564.9	564.5	564.1	563.7
175°	566.5	566.6	566.6	566.8	567.3	567.8	568.3	568.8	568.3	567.8	567.3
177.5°	568.4	568.4	568.4	568.6	569.1	569.6	570.1	570.6	570.1	569.6	569.1
180°	569.7	569.7	569.7	569.7	569.7	569.7	569.7	569.7	569.7	569.7	569.7

TEST NUMBER: P1032734

CATALOG NUMBER: S124DIW-B575D470UB2750-4F0-XX-W2A-A1_5000K

CANDELA DISTRIBUTION (continued):

	200°	202.5°	205°	210°	215°	220°	225°	230°	235°	240°	245°
0°	899.5	899.5	899.5	899.5	899.5	899.5	899.5	899.5	899.5	899.5	899.5
2.5°	886.0	883.1	884.6	877.1	870.4	860.7	852.5	851.0	849.5	854.0	851.0
5°	860.7	857.0	853.3	844.3	830.9	822.7	810.8	810.0	805.6	798.9	800.3
7.5°	833.1	830.9	825.7	811.5	799.6	785.4	775.8	767.6	763.8	757.9	755.6
10°	810.8	802.6	798.1	782.5	768.3	753.4	740.7	734.8	728.1	722.8	719.1
12.5°	780.2	778.0	765.3	752.7	740.7	723.6	713.9	696.8	687.8	692.3	690.8
15°	760.1	749.7	746.7	728.8	708.7	697.5	679.6	668.4	664.7	658.0	649.8
17.5°	733.3	726.6	716.1	699.7	676.6	661.0	648.3	637.9	633.4	624.5	617.8
20°	707.9	696.8	688.6	673.7	651.3	631.2	615.5	608.8	597.7	590.2	586.5
22.5°	684.8	676.6	664.7	642.4	623.0	603.6	585.0	575.3	564.9	560.4	554.4
25°	656.5	643.1	634.9	610.3	589.5	573.8	556.7	544.0	538.0	530.6	529.1
27.5°	629.0	616.3	606.6	585.0	559.6	539.5	529.1	520.2	509.7	509.7	506.0
30°	601.4	592.4	577.5	556.7	532.8	513.4	501.5	493.3	489.6	486.6	485.9
32.5°	573.8	561.9	552.9	524.6	506.7	488.9	479.9	473.2	468.7	468.0	468.7
35°	545.5	532.1	523.1	497.8	479.9	463.5	459.8	453.8	451.6	450.8	454.6
37.5°	515.7	505.2	494.1	473.2	453.1	443.4	435.9	433.7	433.0	437.4	438.9
40°	488.1	479.2	468.7	446.4	431.5	421.0	417.3	415.1	418.1	422.5	424.8
42.5°	462.0	449.4	441.2	421.0	407.6	401.7	397.2	397.2	400.2	405.4	409.1
45°	434.5	424.8	416.6	398.7	386.8	380.1	379.3	380.1	383.8	387.5	392.0
47.5°	407.6	397.9	389.0	374.1	363.7	359.9	359.2	359.9	365.9	371.1	376.3
50°	383.0	372.6	364.4	350.2	342.0	337.6	338.3	342.0	346.5	354.0	360.7
52.5°	354.0	346.5	339.1	326.4	318.9	316.0	318.2	321.2	329.4	334.6	342.8
55°	325.7	318.9	313.0	303.3	297.3	295.1	296.6	301.1	307.8	316.7	326.4
57.5°	299.6	292.1	286.2	279.5	272.7	273.5	274.2	280.2	288.4	296.6	307.8
60°	270.5	266.0	260.8	252.6	249.6	249.6	251.9	258.6	266.0	279.5	289.1
62.5°	244.4	238.5	234.7	229.5	225.1	225.8	231.0	237.0	245.9	257.1	269.8
65°	217.6	210.9	207.9	203.4	202.0	202.7	206.4	215.4	225.1	234.7	246.7
67.5°	187.8	185.6	182.6	178.1	179.6	180.3	184.1	191.5	202.0	211.6	225.1
70°	162.5	158.0	157.2	153.5	153.5	155.7	163.2	168.4	178.1	188.5	202.7
72.5°	135.6	131.9	131.9	128.9	131.2	133.4	137.1	144.6	153.5	163.9	175.9
75°	108.1	106.6	108.1	106.6	106.6	110.3	114.8	120.7	130.4	141.6	151.3
77.5°	83.5	83.5	82.7	85.0	85.0	87.2	93.2	99.1	106.6	115.5	125.9
80°	61.1	61.1	61.1	63.3	65.6	65.6	69.3	76.8	83.5	89.4	99.1
82.5°	41.7	41.7	41.7	43.2	46.2	46.2	50.7	55.1	62.6	67.8	72.3
85°	25.3	25.3	24.6	26.1	26.8	29.1	32.8	35.8	39.5	44.0	48.4
87.5°	11.2	11.2	11.9	12.7	13.4	14.9	16.4	17.9	21.6	23.1	25.3
90°	5.7	6.2	6.6	7.4	8.1	8.9	9.7	10.3	10.9	11.4	12.0
92.5°	16.6	17.2	17.4	17.9	18.4	18.9	19.4	19.7	20.0	20.3	20.6
95°	30.0	30.4	30.7	31.4	32.1	32.8	33.5	33.8	34.1	34.4	34.7
97.5°	45.4	45.8	46.2	47.0	47.7	48.5	49.3	49.7	50.1	50.5	50.9
100°	63.2	63.4	63.8	64.7	65.6	66.5	67.4	67.6	67.8	68.0	68.2
102.5°	82.4	82.4	82.8	83.6	84.3	85.1	85.9	86.2	86.5	86.8	87.1
105°	103.1	103.1	103.3	103.7	104.1	104.5	104.9	105.2	105.5	105.8	106.1
107.5°	124.7	124.7	124.7	124.8	124.9	125.0	125.1	125.5	125.9	126.3	126.7
110°	147.1	147.2	147.1	147.0	146.9	146.8	146.7	146.5	146.3	146.1	145.9

TEST NUMBER: P1032734

CATALOG NUMBER: S124DIW-B575D470UB2750-4F0-XX-W2A-A1_5000K

CANDELA DISTRIBUTION (continued):

	200°	202.5°	205°	210°	215°	220°	225°	230°	235°	240°	245°
112.5°	169.2	169.2	169.1	168.9	168.7	168.5	168.3	168.3	168.3	168.3	168.3
115°	192.1	192.1	192.0	191.8	191.6	191.4	191.2	191.1	191.0	190.9	190.8
117.5°	213.7	213.7	213.7	213.6	213.5	213.4	213.3	213.0	212.7	212.4	212.1
120°	236.9	237.1	236.9	236.6	236.3	236.0	235.7	235.2	234.7	234.2	233.7
122.5°	258.2	258.2	258.2	258.1	258.0	257.9	257.8	257.5	257.2	256.9	256.6
125°	279.8	279.8	279.8	279.7	279.6	279.5	279.4	279.2	279.0	278.8	278.6
127.5°	300.8	300.9	300.8	300.6	300.5	300.3	300.1	299.9	299.7	299.5	299.3
130°	322.0	322.1	322.1	322.1	322.1	322.1	322.1	321.9	321.7	321.5	321.3
132.5°	343.1	343.2	343.2	343.1	343.0	342.9	342.8	342.6	342.4	342.2	342.0
135°	363.2	363.5	363.5	363.5	363.5	363.5	363.5	363.3	363.1	362.9	362.7
137.5°	382.8	382.9	383.0	383.2	383.4	383.6	383.8	383.5	383.2	382.9	382.6
140°	403.1	403.2	403.2	403.2	403.2	403.2	403.2	403.1	403.0	402.9	402.8
142.5°	422.0	422.1	422.1	422.0	421.9	421.8	421.7	421.7	421.7	421.7	421.7
145°	440.0	440.2	440.2	440.3	440.4	440.5	440.6	440.5	440.4	440.3	440.2
147.5°	458.0	458.2	458.2	458.1	458.0	457.9	457.8	457.7	457.6	457.5	457.4
150°	473.5	473.7	473.7	473.7	473.7	473.7	473.7	473.7	473.7	473.7	473.7
152.5°	487.7	487.8	487.8	487.9	488.0	488.1	488.2	488.5	488.8	489.1	489.4
155°	502.3	502.3	502.3	502.2	502.1	502.0	501.9	502.3	502.7	503.0	503.4
157.5°	514.7	514.6	514.6	514.6	514.6	514.6	514.6	514.9	515.2	515.5	515.8
160°	526.6	526.5	526.5	526.4	526.3	526.2	526.1	526.4	526.7	527.0	527.3
162.5°	536.4	536.2	536.2	536.1	536.0	535.9	535.8	536.4	537.0	537.5	538.1
165°	545.6	545.5	545.4	545.2	545.0	544.8	544.6	545.2	545.8	546.4	547.0
167.5°	552.7	552.5	552.5	552.5	552.5	552.5	552.5	553.1	553.7	554.3	554.9
170°	558.5	558.3	558.3	558.4	558.5	558.6	558.7	559.3	559.9	560.5	561.1
172.5°	563.3	563.1	563.1	563.1	563.1	563.1	563.1	563.8	564.5	565.2	565.9
175°	566.8	566.6	566.6	566.5	566.4	566.3	566.2	566.9	567.6	568.3	569.0
177.5°	568.6	568.4	568.4	568.4	568.4	568.4	568.4	569.1	569.8	570.5	571.2
180°	569.7	569.7	569.7	569.7	569.7	569.7	569.7	569.7	569.7	569.7	569.7

TEST NUMBER: P1032734

CATALOG NUMBER: S124DIW-B575D470UB2750-4F0-XX-W2A-A1_5000K

CANDELA DISTRIBUTION (continued):

	247.5°	250°	255°	260°	265°	270°	275°	280°	285°	290°	292.5°
0°	899.5	899.5	899.5	899.5	899.5	899.5	899.5	899.5	899.5	899.5	899.5
2.5°	848.8	848.0	844.3	845.8	841.3	842.8	845.1	845.8	848.8	846.6	845.8
5°	796.6	795.1	792.9	790.7	789.9	792.9	787.7	789.2	790.7	792.9	795.9
7.5°	754.1	753.4	751.2	747.4	745.9	744.5	745.2	750.4	749.7	748.9	754.1
10°	715.4	716.1	711.7	710.9	706.5	705.7	706.5	707.9	710.2	713.2	713.9
12.5°	675.2	684.8	676.6	673.7	667.0	670.7	672.2	665.5	669.2	671.4	682.6
15°	649.8	645.3	640.1	640.1	637.1	635.7	631.9	637.1	640.1	644.6	643.1
17.5°	614.8	607.3	604.4	601.4	602.1	605.1	596.9	608.8	608.8	611.1	607.3
20°	584.2	578.3	574.6	573.1	570.8	569.3	568.6	571.6	576.0	577.5	581.3
22.5°	552.2	552.2	546.2	544.0	542.5	540.3	544.0	541.8	544.7	547.7	553.7
25°	525.4	525.4	523.1	520.2	517.9	516.4	518.7	517.9	520.2	523.9	525.4
27.5°	503.8	501.5	500.8	500.0	499.3	500.0	499.3	501.5	503.8	504.5	503.0
30°	485.1	482.9	483.6	483.6	484.4	483.6	482.9	485.1	485.9	484.4	485.1
32.5°	468.0	468.0	469.5	470.2	470.2	471.0	471.7	470.2	471.0	468.7	469.5
35°	453.8	455.3	456.8	457.6	458.3	457.6	459.0	458.3	456.8	455.3	454.6
37.5°	439.7	441.2	444.1	444.9	447.1	447.9	446.4	446.4	445.6	442.7	441.2
40°	424.8	426.3	430.0	432.2	433.7	435.9	434.5	434.5	431.5	428.5	426.3
42.5°	410.6	413.6	417.3	419.6	422.5	422.5	422.5	421.0	417.3	414.3	412.1
45°	396.4	397.2	402.4	406.1	409.1	409.1	409.1	406.9	404.6	398.7	395.7
47.5°	380.8	383.0	389.0	392.7	395.7	396.4	396.4	394.2	389.7	384.5	380.8
50°	363.7	367.4	374.1	379.3	383.0	384.5	382.3	380.8	375.6	369.6	365.2
52.5°	347.3	351.7	359.9	364.4	369.6	370.4	369.6	367.4	361.4	353.2	349.5
55°	330.9	334.6	343.5	351.0	355.5	357.0	355.5	351.7	344.3	336.1	332.4
57.5°	313.0	318.2	327.9	335.3	340.6	341.3	339.8	336.1	330.1	319.7	314.5
60°	294.4	301.1	310.8	318.2	324.9	325.7	324.2	318.9	311.5	301.1	296.6
62.5°	275.7	280.9	292.1	300.3	305.5	309.3	306.3	301.1	293.6	283.2	276.5
65°	254.1	261.6	271.3	278.7	284.7	285.4	283.9	279.5	271.3	260.1	254.9
67.5°	233.2	238.5	248.2	257.8	260.1	262.3	260.1	255.6	248.9	239.2	231.8
70°	207.9	212.4	224.3	231.0	234.0	236.2	234.7	230.3	224.3	215.4	209.4
72.5°	182.6	186.3	197.5	202.7	208.7	207.9	207.2	204.2	196.0	190.0	186.3
75°	155.7	160.2	167.7	174.4	176.6	176.6	176.6	174.4	169.2	159.5	155.7
77.5°	131.2	133.4	139.4	143.1	145.3	146.1	145.3	141.6	138.6	131.9	129.7
80°	100.6	106.6	111.0	111.8	114.8	114.8	114.8	113.3	110.3	103.6	102.8
82.5°	76.0	77.5	82.0	84.2	85.7	85.0	85.0	82.0	81.2	77.5	76.0
85°	51.4	53.7	52.9	55.9	56.6	55.1	55.1	56.6	52.9	53.7	51.4
87.5°	28.3	28.3	29.8	29.1	32.0	32.0	30.6	31.3	29.8	29.1	28.3
90°	12.3	12.4	12.6	12.8	13.0	13.2	13.0	12.8	12.6	12.4	12.3
92.5°	20.7	20.7	20.8	20.9	21.0	21.1	21.0	20.9	20.8	20.7	20.7
95°	34.8	34.8	34.8	34.8	34.8	34.8	34.8	34.8	34.8	34.8	34.8
97.5°	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1
100°	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3
102.5°	87.2	87.3	87.4	87.5	87.6	87.7	87.6	87.5	87.4	87.3	87.2
105°	106.2	106.3	106.6	106.9	107.2	107.5	107.2	106.9	106.6	106.3	106.2
107.5°	126.9	126.9	126.8	126.7	126.6	126.5	126.6	126.7	126.8	126.9	126.9
110°	145.8	146.0	146.3	146.6	146.9	147.2	146.9	146.6	146.3	146.0	145.8



TEST NUMBER: P1032734

CATALOG NUMBER: S124DIW-B575D470UB2750-4F0-XX-W2A-A1_5000K

CANDELA DISTRIBUTION (continued):

	247.5°	250°	255°	260°	265°	270°	275°	280°	285°	290°	292.5°
112.5°	168.3	168.3	168.3	168.3	168.3	168.3	168.3	168.3	168.3	168.3	168.3
115°	190.8	190.7	190.6	190.5	190.4	190.3	190.4	190.5	190.6	190.7	190.8
117.5°	211.9	211.8	211.5	211.2	210.9	210.6	210.9	211.2	211.5	211.8	211.9
120°	233.5	233.6	233.8	234.0	234.2	234.4	234.2	234.0	233.8	233.6	233.5
122.5°	256.4	256.2	255.7	255.2	254.7	254.2	254.7	255.2	255.7	256.2	256.4
125°	278.5	278.4	278.2	278.0	277.8	277.6	277.8	278.0	278.2	278.4	278.5
127.5°	299.2	299.1	299.0	298.9	298.8	298.7	298.8	298.9	299.0	299.1	299.2
130°	321.2	321.0	320.6	320.3	319.9	319.5	319.9	320.3	320.6	321.0	321.2
132.5°	341.9	341.9	341.8	341.7	341.6	341.5	341.6	341.7	341.8	341.9	341.9
135°	362.6	362.5	362.2	361.9	361.6	361.3	361.6	361.9	362.2	362.5	362.6
137.5°	382.5	382.5	382.6	382.7	382.8	382.9	382.8	382.7	382.6	382.5	382.5
140°	402.7	402.7	402.6	402.5	402.4	402.3	402.4	402.5	402.6	402.7	402.7
142.5°	421.7	421.7	421.7	421.7	421.7	421.7	421.7	421.7	421.7	421.7	421.7
145°	440.2	440.1	439.8	439.5	439.2	438.9	439.2	439.5	439.8	440.1	440.2
147.5°	457.4	457.3	457.2	457.1	457.0	456.9	457.0	457.1	457.2	457.3	457.4
150°	473.7	473.6	473.5	473.4	473.3	473.2	473.3	473.4	473.5	473.6	473.7
152.5°	489.5	489.4	489.1	488.8	488.5	488.2	488.5	488.8	489.1	489.4	489.5
155°	503.6	503.4	503.0	502.7	502.3	501.9	502.3	502.7	503.0	503.4	503.6
157.5°	516.0	515.8	515.5	515.2	514.9	514.6	514.9	515.2	515.5	515.8	516.0
160°	527.4	527.2	526.7	526.2	525.7	525.2	525.7	526.2	526.7	527.2	527.4
162.5°	538.4	538.2	537.7	537.2	536.7	536.2	536.7	537.2	537.7	538.2	538.4
165°	547.3	547.1	546.7	546.3	545.9	545.5	545.9	546.3	546.7	547.1	547.3
167.5°	555.2	554.9	554.3	553.7	553.1	552.5	553.1	553.7	554.3	554.9	555.2
170°	561.4	561.1	560.4	559.7	559.0	558.3	559.0	559.7	560.4	561.1	561.4
172.5°	566.2	565.9	565.2	564.5	563.8	563.1	563.8	564.5	565.2	565.9	566.2
175°	569.3	569.0	568.3	567.6	566.9	566.2	566.9	567.6	568.3	569.0	569.3
177.5°	571.5	571.1	570.3	569.6	568.8	568.0	568.8	569.6	570.3	571.1	571.5
180°	569.7	569.7	569.7	569.7	569.7	569.7	569.7	569.7	569.7	569.7	569.7

TEST NUMBER: P1032734

CATALOG NUMBER: S124DIW-B575D470UB2750-4F0-XX-W2A-A1_5000K

CANDELA DISTRIBUTION (continued):

	295°	300°	305°	310°	315°	320°	325°	330°	335°	337.5°	340°
0°	899.5	899.5	899.5	899.5	899.5	899.5	899.5	899.5	899.5	899.5	899.5
2.5°	845.8	850.3	845.8	848.8	850.3	854.0	855.5	862.2	864.4	869.7	869.7
5°	795.1	797.4	798.1	801.1	804.1	811.5	816.7	826.4	837.6	839.1	845.8
7.5°	754.1	757.9	763.8	761.6	766.8	778.0	784.7	796.6	807.8	813.8	822.0
10°	717.6	722.1	724.3	726.6	736.3	745.9	756.4	764.6	779.5	788.4	795.1
12.5°	687.8	684.1	688.6	696.8	707.9	713.9	728.1	740.7	751.9	761.6	767.6
15°	649.1	652.1	656.5	670.7	673.7	688.6	693.8	707.9	728.8	737.8	745.2
17.5°	611.8	621.5	630.4	635.7	644.6	656.5	671.4	687.1	700.5	710.9	719.9
20°	582.0	591.7	596.9	600.6	609.6	626.0	640.1	659.5	676.6	684.8	696.8
22.5°	558.2	558.2	565.6	576.8	582.0	597.7	609.6	630.4	649.1	659.5	670.7
25°	528.3	532.8	538.8	548.5	555.9	568.6	585.7	603.6	623.7	632.7	646.8
27.5°	503.8	509.0	517.2	519.4	526.9	538.0	555.9	575.3	596.2	605.9	617.8
30°	485.1	488.1	491.1	495.6	502.3	512.0	526.9	544.0	569.3	576.8	591.7
32.5°	468.7	470.2	471.7	475.4	479.2	488.9	500.8	519.4	540.3	551.5	564.9
35°	453.8	452.3	453.1	455.3	459.0	462.8	475.4	491.1	510.5	523.9	534.3
37.5°	439.7	436.7	435.9	435.9	437.4	441.9	451.6	465.0	485.9	497.1	507.5
40°	424.0	421.0	419.6	418.8	418.1	421.0	428.5	441.9	458.3	468.7	480.7
42.5°	409.1	406.1	402.4	401.7	400.2	401.7	406.9	419.6	433.7	444.1	453.8
45°	394.2	389.0	384.5	381.5	382.3	380.1	383.8	393.5	409.9	416.6	426.3
47.5°	377.8	371.9	365.9	362.9	359.9	361.4	362.9	371.1	385.3	392.0	401.7
50°	362.2	354.0	347.3	343.5	341.3	339.8	341.3	349.5	359.9	365.9	374.1
52.5°	344.3	336.1	329.4	323.4	320.4	318.2	318.9	326.4	336.1	342.0	350.2
55°	327.9	317.5	308.5	301.1	298.8	298.1	297.3	302.6	310.8	316.7	323.4
57.5°	309.3	298.8	289.1	280.2	275.7	275.0	275.0	276.5	286.9	291.4	295.1
60°	290.6	279.5	269.0	260.8	254.1	251.9	251.1	254.1	259.3	263.8	269.0
62.5°	269.8	258.6	245.9	238.5	231.8	225.8	228.0	228.8	236.2	238.5	242.9
65°	249.6	237.0	226.5	214.6	207.2	203.4	202.0	203.4	209.4	210.1	213.1
67.5°	226.5	214.6	202.0	193.8	187.0	180.3	178.8	178.8	181.8	184.1	187.8
70°	204.2	192.3	178.1	169.2	162.5	156.5	154.3	153.5	155.7	157.2	161.0
72.5°	178.1	166.2	155.7	146.1	137.9	133.4	131.2	129.7	131.9	133.4	134.1
75°	150.5	140.8	130.4	120.7	115.5	111.0	108.1	105.8	107.3	107.3	107.3
77.5°	124.4	114.8	106.6	99.9	93.2	87.9	85.7	83.5	84.2	84.2	85.7
80°	96.9	90.2	83.5	77.5	71.5	67.1	65.6	63.3	61.9	61.1	61.1
82.5°	71.5	66.3	60.4	55.1	52.2	47.7	46.2	43.2	43.2	42.5	42.5
85°	47.7	44.7	38.8	35.0	32.8	30.6	29.1	27.6	25.3	25.3	24.6
87.5°	25.3	23.8	22.4	17.9	17.9	15.6	14.9	14.2	11.9	12.7	12.7
90°	12.0	11.4	10.9	10.3	9.7	8.9	8.1	7.4	6.6	6.2	5.7
92.5°	20.6	20.3	20.0	19.7	19.4	18.9	18.4	17.9	17.4	17.2	16.6
95°	34.7	34.4	34.1	33.8	33.5	32.8	32.1	31.4	30.7	30.4	30.0
97.5°	50.9	50.5	50.1	49.7	49.3	48.5	47.7	47.0	46.2	45.8	45.4
100°	68.2	68.0	67.8	67.6	67.4	66.5	65.6	64.7	63.8	63.4	63.2
102.5°	87.1	86.8	86.5	86.2	85.9	85.1	84.3	83.6	82.8	82.4	82.4
105°	106.1	105.8	105.5	105.2	104.9	104.5	104.1	103.7	103.3	103.1	103.1
107.5°	126.7	126.3	125.9	125.5	125.1	125.0	124.9	124.8	124.7	124.7	124.7
110°	145.9	146.1	146.3	146.5	146.7	146.8	146.9	147.0	147.1	147.2	147.1

TEST NUMBER: P1032734

CATALOG NUMBER: S124DIW-B575D470UB2750-4F0-XX-W2A-A1_5000K

CANDELA DISTRIBUTION (continued):

	295°	300°	305°	310°	315°	320°	325°	330°	335°	337.5°	340°
112.5°	168.3	168.3	168.3	168.3	168.3	168.5	168.7	168.9	169.1	169.2	169.2
115°	190.8	190.9	191.0	191.1	191.2	191.4	191.6	191.8	192.0	192.1	192.1
117.5°	212.1	212.4	212.7	213.0	213.3	213.4	213.5	213.6	213.7	213.7	213.7
120°	233.7	234.2	234.7	235.2	235.7	236.0	236.3	236.6	236.9	237.1	236.9
122.5°	256.6	256.9	257.2	257.5	257.8	257.9	258.0	258.1	258.2	258.2	258.2
125°	278.6	278.8	279.0	279.2	279.4	279.5	279.6	279.7	279.8	279.8	279.8
127.5°	299.3	299.5	299.7	299.9	300.1	300.3	300.5	300.6	300.8	300.9	300.8
130°	321.3	321.5	321.7	321.9	322.1	322.1	322.1	322.1	322.1	322.1	322.0
132.5°	342.0	342.2	342.4	342.6	342.8	342.9	343.0	343.1	343.2	343.2	343.1
135°	362.7	362.9	363.1	363.3	363.5	363.5	363.5	363.5	363.5	363.5	363.2
137.5°	382.6	382.9	383.2	383.5	383.8	383.6	383.4	383.2	383.0	382.9	382.8
140°	402.8	402.9	403.0	403.1	403.2	403.2	403.2	403.2	403.2	403.2	403.1
142.5°	421.7	421.7	421.7	421.7	421.7	421.8	421.9	422.0	422.1	422.1	422.0
145°	440.2	440.3	440.4	440.5	440.6	440.5	440.4	440.3	440.2	440.2	440.0
147.5°	457.4	457.5	457.6	457.7	457.8	457.9	458.0	458.1	458.2	458.2	458.0
150°	473.7	473.7	473.7	473.7	473.7	473.7	473.7	473.7	473.7	473.7	473.5
152.5°	489.4	489.1	488.8	488.5	488.2	488.1	488.0	487.9	487.8	487.8	487.7
155°	503.4	503.0	502.7	502.3	501.9	502.0	502.1	502.2	502.3	502.3	502.3
157.5°	515.8	515.5	515.2	514.9	514.6	514.6	514.6	514.6	514.6	514.6	514.7
160°	527.3	527.0	526.7	526.4	526.1	526.2	526.3	526.4	526.5	526.5	526.6
162.5°	538.1	537.5	537.0	536.4	535.8	535.9	536.0	536.1	536.2	536.2	536.4
165°	547.0	546.4	545.8	545.2	544.6	544.8	545.0	545.2	545.4	545.5	545.6
167.5°	554.9	554.3	553.7	553.1	552.5	552.5	552.5	552.5	552.5	552.5	552.7
170°	561.1	560.5	559.9	559.3	558.7	558.6	558.5	558.4	558.3	558.3	558.5
172.5°	565.9	565.2	564.5	563.8	563.1	563.1	563.1	563.1	563.1	563.1	563.3
175°	569.0	568.3	567.6	566.9	566.2	566.3	566.4	566.5	566.6	566.6	566.8
177.5°	571.2	570.5	569.8	569.1	568.4	568.4	568.4	568.4	568.4	568.4	568.6
180°	569.7	569.7	569.7	569.7	569.7	569.7	569.7	569.7	569.7	569.7	569.7

TEST NUMBER: P1032734

CATALOG NUMBER: S124DIW-B575D470UB2750-4F0-XX-W2A-A1_5000K

CANDELA DISTRIBUTION (continued):

	345°	350°	355°	360°
0°	899.5	899.5	899.5	899.5
2.5°	874.9	882.3	889.0	899.5
5°	855.5	865.9	880.1	895.7
7.5°	833.1	849.5	868.2	889.8
10°	812.3	830.9	854.7	880.8
12.5°	790.7	813.0	839.1	867.4
15°	766.1	788.4	817.5	855.5
17.5°	743.7	770.5	801.8	842.1
20°	717.6	743.0	777.2	823.5
22.5°	694.5	723.6	761.6	801.8
25°	669.2	694.5	732.5	781.0
27.5°	643.9	675.2	711.7	758.6
30°	619.3	645.3	684.8	734.0
32.5°	592.4	623.7	660.3	706.5
35°	563.4	593.2	627.5	677.4
37.5°	537.3	566.4	601.4	645.3
40°	508.2	538.8	570.8	614.8
42.5°	479.9	507.5	539.5	579.8
45°	452.3	476.2	505.2	540.3
47.5°	424.0	444.1	471.0	502.3
50°	393.5	415.1	435.2	461.3
52.5°	365.2	383.8	400.2	421.8
55°	337.6	350.2	363.7	380.1
57.5°	308.5	318.2	327.9	345.0
60°	279.5	288.4	293.6	304.8
62.5°	251.1	254.9	261.6	268.3
65°	219.8	225.1	228.8	237.0
67.5°	191.5	193.8	197.5	202.7
70°	161.7	166.9	168.4	172.1
72.5°	136.4	138.6	140.1	140.8
75°	108.1	110.3	111.8	116.3
77.5°	85.0	84.2	87.2	87.9
80°	62.6	60.4	61.1	64.1
82.5°	41.0	41.7	41.0	41.0
85°	25.3	24.6	23.1	23.8
87.5°	11.2	11.2	10.4	10.4
90°	4.6	3.5	2.4	1.3
92.5°	15.3	14.0	12.8	11.5
95°	29.1	28.2	27.3	26.4
97.5°	44.6	43.9	43.1	42.3
100°	62.8	62.5	62.1	61.7
102.5°	82.3	82.2	82.1	82.0
105°	103.0	102.9	102.8	102.7
107.5°	124.6	124.5	124.4	124.3
110°	146.9	146.7	146.5	146.3



TEST NUMBER: P1032734

CATALOG NUMBER: S124DIW-B575D470UB2750-4F0-XX-W2A-A1_5000K

CANDELA DISTRIBUTION (continued):

	345°	350°	355°	360°
112.5°	169.2	169.2	169.2	169.2
115°	192.1	192.1	192.1	192.1
117.5°	213.7	213.7	213.7	213.7
120°	236.5	236.1	235.7	235.3
122.5°	258.1	258.0	257.9	257.8
125°	279.8	279.8	279.8	279.8
127.5°	300.5	300.2	299.9	299.6
130°	321.7	321.4	321.1	320.8
132.5°	342.9	342.8	342.6	342.4
135°	362.6	362.1	361.5	360.9
137.5°	382.5	382.2	381.9	381.6
140°	402.9	402.7	402.5	402.3
142.5°	421.8	421.6	421.4	421.2
145°	439.6	439.2	438.8	438.4
147.5°	457.5	457.0	456.5	456.0
150°	473.1	472.7	472.3	471.9
152.5°	487.5	487.3	487.1	486.9
155°	502.3	502.3	502.3	502.3
157.5°	514.9	515.1	515.3	515.5
160°	526.7	526.8	526.9	527.0
162.5°	536.7	537.0	537.3	537.6
165°	545.9	546.2	546.5	546.8
167.5°	553.1	553.5	553.9	554.3
170°	559.0	559.5	560.0	560.5
172.5°	563.7	564.1	564.5	564.9
175°	567.3	567.8	568.3	568.8
177.5°	569.1	569.6	570.1	570.6
180°	569.7	569.7	569.7	569.7

(END OF REPORT)