

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: P1032753

Luminaire Tested: S124DIW-B575D770UB2750-4F0-XX-W2A-A_5000K

Issue Date: 5/7/2025

Test Information

Test Method: LM-79-2019
Report Number: P1032753
REPORT IS A COMBINATION OF REPORTS P997888 AND P1007351
Test Lab: INNOVATION CENTER
Issue Date: 5/7/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: NEO-RAY
Catalog Number: S124DIW-B575D770UB2750-4F0-XX-W2A-A_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

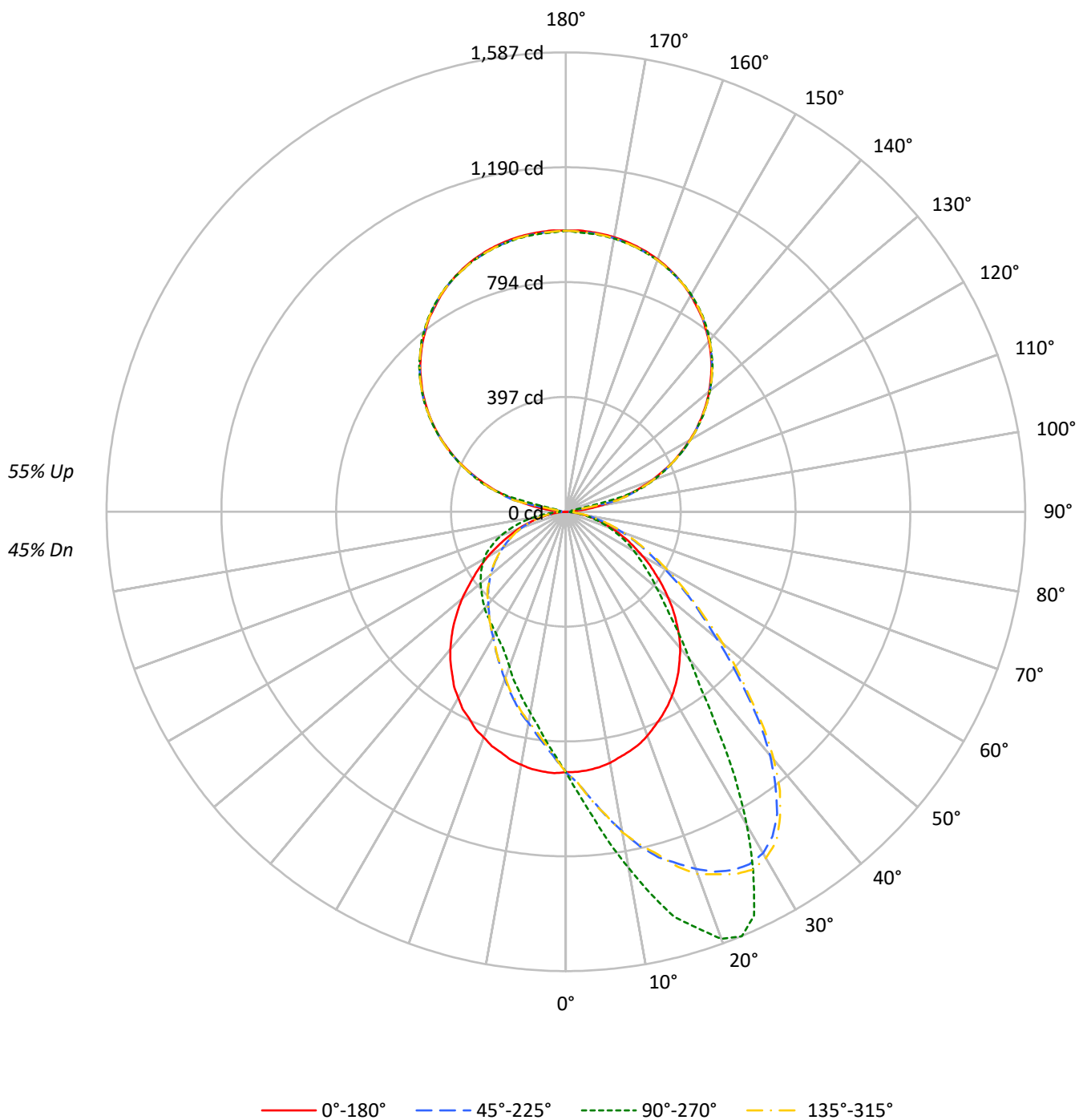
Lumens per Lamp: N/A
Luminaire Lumens: 5488.0 lumens
Efficiency: N/A
Efficacy: 116.3 lumens/watt
Spacing Criteria (0/90/45): 1.22 / 1.3 / 1.41
Luminous Opening: Rectangular w/ Sides (W: 0.33' x L: 4' x H: 0.1')
CIE Type: General Diffuse

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



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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20					20					20					20
RC	80				70					50					30					0
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	52	52	52	45		
1	97	93	89	85	89	85	82	79	71	69	67	58	56	55	46	45	44	39		
2	88	81	75	70	81	75	70	65	62	59	55	51	49	46	41	39	37	33		
3	81	72	64	59	74	66	60	55	55	51	47	45	42	39	36	34	32	28		
4	74	63	56	50	68	58	52	46	49	44	40	41	37	34	33	30	28	24		
5	68	57	49	43	62	52	45	40	44	39	35	37	33	29	29	27	24	21		
6	63	51	43	37	57	47	40	35	40	34	30	33	29	26	27	24	22	19		
7	58	46	38	33	53	42	36	31	36	31	27	30	26	23	24	21	19	17		
8	54	42	34	29	49	39	32	27	33	28	24	28	23	20	22	19	17	15		
9	50	38	31	26	46	35	29	24	30	25	21	25	21	18	21	18	16	13		
10	47	35	28	23	43	32	26	22	28	23	19	23	19	17	19	16	14	12		

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

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	87.5	1.6
10°-20°	270.2	4.9
20°-30°	429.2	7.8
30°-40°	477.0	8.7
40°-50°	433.7	7.9
50°-60°	354.5	6.5
60°-70°	253.0	4.6
70°-80°	139.2	2.5
80°-90°	39.6	0.7
90°-100°	32.2	0.6
100°-110°	212.2	3.9
110°-120°	405.3	7.4
120°-130°	514.5	9.4
130°-140°	550.4	10.0
140°-150°	514.6	9.4
150°-160°	415.0	7.6
160°-170°	267.6	4.9
170°-180°	92.2	1.7
0°-30°	787.0	14.3
0°-40°	1263.9	23.0
0°-60°	2052.1	37.4
0°-90°	2484.0	45.3
90°-120°	649.7	11.8
90°-150°	2229.1	40.6
90°-180°	3004.0	54.7
0°-180°	5488.0	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°	2	22	2	22	2	4
95°	40	21	40	21	40	49
105°	219	207	219	207	219	229
115°	408	411	408	411	408	402
125°	574	578	574	578	574	512
135°	712	717	712	717	712	548
145°	820	825	820	825	820	513
155°	900	899	900	899	900	415
165°	949	945	949	945	949	268
175°	971	965	971	965	971	92
180°	971	971	971	971	971	

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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°	2.2	4.0	5.8	7.5	9.3	10.2	10.8	12.1	13.4	14.7	16.0
92.5°	10.9	10.6	10.2	9.9	9.6	9.4	10.0	11.3	12.6	13.9	15.2
95°	39.9	34.4	28.9	23.4	17.9	15.2	15.3	15.5	15.6	15.8	16.0
97.5°	76.2	79.8	83.3	86.9	90.4	92.2	83.7	66.8	49.9	32.9	16.0
100°	119.1	122.0	124.9	127.8	130.7	132.2	121.1	98.8	76.5	54.2	31.9
102.5°	167.0	168.9	170.9	172.8	174.7	175.7	176.7	178.6	180.5	182.5	184.4
105°	218.6	219.6	220.5	221.5	222.4	222.9	223.3	224.1	224.9	225.7	226.5
107.5°	265.8	266.3	266.7	267.2	267.7	267.9	268.5	269.6	270.7	271.9	273.0
110°	313.7	314.2	314.7	315.2	315.7	315.9	316.4	317.3	318.3	319.2	320.2

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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
112.5°	360.1	361.1	362.1	363.0	364.0	364.5	364.7	365.0	365.3	365.7	366.0
115°	408.1	408.6	409.0	409.5	410.0	410.2	410.1	410.0	409.8	409.7	409.5
117.5°	450.9	451.5	452.2	452.8	453.5	453.8	454.0	454.5	455.0	455.5	456.0
120°	494.5	495.1	495.8	496.4	497.1	497.4	497.3	497.2	497.0	496.9	496.7
122.5°	535.1	535.4	535.8	536.1	536.4	536.6	536.8	537.1	537.4	537.7	538.0
125°	573.6	574.2	574.9	575.5	576.2	576.5	576.3	576.0	575.7	575.4	575.1
127.5°	610.7	610.9	611.0	611.2	611.3	611.4	611.8	612.6	613.4	614.2	615.0
130°	646.2	646.4	646.6	646.7	646.9	647.0	647.2	647.7	648.2	648.6	649.1
132.5°	678.9	679.2	679.6	679.9	680.2	680.4	680.7	681.4	682.0	682.7	683.3
135°	711.6	711.4	711.3	711.1	711.0	710.9	711.2	711.9	712.5	713.2	713.8
137.5°	740.6	740.6	740.6	740.6	740.6	740.6	741.0	741.8	742.7	743.5	744.3
140°	768.9	769.2	769.6	769.9	770.2	770.4	770.6	770.9	771.2	771.5	771.8
142.5°	794.4	795.0	795.7	796.3	797.0	797.3	797.4	797.5	797.7	797.8	798.0
145°	820.5	821.0	821.5	822.0	822.5	822.7	822.7	822.7	822.7	822.7	822.7
147.5°	840.8	841.8	842.8	843.7	844.7	845.2	845.1	845.0	844.8	844.7	844.5
150°	863.3	863.9	864.6	865.2	865.9	866.2	866.1	866.0	865.8	865.7	865.5
152.5°	882.2	882.7	883.2	883.7	884.2	884.4	884.2	883.9	883.6	883.2	882.9
155°	899.6	899.8	900.0	900.1	900.3	900.4	900.2	899.7	899.2	898.7	898.2
157.5°	914.9	914.9	914.9	914.9	914.9	914.9	914.6	913.9	913.3	912.6	912.0
160°	928.0	927.5	927.0	926.5	926.0	925.8	925.7	925.6	925.4	925.3	925.1
162.5°	939.6	939.0	938.3	937.7	937.0	936.7	936.6	936.4	936.3	936.1	935.9
165°	949.0	948.2	947.4	946.6	945.8	945.4	945.4	945.4	945.4	945.4	945.4
167.5°	957.0	956.2	955.4	954.6	953.8	953.4	953.3	953.1	953.0	952.8	952.6
170°	963.5	962.5	961.6	960.6	959.7	959.2	959.3	959.4	959.6	959.7	959.9
172.5°	967.9	966.9	965.9	965.0	964.0	963.5	963.6	963.8	963.9	964.1	964.3
175°	970.8	969.8	968.8	967.9	966.9	966.4	966.5	966.7	966.8	967.0	967.2
177.5°	973.0	971.9	970.7	969.6	968.5	967.9	968.1	968.4	968.7	969.0	969.3
180°	970.8	970.8	970.8	970.8	970.8	970.8	970.8	970.8	970.8	970.8	970.8

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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°	17.0	17.9	18.9	19.8	20.3	20.5	20.8	21.1	21.5	21.8	21.5
92.5°	16.2	17.2	18.1	19.1	19.6	19.6	19.6	19.6	19.6	19.6	19.6
95°	17.0	17.9	18.9	19.8	20.3	20.4	20.6	20.7	20.9	21.1	20.9
97.5°	16.8	17.6	18.4	19.2	19.6	19.7	19.8	20.0	20.1	20.3	20.1
100°	29.2	26.4	23.7	21.0	19.6	19.7	19.8	20.0	20.1	20.3	20.1
102.5°	148.1	111.8	75.5	39.2	21.1	21.1	21.1	21.1	21.1	21.1	21.1
105°	228.0	229.4	230.9	232.4	233.1	230.2	224.4	218.5	212.7	206.9	212.7
107.5°	273.8	274.6	275.4	276.2	276.6	276.9	277.6	278.2	278.9	279.5	278.9
110°	320.5	320.9	321.2	321.5	321.7	321.9	322.4	322.9	323.3	323.8	323.3

TEST NUMBER: P1032753

CATALOG NUMBER: S124DIW-B575D770UB2750-4F0-XX-W2A-A_5000K

CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°	95°
112.5°	365.8	365.6	365.5	365.3	365.2	365.5	366.2	366.8	367.5	368.1	367.5
115°	409.8	410.2	410.5	410.8	411.0	411.0	411.0	411.0	411.0	411.0	411.0
117.5°	455.8	455.7	455.5	455.4	455.3	455.3	455.3	455.3	455.3	455.3	455.3
120°	497.0	497.3	497.6	497.9	498.1	497.9	497.6	497.3	497.0	496.7	497.0
122.5°	538.2	538.4	538.5	538.7	538.8	538.6	538.3	538.0	537.6	537.3	537.6
125°	575.6	576.1	576.6	577.1	577.3	577.4	577.5	577.7	577.8	578.0	577.8
127.5°	614.8	614.7	614.5	614.4	614.3	614.2	614.1	613.9	613.8	613.6	613.8
130°	649.3	649.5	649.6	649.8	649.9	649.9	649.9	649.9	649.9	649.9	649.9
132.5°	683.5	683.6	683.8	683.9	684.0	683.9	683.8	683.6	683.5	683.3	683.5
135°	714.1	714.4	714.7	715.0	715.2	715.4	715.7	716.0	716.4	716.7	716.4
137.5°	744.6	744.9	745.2	745.5	745.7	745.6	745.5	745.3	745.2	745.0	745.2
140°	772.3	772.8	773.3	773.8	774.0	774.1	774.3	774.4	774.6	774.8	774.6
142.5°	798.3	798.6	798.9	799.2	799.4	799.4	799.4	799.4	799.4	799.4	799.4
145°	822.9	823.0	823.2	823.3	823.4	823.6	823.9	824.2	824.6	824.9	824.6
147.5°	844.7	844.8	845.0	845.1	845.2	845.3	845.4	845.6	845.7	845.9	845.7
150°	865.5	865.5	865.5	865.5	865.5	865.6	865.7	865.9	866.0	866.2	866.0
152.5°	883.2	883.6	883.9	884.2	884.4	884.3	884.2	884.0	883.9	883.7	883.9
155°	898.8	899.5	900.1	900.8	901.1	900.9	900.4	899.9	899.4	898.9	899.4
157.5°	912.8	913.6	914.4	915.2	915.6	915.2	914.4	913.6	912.8	912.0	912.8
160°	926.1	927.0	928.0	928.9	929.4	928.9	928.0	927.0	926.1	925.1	926.1
162.5°	936.9	937.9	938.8	939.8	940.3	939.7	938.6	937.5	936.3	935.2	936.3
165°	946.7	948.0	949.3	950.6	951.2	950.5	949.0	947.6	946.1	944.7	946.1
167.5°	954.1	955.5	957.0	958.5	959.2	958.4	956.8	955.1	953.5	951.9	953.5
170°	961.2	962.5	963.8	965.1	965.7	964.9	963.3	961.7	960.1	958.5	960.1
172.5°	965.6	966.9	968.2	969.5	970.1	969.2	967.4	965.7	963.9	962.1	963.9
175°	968.6	970.1	971.5	973.0	973.7	972.7	970.8	968.9	966.9	965.0	966.9
177.5°	970.6	971.9	973.2	974.5	975.2	974.2	972.3	970.3	968.4	966.4	968.4
180°	970.8	970.8	970.8	970.8	970.8	970.8	970.8	970.8	970.8	970.8	970.8

TEST NUMBER: P1032753

CATALOG NUMBER: S124DIW-B575D770UB2750-4F0-XX-W2A-A_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°	21.1	20.8	20.5	20.3	19.8	18.9	17.9	17.0	16.0	14.7	13.4
92.5°	19.6	19.6	19.6	19.6	19.1	18.1	17.2	16.2	15.2	13.9	12.6
95°	20.7	20.6	20.4	20.3	19.8	18.9	17.9	17.0	16.0	15.8	15.6
97.5°	20.0	19.8	19.7	19.6	19.2	18.4	17.6	16.8	16.0	32.9	49.9
100°	20.0	19.8	19.7	19.6	21.0	23.7	26.4	29.2	31.9	54.2	76.5
102.5°	21.1	21.1	21.1	21.1	39.2	75.5	111.8	148.1	184.4	182.5	180.5
105°	218.5	224.4	230.2	233.1	232.4	230.9	229.4	228.0	226.5	225.7	224.9
107.5°	278.2	277.6	276.9	276.6	276.2	275.4	274.6	273.8	273.0	271.9	270.7
110°	322.9	322.4	321.9	321.7	321.5	321.2	320.9	320.5	320.2	319.2	318.3

TEST NUMBER: P1032753

CATALOG NUMBER: S124DIW-B575D770UB2750-4F0-XX-W2A-A_5000K

CANDELA DISTRIBUTION (continued):

	100°	105°	110°	112.5°	115°	120°	125°	130°	135°	140°	145°
112.5°	366.8	366.2	365.5	365.2	365.3	365.5	365.6	365.8	366.0	365.7	365.3
115°	411.0	411.0	411.0	411.0	410.8	410.5	410.2	409.8	409.5	409.7	409.8
117.5°	455.3	455.3	455.3	455.3	455.4	455.5	455.7	455.8	456.0	455.5	455.0
120°	497.3	497.6	497.9	498.1	497.9	497.6	497.3	497.0	496.7	496.9	497.0
122.5°	538.0	538.3	538.6	538.8	538.7	538.5	538.4	538.2	538.0	537.7	537.4
125°	577.7	577.5	577.4	577.3	577.1	576.6	576.1	575.6	575.1	575.4	575.7
127.5°	613.9	614.1	614.2	614.3	614.4	614.5	614.7	614.8	615.0	614.2	613.4
130°	649.9	649.9	649.9	649.9	649.8	649.6	649.5	649.3	649.1	648.6	648.2
132.5°	683.6	683.8	683.9	684.0	683.9	683.8	683.6	683.5	683.3	682.7	682.0
135°	716.0	715.7	715.4	715.2	715.0	714.7	714.4	714.1	713.8	713.2	712.5
137.5°	745.3	745.5	745.6	745.7	745.5	745.2	744.9	744.6	744.3	743.5	742.7
140°	774.4	774.3	774.1	774.0	773.8	773.3	772.8	772.3	771.8	771.5	771.2
142.5°	799.4	799.4	799.4	799.4	799.2	798.9	798.6	798.3	798.0	797.8	797.7
145°	824.2	823.9	823.6	823.4	823.3	823.2	823.0	822.9	822.7	822.7	822.7
147.5°	845.6	845.4	845.3	845.2	845.1	845.0	844.8	844.7	844.5	844.7	844.8
150°	865.9	865.7	865.6	865.5	865.5	865.5	865.5	865.5	865.5	865.7	865.8
152.5°	884.0	884.2	884.3	884.4	884.2	883.9	883.6	883.2	882.9	883.2	883.6
155°	899.9	900.4	900.9	901.1	900.8	900.1	899.5	898.8	898.2	898.7	899.2
157.5°	913.6	914.4	915.2	915.6	915.2	914.4	913.6	912.8	912.0	912.6	913.3
160°	927.0	928.0	928.9	929.4	928.9	928.0	927.0	926.1	925.1	925.3	925.4
162.5°	937.5	938.6	939.7	940.3	939.8	938.8	937.9	936.9	935.9	936.1	936.3
165°	947.6	949.0	950.5	951.2	950.6	949.3	948.0	946.7	945.4	945.4	945.4
167.5°	955.1	956.8	958.4	959.2	958.5	957.0	955.5	954.1	952.6	952.8	953.0
170°	961.7	963.3	964.9	965.7	965.1	963.8	962.5	961.2	959.9	959.7	959.6
172.5°	965.7	967.4	969.2	970.1	969.5	968.2	966.9	965.6	964.3	964.1	963.9
175°	968.9	970.8	972.7	973.7	973.0	971.5	970.1	968.6	967.2	967.0	966.8
177.5°	970.3	972.3	974.2	975.2	974.5	973.2	971.9	970.6	969.3	969.0	968.7
180°	970.8	970.8	970.8	970.8	970.8	970.8	970.8	970.8	970.8	970.8	970.8

TEST NUMBER: P1032753

CATALOG NUMBER: S124DIW-B575D770UB2750-4F0-XX-W2A-A_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°	12.1	10.8	10.2	9.3	7.5	5.8	4.0	2.2	4.0	5.8	7.5
92.5°	11.3	10.0	9.4	9.6	9.9	10.2	10.6	10.9	10.6	10.2	9.9
95°	15.5	15.3	15.2	17.9	23.4	28.9	34.4	39.9	34.4	28.9	23.4
97.5°	66.8	83.7	92.2	90.4	86.9	83.3	79.8	76.2	79.8	83.3	86.9
100°	98.8	121.1	132.2	130.7	127.8	124.9	122.0	119.1	122.0	124.9	127.8
102.5°	178.6	176.7	175.7	174.7	172.8	170.9	168.9	167.0	168.9	170.9	172.8
105°	224.1	223.3	222.9	222.4	221.5	220.5	219.6	218.6	219.6	220.5	221.5
107.5°	269.6	268.5	267.9	267.7	267.2	266.7	266.3	265.8	266.3	266.7	267.2
110°	317.3	316.4	315.9	315.7	315.2	314.7	314.2	313.7	314.2	314.7	315.2

TEST NUMBER: P1032753

CATALOG NUMBER: S124DIW-B575D770UB2750-4F0-XX-W2A-A_5000K

CANDELA DISTRIBUTION (continued):

	150°	155°	157.5°	160°	165°	170°	175°	180°	185°	190°	195°
112.5°	365.0	364.7	364.5	364.0	363.0	362.1	361.1	360.1	361.1	362.1	363.0
115°	410.0	410.1	410.2	410.0	409.5	409.0	408.6	408.1	408.6	409.0	409.5
117.5°	454.5	454.0	453.8	453.5	452.8	452.2	451.5	450.9	451.5	452.2	452.8
120°	497.2	497.3	497.4	497.1	496.4	495.8	495.1	494.5	495.1	495.8	496.4
122.5°	537.1	536.8	536.6	536.4	536.1	535.8	535.4	535.1	535.4	535.8	536.1
125°	576.0	576.3	576.5	576.2	575.5	574.9	574.2	573.6	574.2	574.9	575.5
127.5°	612.6	611.8	611.4	611.3	611.2	611.0	610.9	610.7	610.9	611.0	611.2
130°	647.7	647.2	647.0	646.9	646.7	646.6	646.4	646.2	646.4	646.6	646.7
132.5°	681.4	680.7	680.4	680.2	679.9	679.6	679.2	678.9	679.2	679.6	679.9
135°	711.9	711.2	710.9	711.0	711.1	711.3	711.4	711.6	711.4	711.3	711.1
137.5°	741.8	741.0	740.6	740.6	740.6	740.6	740.6	740.6	740.6	740.6	740.6
140°	770.9	770.6	770.4	770.2	769.9	769.6	769.2	768.9	769.2	769.6	769.9
142.5°	797.5	797.4	797.3	797.0	796.3	795.7	795.0	794.4	795.0	795.7	796.3
145°	822.7	822.7	822.7	822.5	822.0	821.5	821.0	820.5	821.0	821.5	822.0
147.5°	845.0	845.1	845.2	844.7	843.7	842.8	841.8	840.8	841.8	842.8	843.7
150°	866.0	866.1	866.2	865.9	865.2	864.6	863.9	863.3	863.9	864.6	865.2
152.5°	883.9	884.2	884.4	884.2	883.7	883.2	882.7	882.2	882.7	883.2	883.7
155°	899.7	900.2	900.4	900.3	900.1	900.0	899.8	899.6	899.8	900.0	900.1
157.5°	913.9	914.6	914.9	914.9	914.9	914.9	914.9	914.9	914.9	914.9	914.9
160°	925.6	925.7	925.8	926.0	926.5	927.0	927.5	928.0	927.5	927.0	926.5
162.5°	936.4	936.6	936.7	937.0	937.7	938.3	939.0	939.6	939.0	938.3	937.7
165°	945.4	945.4	945.4	945.8	946.6	947.4	948.2	949.0	948.2	947.4	946.6
167.5°	953.1	953.3	953.4	953.8	954.6	955.4	956.2	957.0	956.2	955.4	954.6
170°	959.4	959.3	959.2	959.7	960.6	961.6	962.5	963.5	962.5	961.6	960.6
172.5°	963.8	963.6	963.5	964.0	965.0	965.9	966.9	967.9	966.9	965.9	965.0
175°	966.7	966.5	966.4	966.9	967.9	968.8	969.8	970.8	969.8	968.8	967.9
177.5°	968.4	968.1	967.9	968.5	969.6	970.7	971.9	973.0	971.9	970.7	969.6
180°	970.8	970.8	970.8	970.8	970.8	970.8	970.8	970.8	970.8	970.8	970.8

TEST NUMBER: P1032753

CATALOG NUMBER: S124DIW-B575D770UB2750-4F0-XX-W2A-A_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°	9.3	10.2	10.8	12.1	13.4	14.7	16.0	17.0	17.9	18.9	19.8
92.5°	9.6	9.4	10.0	11.3	12.6	13.9	15.2	16.2	17.2	18.1	19.1
95°	17.9	15.2	15.3	15.5	15.6	15.8	16.0	17.0	17.9	18.9	19.8
97.5°	90.4	92.2	83.7	66.8	49.9	32.9	16.0	16.8	17.6	18.4	19.2
100°	130.7	132.2	121.1	98.8	76.5	54.2	31.9	29.2	26.4	23.7	21.0
102.5°	174.7	175.7	176.7	178.6	180.5	182.5	184.4	148.1	111.8	75.5	39.2
105°	222.4	222.9	223.3	224.1	224.9	225.7	226.5	228.0	229.4	230.9	232.4
107.5°	267.7	267.9	268.5	269.6	270.7	271.9	273.0	273.8	274.6	275.4	276.2
110°	315.7	315.9	316.4	317.3	318.3	319.2	320.2	320.5	320.9	321.2	321.5

TEST NUMBER: P1032753

CATALOG NUMBER: S124DIW-B575D770UB2750-4F0-XX-W2A-A_5000K

CANDELA DISTRIBUTION (continued):

	200°	202.5°	205°	210°	215°	220°	225°	230°	235°	240°	245°
112.5°	364.0	364.5	364.7	365.0	365.3	365.7	366.0	365.8	365.6	365.5	365.3
115°	410.0	410.2	410.1	410.0	409.8	409.7	409.5	409.8	410.2	410.5	410.8
117.5°	453.5	453.8	454.0	454.5	455.0	455.5	456.0	455.8	455.7	455.5	455.4
120°	497.1	497.4	497.3	497.2	497.0	496.9	496.7	497.0	497.3	497.6	497.9
122.5°	536.4	536.6	536.8	537.1	537.4	537.7	538.0	538.2	538.4	538.5	538.7
125°	576.2	576.5	576.3	576.0	575.7	575.4	575.1	575.6	576.1	576.6	577.1
127.5°	611.3	611.4	611.8	612.6	613.4	614.2	615.0	614.8	614.7	614.5	614.4
130°	646.9	647.0	647.2	647.7	648.2	648.6	649.1	649.3	649.5	649.6	649.8
132.5°	680.2	680.4	680.7	681.4	682.0	682.7	683.3	683.5	683.6	683.8	683.9
135°	711.0	710.9	711.2	711.9	712.5	713.2	713.8	714.1	714.4	714.7	715.0
137.5°	740.6	740.6	741.0	741.8	742.7	743.5	744.3	744.6	744.9	745.2	745.5
140°	770.2	770.4	770.6	770.9	771.2	771.5	771.8	772.3	772.8	773.3	773.8
142.5°	797.0	797.3	797.4	797.5	797.7	797.8	798.0	798.3	798.6	798.9	799.2
145°	822.5	822.7	822.7	822.7	822.7	822.7	822.7	822.9	823.0	823.2	823.3
147.5°	844.7	845.2	845.1	845.0	844.8	844.7	844.5	844.7	844.8	845.0	845.1
150°	865.9	866.2	866.1	866.0	865.8	865.7	865.5	865.5	865.5	865.5	865.5
152.5°	884.2	884.4	884.2	883.9	883.6	883.2	882.9	883.2	883.6	883.9	884.2
155°	900.3	900.4	900.2	899.7	899.2	898.7	898.2	898.8	899.5	900.1	900.8
157.5°	914.9	914.9	914.6	913.9	913.3	912.6	912.0	912.8	913.6	914.4	915.2
160°	926.0	925.8	925.7	925.6	925.4	925.3	925.1	926.1	927.0	928.0	928.9
162.5°	937.0	936.7	936.6	936.4	936.3	936.1	935.9	936.9	937.9	938.8	939.8
165°	945.8	945.4	945.4	945.4	945.4	945.4	945.4	946.7	948.0	949.3	950.6
167.5°	953.8	953.4	953.3	953.1	953.0	952.8	952.6	954.1	955.5	957.0	958.5
170°	959.7	959.2	959.3	959.4	959.6	959.7	959.9	961.2	962.5	963.8	965.1
172.5°	964.0	963.5	963.6	963.8	963.9	964.1	964.3	965.6	966.9	968.2	969.5
175°	966.9	966.4	966.5	966.7	966.8	967.0	967.2	968.6	970.1	971.5	973.0
177.5°	968.5	967.9	968.1	968.4	968.7	969.0	969.3	970.6	971.9	973.2	974.5
180°	970.8	970.8	970.8	970.8	970.8	970.8	970.8	970.8	970.8	970.8	970.8

TEST NUMBER: P1032753

CATALOG NUMBER: S124DIW-B575D770UB2750-4F0-XX-W2A-A_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°	20.3	20.5	20.8	21.1	21.5	21.8	21.5	21.1	20.8	20.5	20.3
92.5°	19.6	19.6	19.6	19.6	19.6	19.6	19.6	19.6	19.6	19.6	19.6
95°	20.3	20.4	20.6	20.7	20.9	21.1	20.9	20.7	20.6	20.4	20.3
97.5°	19.6	19.7	19.8	20.0	20.1	20.3	20.1	20.0	19.8	19.7	19.6
100°	19.6	19.7	19.8	20.0	20.1	20.3	20.1	20.0	19.8	19.7	19.6
102.5°	21.1	21.1	21.1	21.1	21.1	21.1	21.1	21.1	21.1	21.1	21.1
105°	233.1	230.2	224.4	218.5	212.7	206.9	212.7	218.5	224.4	230.2	233.1
107.5°	276.6	276.9	277.6	278.2	278.9	279.5	278.9	278.2	277.6	276.9	276.6
110°	321.7	321.9	322.4	322.9	323.3	323.8	323.3	322.9	322.4	321.9	321.7

TEST NUMBER: P1032753

CATALOG NUMBER: S124DIW-B575D770UB2750-4F0-XX-W2A-A_5000K

CANDELA DISTRIBUTION (continued):

	247.5°	250°	255°	260°	265°	270°	275°	280°	285°	290°	292.5°
112.5°	365.2	365.5	366.2	366.8	367.5	368.1	367.5	366.8	366.2	365.5	365.2
115°	411.0	411.0	411.0	411.0	411.0	411.0	411.0	411.0	411.0	411.0	411.0
117.5°	455.3	455.3	455.3	455.3	455.3	455.3	455.3	455.3	455.3	455.3	455.3
120°	498.1	497.9	497.6	497.3	497.0	496.7	497.0	497.3	497.6	497.9	498.1
122.5°	538.8	538.6	538.3	538.0	537.6	537.3	537.6	538.0	538.3	538.6	538.8
125°	577.3	577.4	577.5	577.7	577.8	578.0	577.8	577.7	577.5	577.4	577.3
127.5°	614.3	614.2	614.1	613.9	613.8	613.6	613.8	613.9	614.1	614.2	614.3
130°	649.9	649.9	649.9	649.9	649.9	649.9	649.9	649.9	649.9	649.9	649.9
132.5°	684.0	683.9	683.8	683.6	683.5	683.3	683.5	683.6	683.8	683.9	684.0
135°	715.2	715.4	715.7	716.0	716.4	716.7	716.4	716.0	715.7	715.4	715.2
137.5°	745.7	745.6	745.5	745.3	745.2	745.0	745.2	745.3	745.5	745.6	745.7
140°	774.0	774.1	774.3	774.4	774.6	774.8	774.6	774.4	774.3	774.1	774.0
142.5°	799.4	799.4	799.4	799.4	799.4	799.4	799.4	799.4	799.4	799.4	799.4
145°	823.4	823.6	823.9	824.2	824.6	824.9	824.6	824.2	823.9	823.6	823.4
147.5°	845.2	845.3	845.4	845.6	845.7	845.9	845.7	845.6	845.4	845.3	845.2
150°	865.5	865.6	865.7	865.9	866.0	866.2	866.0	865.9	865.7	865.6	865.5
152.5°	884.4	884.3	884.2	884.0	883.9	883.7	883.9	884.0	884.2	884.3	884.4
155°	901.1	900.9	900.4	899.9	899.4	898.9	899.4	899.9	900.4	900.9	901.1
157.5°	915.6	915.2	914.4	913.6	912.8	912.0	912.8	913.6	914.4	915.2	915.6
160°	929.4	928.9	928.0	927.0	926.1	925.1	926.1	927.0	928.0	928.9	929.4
162.5°	940.3	939.7	938.6	937.5	936.3	935.2	936.3	937.5	938.6	939.7	940.3
165°	951.2	950.5	949.0	947.6	946.1	944.7	946.1	947.6	949.0	950.5	951.2
167.5°	959.2	958.4	956.8	955.1	953.5	951.9	953.5	955.1	956.8	958.4	959.2
170°	965.7	964.9	963.3	961.7	960.1	958.5	960.1	961.7	963.3	964.9	965.7
172.5°	970.1	969.2	967.4	965.7	963.9	962.1	963.9	965.7	967.4	969.2	970.1
175°	973.7	972.7	970.8	968.9	966.9	965.0	966.9	968.9	970.8	972.7	973.7
177.5°	975.2	974.2	972.3	970.3	968.4	966.4	968.4	970.3	972.3	974.2	975.2
180°	970.8	970.8	970.8	970.8	970.8	970.8	970.8	970.8	970.8	970.8	970.8

TEST NUMBER: P1032753

CATALOG NUMBER: S124DIW-B575D770UB2750-4F0-XX-W2A-A_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°	19.8	18.9	17.9	17.0	16.0	14.7	13.4	12.1	10.8	10.2	9.3
92.5°	19.1	18.1	17.2	16.2	15.2	13.9	12.6	11.3	10.0	9.4	9.6
95°	19.8	18.9	17.9	17.0	16.0	15.8	15.6	15.5	15.3	15.2	17.9
97.5°	19.2	18.4	17.6	16.8	16.0	32.9	49.9	66.8	83.7	92.2	90.4
100°	21.0	23.7	26.4	29.2	31.9	54.2	76.5	98.8	121.1	132.2	130.7
102.5°	39.2	75.5	111.8	148.1	184.4	182.5	180.5	178.6	176.7	175.7	174.7
105°	232.4	230.9	229.4	228.0	226.5	225.7	224.9	224.1	223.3	222.9	222.4
107.5°	276.2	275.4	274.6	273.8	273.0	271.9	270.7	269.6	268.5	267.9	267.7
110°	321.5	321.2	320.9	320.5	320.2	319.2	318.3	317.3	316.4	315.9	315.7

TEST NUMBER: P1032753

CATALOG NUMBER: S124DIW-B575D770UB2750-4F0-XX-W2A-A_5000K

CANDELA DISTRIBUTION (continued):

	295°	300°	305°	310°	315°	320°	325°	330°	335°	337.5°	340°
112.5°	365.3	365.5	365.6	365.8	366.0	365.7	365.3	365.0	364.7	364.5	364.0
115°	410.8	410.5	410.2	409.8	409.5	409.7	409.8	410.0	410.1	410.2	410.0
117.5°	455.4	455.5	455.7	455.8	456.0	455.5	455.0	454.5	454.0	453.8	453.5
120°	497.9	497.6	497.3	497.0	496.7	496.9	497.0	497.2	497.3	497.4	497.1
122.5°	538.7	538.5	538.4	538.2	538.0	537.7	537.4	537.1	536.8	536.6	536.4
125°	577.1	576.6	576.1	575.6	575.1	575.4	575.7	576.0	576.3	576.5	576.2
127.5°	614.4	614.5	614.7	614.8	615.0	614.2	613.4	612.6	611.8	611.4	611.3
130°	649.8	649.6	649.5	649.3	649.1	648.6	648.2	647.7	647.2	647.0	646.9
132.5°	683.9	683.8	683.6	683.5	683.3	682.7	682.0	681.4	680.7	680.4	680.2
135°	715.0	714.7	714.4	714.1	713.8	713.2	712.5	711.9	711.2	710.9	711.0
137.5°	745.5	745.2	744.9	744.6	744.3	743.5	742.7	741.8	741.0	740.6	740.6
140°	773.8	773.3	772.8	772.3	771.8	771.5	771.2	770.9	770.6	770.4	770.2
142.5°	799.2	798.9	798.6	798.3	798.0	797.8	797.7	797.5	797.4	797.3	797.0
145°	823.3	823.2	823.0	822.9	822.7	822.7	822.7	822.7	822.7	822.7	822.5
147.5°	845.1	845.0	844.8	844.7	844.5	844.7	844.8	845.0	845.1	845.2	844.7
150°	865.5	865.5	865.5	865.5	865.5	865.7	865.8	866.0	866.1	866.2	865.9
152.5°	884.2	883.9	883.6	883.2	882.9	883.2	883.6	883.9	884.2	884.4	884.2
155°	900.8	900.1	899.5	898.8	898.2	898.7	899.2	899.7	900.2	900.4	900.3
157.5°	915.2	914.4	913.6	912.8	912.0	912.6	913.3	913.9	914.6	914.9	914.9
160°	928.9	928.0	927.0	926.1	925.1	925.3	925.4	925.6	925.7	925.8	926.0
162.5°	939.8	938.8	937.9	936.9	935.9	936.1	936.3	936.4	936.6	936.7	937.0
165°	950.6	949.3	948.0	946.7	945.4	945.4	945.4	945.4	945.4	945.4	945.8
167.5°	958.5	957.0	955.5	954.1	952.6	952.8	953.0	953.1	953.3	953.4	953.8
170°	965.1	963.8	962.5	961.2	959.9	959.7	959.6	959.4	959.3	959.2	959.7
172.5°	969.5	968.2	966.9	965.6	964.3	964.1	963.9	963.8	963.6	963.5	964.0
175°	973.0	971.5	970.1	968.6	967.2	967.0	966.8	966.7	966.5	966.4	966.9
177.5°	974.5	973.2	971.9	970.6	969.3	969.0	968.7	968.4	968.1	967.9	968.5
180°	970.8	970.8	970.8	970.8	970.8	970.8	970.8	970.8	970.8	970.8	970.8

TEST NUMBER: P1032753

CATALOG NUMBER: S124DIW-B575D770UB2750-4F0-XX-W2A-A_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°	7.5	5.8	4.0	2.2
92.5°	9.9	10.2	10.6	10.9
95°	23.4	28.9	34.4	39.9
97.5°	86.9	83.3	79.8	76.2
100°	127.8	124.9	122.0	119.1
102.5°	172.8	170.9	168.9	167.0
105°	221.5	220.5	219.6	218.6
107.5°	267.2	266.7	266.3	265.8
110°	315.2	314.7	314.2	313.7

TEST NUMBER: P1032753

CATALOG NUMBER: S124DIW-B575D770UB2750-4F0-XX-W2A-A_5000K

CANDELA DISTRIBUTION (continued):

	345°	350°	355°	360°
112.5°	363.0	362.1	361.1	360.1
115°	409.5	409.0	408.6	408.1
117.5°	452.8	452.2	451.5	450.9
120°	496.4	495.8	495.1	494.5
122.5°	536.1	535.8	535.4	535.1
125°	575.5	574.9	574.2	573.6
127.5°	611.2	611.0	610.9	610.7
130°	646.7	646.6	646.4	646.2
132.5°	679.9	679.6	679.2	678.9
135°	711.1	711.3	711.4	711.6
137.5°	740.6	740.6	740.6	740.6
140°	769.9	769.6	769.2	768.9
142.5°	796.3	795.7	795.0	794.4
145°	822.0	821.5	821.0	820.5
147.5°	843.7	842.8	841.8	840.8
150°	865.2	864.6	863.9	863.3
152.5°	883.7	883.2	882.7	882.2
155°	900.1	900.0	899.8	899.6
157.5°	914.9	914.9	914.9	914.9
160°	926.5	927.0	927.5	928.0
162.5°	937.7	938.3	939.0	939.6
165°	946.6	947.4	948.2	949.0
167.5°	954.6	955.4	956.2	957.0
170°	960.6	961.6	962.5	963.5
172.5°	965.0	965.9	966.9	967.9
175°	967.9	968.8	969.8	970.8
177.5°	969.6	970.7	971.9	973.0
180°	970.8	970.8	970.8	970.8

(END OF REPORT)