

Scaled data based on original data using
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-State
Lighting Products

Test Report Prepared for

Cooper Lighting Solutions

(formerly Eaton)

Brand: NEO-RAY

Report Number: P332132-927

Luminaire Tested: **S123DIW-S560D1030U927-4F0-1E-UDD-A**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P332132-927
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1807-864-5,
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: NEO-RAY
Catalog Number: S123DIW-S560D1030U927-4F0-1E-UDD-A
Description: DEFINE 3 DIRECT-INDIRECT WALL MOUNT LED LUMINAIRE
DOWNLIGHT 560 LUMENS PER FOOT, ASYMMETRIC DIFFUSER
UPLIGHT 1030 LUMENS PER FOOT, NO LENS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5159.0 lumens
Efficiency: N/A
Efficacy: 114.1 lumens/watt
Spacing Criteria (0/90/45): 1.37 / 1.23 / 1.49
Luminous Opening: Rectangular (W 4' x L: 0.25' x H: 0')
CIE Type: Semi-Indirect

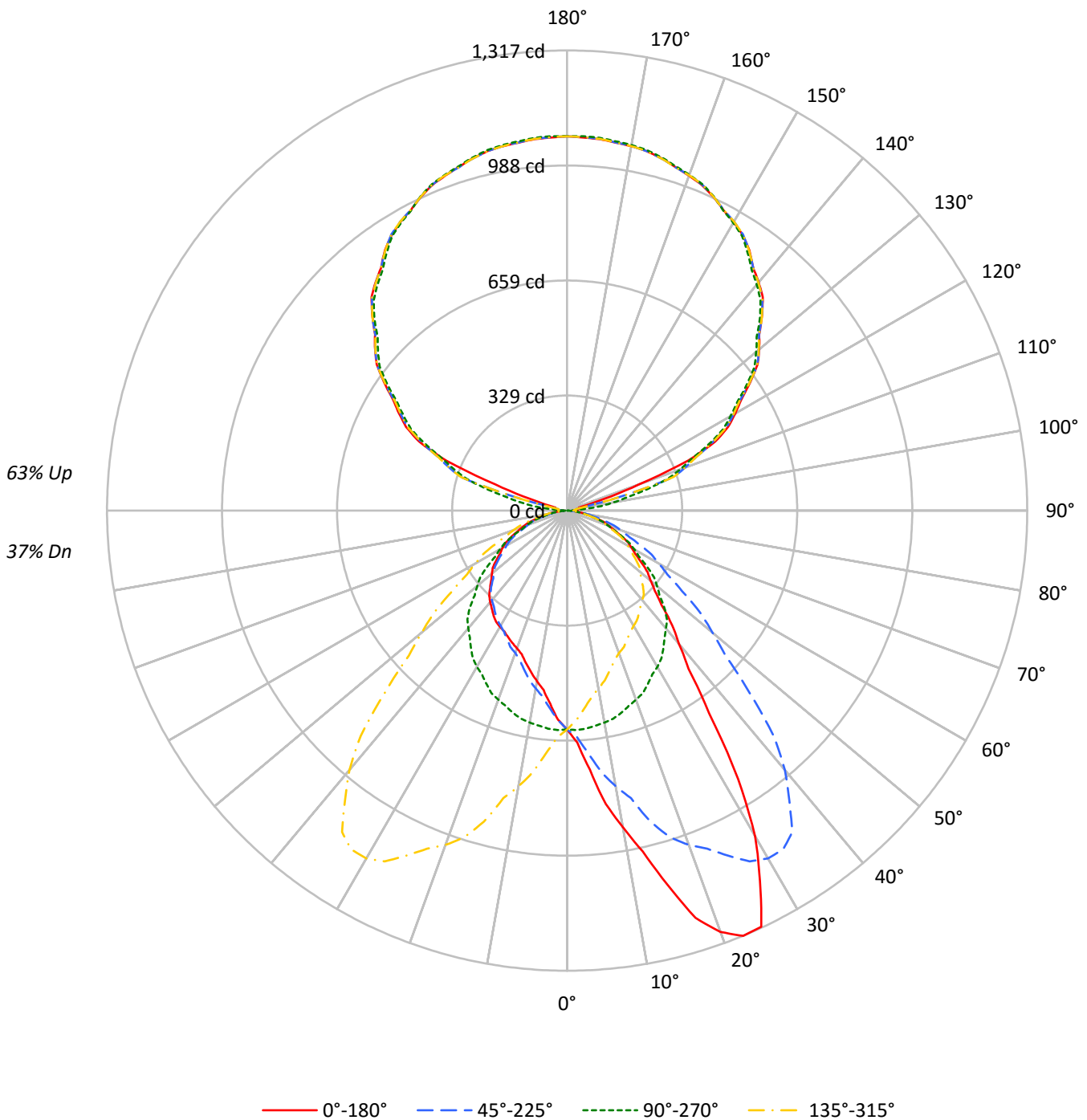
Input Watts (W): 45.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Luminous Intensity Polar Plot



63% Up

37% Dn



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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20	
RC	80				70				50				30				10	0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0
RCR																		
0	104	104	104	104	94	94	94	94	76	76	76	59	59	59	44	44	44	37
1	95	91	87	84	86	82	79	76	67	65	63	52	51	50	39	38	37	31
2	87	80	74	69	78	72	67	63	59	55	52	46	44	42	35	33	32	27
3	79	70	63	57	71	64	58	53	52	48	44	41	38	35	31	29	27	23
4	72	62	54	49	65	56	50	45	46	41	38	37	33	30	28	25	24	20
5	66	55	47	42	60	50	44	38	41	36	32	33	29	26	25	23	21	17
6	61	49	42	36	55	45	38	33	37	32	28	30	26	23	23	20	18	15
7	56	45	37	31	51	41	34	29	34	29	25	27	23	20	21	18	16	13
8	52	40	33	28	47	37	30	26	31	26	22	25	21	18	19	16	14	12
9	49	37	29	25	44	34	27	23	28	23	20	23	19	16	17	15	13	11
10	45	34	27	22	41	31	25	20	26	21	18	21	17	15	16	14	12	10

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	6740	6740	6740	6740
5°	8038	6769	5999	6769
10°	10061	6735	5418	6735
15°	12340	6681	5045	6681
20°	14701	6596	4803	6596
25°	15610	6494	4749	6494
30°	13380	6418	4774	6418
35°	9305	6311	4824	6311
40°	7009	6185	4808	6185
45°	5820	5999	4748	5999
50°	5213	5620	4706	5620
55°	4874	5210	4647	5210
60°	4573	4781	4598	4781
65°	4297	4358	4452	4358
70°	4028	3877	4239	3877
75°	3606	3394	3889	3394
80°	3155	2783	3347	2783
85°	2470	2025	2248	2025



TEST NUMBER: P332132-927

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	61.7	1.2
10°-20°	197.8	3.8
20°-30°	332.0	6.4
30°-40°	375.9	7.3
40°-50°	337.1	6.5
50°-60°	272.0	5.3
60°-70°	189.6	3.7
70°-80°	99.6	1.9
80°-90°	27.4	0.5
90°-100°	38.9	0.8
100°-110°	185.6	3.6
110°-120°	445.8	8.6
120°-130°	567.6	11.0
130°-140°	606.5	11.8
140°-150°	567.1	11.0
150°-160°	457.5	8.9
160°-170°	295.2	5.7
170°-180°	101.8	2.0
0°-30°	591.5	11.5
0°-40°	967.4	18.8
0°-60°	1576.5	30.6
0°-90°	1893.1	36.7
90°-120°	670.3	13.0
90°-150°	2411.5	46.7
90°-180°	3266.0	63.3
0°-180°	5159.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	626	626	626	626	626	
5°	744	626	555	626	744	77
15°	1107	600	453	600	1107	320
25°	1314	547	400	547	1314	576
35°	708	480	367	480	708	460
45°	382	394	312	394	382	303
55°	260	278	248	278	260	233
65°	169	171	175	171	169	168
75°	87	82	94	82	87	93
85°	20	16	18	16	20	24
90°	24	1	24	1	24	12
95°	30	49	30	49	30	25
105°	35	237	35	237	35	80
115°	468	445	468	445	468	432
125°	640	627	640	627	640	571
135°	788	780	788	780	788	608
145°	909	901	909	901	909	568
155°	991	992	991	992	991	457
165°	1044	1046	1044	1046	1044	295
175°	1067	1071	1067	1071	1067	102
180°	1071	1071	1071	1071	1071	



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	626.2	626.2	626.2	626.2	626.2	626.2	626.2	626.2	626.2	626.2	626.2
2.5°	664.6	664.1	662.9	663.8	661.9	659.3	659.0	656.6	649.5	649.0	647.1
5°	743.9	741.5	741.2	740.9	736.7	730.9	719.9	719.1	704.5	697.2	688.4
7.5°	846.8	848.0	843.6	839.7	826.7	818.2	806.4	791.5	773.6	755.4	743.3
10°	920.5	930.5	918.1	909.6	901.7	886.8	869.6	848.0	826.5	801.3	782.2
12.5°	999.7	1004.6	1002.1	994.0	981.8	959.2	928.5	904.8	884.9	843.0	826.1
15°	1107.4	1125.9	1114.1	1086.8	1087.4	1065.9	1025.8	981.8	958.5	921.7	871.6
17.5°	1222.3	1224.6	1219.5	1196.7	1181.5	1152.0	1115.0	1072.9	1025.5	981.1	928.0
20°	1283.4	1281.6	1271.0	1259.1	1233.0	1210.0	1169.6	1122.6	1061.9	1018.2	960.3
22.5°	1317.4	1314.3	1309.3	1299.4	1277.7	1252.9	1216.7	1165.3	1107.6	1047.3	980.4
25°	1314.3	1318.3	1318.9	1316.1	1308.6	1293.7	1265.2	1224.2	1166.6	1089.3	1019.5
27.5°	1195.4	1200.9	1217.2	1231.6	1247.7	1264.0	1261.9	1241.5	1198.9	1132.0	1046.7
30°	1076.5	1064.3	1094.4	1132.3	1158.1	1203.6	1229.1	1230.6	1206.7	1149.3	1066.1
32.5°	911.4	924.8	938.0	984.7	1041.1	1092.2	1142.9	1183.8	1188.4	1150.2	1077.5
35°	708.1	724.8	749.1	773.4	834.1	886.2	975.4	1053.1	1115.0	1123.2	1078.6
37.5°	570.6	578.9	594.2	618.5	658.2	720.2	789.2	887.3	977.0	1043.7	1046.6
40°	498.8	501.2	518.5	537.0	569.2	620.1	682.4	769.1	876.5	969.7	1008.5
42.5°	444.9	450.3	457.6	475.4	501.0	539.3	597.1	668.9	767.3	874.5	950.5
45°	382.3	388.3	392.9	404.7	422.9	448.7	489.1	554.6	629.5	740.3	842.6
47.5°	340.9	341.4	344.8	353.7	366.1	385.5	414.0	456.1	524.9	614.7	719.7
50°	311.3	316.2	317.3	324.3	334.1	348.3	372.0	407.7	464.2	543.1	639.6
52.5°	290.4	291.8	295.2	300.3	308.8	319.9	340.4	368.4	412.7	480.0	568.7
55°	259.7	259.7	263.1	267.0	271.9	281.9	295.5	316.2	349.8	402.0	475.5
57.5°	231.3	232.8	235.2	236.4	240.5	247.2	258.6	274.3	299.4	339.5	397.9
60°	212.4	215.1	214.8	217.2	220.9	226.0	235.8	248.5	270.9	303.1	352.3
62.5°	195.9	195.7	195.7	198.5	202.2	207.1	213.4	224.4	243.5	272.0	313.9
65°	168.7	168.1	170.2	172.1	173.3	176.9	181.7	191.5	204.2	225.5	257.9
67.5°	144.6	142.8	143.9	144.6	146.6	149.5	154.0	160.0	170.2	187.2	211.7
70°	128.0	126.5	126.2	126.8	128.7	130.8	134.1	139.9	149.2	163.0	180.9
72.5°	111.1	110.0	110.0	111.3	112.2	113.5	115.9	121.2	128.7	138.9	155.6
75°	86.7	86.7	86.7	87.1	88.0	89.2	91.0	93.7	99.5	106.8	118.0
77.5°	65.0	65.0	64.6	64.6	65.9	66.5	66.9	69.4	72.6	77.6	85.7
80°	50.9	49.4	50.1	50.9	51.6	51.9	52.8	53.4	56.2	58.9	64.6
82.5°	37.9	36.6	36.7	38.1	38.3	38.5	39.5	40.3	41.4	43.8	46.9
85°	20.0	20.0	20.4	20.4	20.6	20.4	21.2	21.5	21.5	23.1	24.9
87.5°	12.0	11.5	11.6	11.9	11.6	11.6	11.8	11.9	12.0	12.0	11.9
90°	23.8	23.5	23.1	22.8	22.4	21.9	21.2	20.5	19.8	19.1	16.8
92.5°	26.4	26.2	26.0	25.7	25.6	24.9	23.8	22.7	21.5	20.4	18.6
95°	30.3	30.3	30.3	30.3	30.3	29.6	28.4	27.2	25.9	24.6	22.7
97.5°	32.8	32.6	32.4	32.2	32.1	31.3	29.9	28.4	27.0	25.6	38.3
100°	33.4	33.3	33.0	32.9	32.7	31.9	30.5	29.1	27.6	26.2	53.9
102.5°	34.1	33.7	33.4	33.1	32.8	34.8	39.2	43.6	48.0	52.4	82.5
105°	35.0	34.6	34.3	34.0	33.6	49.0	80.3	111.7	143.0	174.3	190.2
107.5°	110.0	133.6	157.2	180.7	204.3	227.6	250.6	273.5	296.4	319.4	316.9
110°	218.8	244.1	269.3	294.7	320.0	335.5	341.4	347.2	353.0	358.9	356.9



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CATALOG NUMBER: S123DIW-S560D1030U927-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	375.4	380.7	386.1	391.4	396.7	399.3	399.3	399.2	399.0	398.9	397.0
115°	467.9	467.1	466.4	465.7	465.0	463.8	462.0	460.3	458.5	456.7	455.1
117.5°	519.8	519.6	519.4	519.3	519.2	518.4	517.0	515.6	514.1	512.7	511.9
120°	555.4	555.4	555.4	555.4	555.4	554.7	553.3	551.8	550.4	549.0	548.5
122.5°	590.4	590.3	590.1	589.9	589.9	589.2	588.3	587.2	586.3	585.3	584.6
125°	639.7	639.4	639.0	638.7	638.3	637.9	637.6	637.2	636.9	636.5	635.8
127.5°	687.1	687.5	687.9	688.2	688.6	688.5	687.9	687.3	686.7	686.2	685.3
130°	717.7	718.0	718.4	718.7	719.1	718.9	718.2	717.6	716.8	716.1	715.4
132.5°	745.7	746.2	746.7	747.2	747.7	747.6	746.9	746.2	745.4	744.7	744.2
135°	788.5	789.0	789.6	790.1	790.6	790.6	790.1	789.6	789.0	788.5	787.8
137.5°	828.8	829.1	829.5	829.8	830.2	830.0	829.1	828.2	827.4	826.6	826.2
140°	852.9	853.3	853.7	854.1	854.4	854.2	853.5	852.8	852.1	851.4	850.8
142.5°	875.2	875.8	876.2	876.7	877.2	877.2	876.6	876.1	875.5	874.9	874.4
145°	909.4	909.4	909.4	909.4	909.4	909.3	908.9	908.6	908.2	907.8	907.5
147.5°	934.9	935.7	936.5	937.4	938.2	938.4	938.0	937.7	937.3	937.0	936.6
150°	954.0	954.6	955.1	955.6	956.2	956.2	955.8	955.5	955.1	954.8	954.4
152.5°	969.3	970.1	970.9	971.7	972.6	972.6	972.0	971.4	970.7	970.1	969.9
155°	990.6	991.7	992.8	993.8	994.8	995.0	994.0	993.2	992.3	991.4	991.3
157.5°	1008.6	1010.0	1011.4	1012.7	1014.1	1014.2	1013.2	1012.2	1011.1	1010.0	1010.2
160°	1020.0	1021.3	1022.5	1023.7	1025.0	1025.1	1024.1	1022.9	1021.9	1020.9	1021.0
162.5°	1030.9	1032.0	1033.1	1034.2	1035.2	1035.2	1034.0	1032.8	1031.6	1030.4	1030.5
165°	1043.9	1045.1	1046.4	1047.7	1048.8	1048.8	1047.3	1045.9	1044.6	1043.1	1043.3
167.5°	1053.3	1054.7	1056.1	1057.6	1059.0	1059.0	1057.6	1056.1	1054.7	1053.3	1053.3
170°	1059.1	1060.4	1061.8	1063.3	1064.7	1064.7	1063.3	1061.8	1060.4	1059.1	1059.1
172.5°	1062.2	1063.7	1065.3	1066.9	1068.4	1068.5	1067.1	1065.7	1064.3	1062.9	1062.7
175°	1067.0	1068.4	1069.8	1071.3	1072.7	1072.8	1071.5	1070.2	1069.1	1067.8	1067.6
177.5°	1068.4	1069.8	1071.3	1072.7	1074.1	1074.2	1073.1	1072.0	1070.9	1069.7	1069.5
180°	1071.0	1071.0	1071.0	1071.0	1071.0	1071.0	1071.0	1071.0	1071.0	1071.0	1071.0



TEST NUMBER: P332132-927

CATALOG NUMBER: S123DIW-S560D1030U927-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	626.2	626.2	626.2	626.2	626.2	626.2	626.2	626.2	626.2	626.2	626.2
2.5°	645.6	643.7	641.7	638.3	635.4	631.3	630.1	628.7	624.3	620.4	617.5
5°	685.1	677.8	667.2	657.4	649.6	639.0	632.9	626.5	617.4	609.3	602.5
7.5°	726.4	712.0	695.5	677.7	661.1	645.0	632.1	620.6	607.8	595.7	586.4
10°	759.1	738.5	715.4	690.5	669.3	648.6	631.4	616.2	599.8	585.6	573.7
12.5°	796.5	765.9	734.1	703.9	678.7	650.1	629.2	609.9	591.4	574.2	560.9
15°	840.7	801.9	764.3	722.7	684.4	648.6	623.8	599.5	578.0	560.4	543.4
17.5°	881.0	837.0	787.4	736.9	690.8	648.3	613.5	586.1	559.1	537.6	520.6
20°	903.8	853.7	797.6	745.1	694.2	646.8	608.6	575.8	546.8	523.9	504.9
22.5°	923.5	864.9	806.8	750.8	694.0	642.9	599.7	565.9	534.3	512.1	491.8
25°	943.9	873.8	815.6	749.7	686.3	633.5	584.9	546.8	515.2	489.1	468.2
27.5°	961.4	873.2	804.1	733.2	674.3	621.4	569.6	528.5	495.0	466.7	445.4
30°	973.0	874.4	792.2	722.1	662.7	608.0	557.6	516.4	481.2	452.3	432.4
32.5°	980.3	873.7	781.3	706.5	644.2	595.9	544.8	502.1	465.9	437.6	418.3
35°	984.5	868.3	762.5	674.5	614.4	567.4	524.6	480.3	442.4	416.0	394.1
37.5°	976.0	857.1	740.6	643.5	577.7	531.5	495.4	457.7	421.4	392.4	373.5
40°	962.7	849.9	723.6	621.7	552.5	507.9	477.3	440.2	404.4	376.8	359.3
42.5°	937.2	835.0	705.0	597.4	526.2	481.6	453.4	422.6	388.6	362.7	345.2
45°	875.0	802.8	676.9	561.0	487.6	441.5	416.6	394.1	363.5	338.3	323.1
47.5°	788.7	754.3	636.4	522.6	447.2	402.8	376.9	358.9	336.4	316.2	301.6
50°	728.8	714.5	609.0	496.4	420.2	376.8	352.0	335.6	319.5	299.1	285.8
52.5°	659.6	668.4	576.9	469.2	392.8	350.1	326.7	313.7	299.1	282.4	270.8
55°	562.2	594.1	521.6	423.6	352.0	311.3	289.1	277.6	269.1	256.7	246.7
57.5°	471.0	511.5	461.7	376.5	311.8	276.8	255.6	243.0	237.5	231.0	223.2
60°	416.8	456.9	419.0	345.0	284.9	251.5	232.7	222.1	216.7	212.1	205.4
62.5°	368.6	409.1	377.2	312.9	258.4	227.5	211.1	200.7	196.5	194.1	188.4
65°	302.2	337.1	315.8	263.1	220.5	193.3	178.4	171.1	167.2	166.3	162.6
67.5°	246.0	272.5	257.1	218.2	184.7	161.1	148.5	142.4	139.3	139.0	136.3
70°	209.1	233.9	222.1	186.9	158.0	139.6	128.7	123.2	121.4	121.0	119.5
72.5°	180.4	197.7	188.4	159.0	136.7	119.9	111.9	106.2	104.1	104.6	103.5
75°	133.5	146.6	141.1	120.7	102.8	91.9	85.2	81.6	79.8	80.7	79.5
77.5°	96.1	104.3	99.4	85.3	74.3	66.4	61.5	59.3	57.6	57.5	57.0
80°	72.5	77.4	74.6	66.1	57.0	50.4	46.4	44.9	44.0	43.7	43.4
82.5°	51.7	55.8	52.5	46.7	40.6	36.5	34.3	32.3	31.6	31.8	31.5
85°	26.1	27.6	26.4	22.7	20.4	18.5	17.3	16.4	15.8	16.1	15.4
87.5°	11.9	11.6	10.5	9.1	8.2	7.2	6.8	6.0	5.9	6.2	6.3
90°	14.5	12.2	9.9	7.8	6.1	4.4	2.5	0.8	2.5	4.4	6.1
92.5°	16.9	15.2	13.5	12.8	13.3	13.8	14.3	14.8	14.3	13.8	13.3
95°	20.8	18.9	16.9	19.6	26.8	34.1	41.3	48.6	41.3	34.1	26.8
97.5°	51.1	63.8	76.5	84.5	87.8	91.0	94.3	97.5	94.3	91.0	87.8
100°	81.4	109.0	136.6	148.6	145.0	141.6	138.0	134.4	138.0	141.6	145.0
102.5°	112.6	142.8	172.9	186.6	184.1	181.6	179.0	176.5	179.0	181.6	184.1
105°	206.0	222.0	237.9	244.9	243.0	241.0	239.1	237.1	239.1	241.0	243.0
107.5°	314.3	311.9	309.3	307.3	305.8	304.2	302.6	301.1	302.6	304.2	305.8
110°	355.0	353.0	351.1	349.4	348.0	346.6	345.2	343.7	345.2	346.6	348.0



TEST NUMBER: P332132-927

CATALOG NUMBER: S123DIW-S560D1030U927-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	395.1	393.1	391.2	389.6	388.3	387.0	385.7	384.4	385.7	387.0	388.3
115°	453.5	451.9	450.4	449.0	448.0	446.9	445.8	444.8	445.8	446.9	448.0
117.5°	511.1	510.3	509.5	508.4	507.1	505.8	504.5	503.2	504.5	505.8	507.1
120°	548.0	547.4	546.9	545.8	544.2	542.6	541.1	539.5	541.1	542.6	544.2
122.5°	583.9	583.3	582.6	581.6	580.3	579.0	577.7	576.4	577.7	579.0	580.3
125°	635.1	634.4	633.7	632.6	631.2	629.8	628.4	627.0	628.4	629.8	631.2
127.5°	684.5	683.7	682.8	681.7	680.2	678.8	677.4	676.0	677.4	678.8	680.2
130°	714.7	714.0	713.3	712.3	710.8	709.4	708.0	706.5	708.0	709.4	710.8
132.5°	743.6	743.1	742.5	741.5	740.1	738.6	737.3	735.9	737.3	738.6	740.1
135°	787.1	786.4	785.7	784.8	783.7	782.7	781.6	780.5	781.6	782.7	783.7
137.5°	825.8	825.4	825.0	824.1	822.8	821.4	820.1	818.7	820.1	821.4	822.8
140°	850.3	849.8	849.2	848.4	847.4	846.4	845.3	844.2	845.3	846.4	847.4
142.5°	873.9	873.3	872.8	872.0	870.9	869.9	868.8	867.8	868.8	869.9	870.9
145°	907.1	906.8	906.4	905.6	904.4	903.2	901.9	900.7	901.9	903.2	904.4
147.5°	936.3	935.9	935.6	935.0	934.1	933.3	932.6	931.8	932.6	933.3	934.1
150°	954.1	953.7	953.4	952.9	952.4	951.9	951.3	950.9	951.3	951.9	952.4
152.5°	969.6	969.5	969.2	969.0	968.8	968.5	968.3	968.0	968.3	968.5	968.8
155°	991.0	990.9	990.7	990.8	991.2	991.5	991.8	992.2	991.8	991.5	991.2
157.5°	1010.3	1010.6	1010.7	1010.8	1010.9	1010.9	1011.0	1011.0	1011.0	1010.9	1010.9
160°	1021.2	1021.4	1021.5	1021.8	1021.9	1022.1	1022.2	1022.5	1022.2	1022.1	1021.9
162.5°	1030.8	1030.9	1031.1	1031.4	1031.9	1032.4	1032.8	1033.2	1032.8	1032.4	1031.9
165°	1043.5	1043.6	1043.9	1044.2	1044.7	1045.3	1045.8	1046.3	1045.8	1045.3	1044.7
167.5°	1053.3	1053.3	1053.3	1053.7	1054.4	1055.1	1055.8	1056.5	1055.8	1055.1	1054.4
170°	1059.1	1059.1	1059.1	1059.4	1060.1	1060.8	1061.5	1062.2	1061.5	1060.8	1060.1
172.5°	1062.6	1062.4	1062.3	1062.6	1063.5	1064.4	1065.2	1066.0	1065.2	1064.4	1063.5
175°	1067.5	1067.2	1067.1	1067.5	1068.3	1069.2	1070.1	1071.0	1070.1	1069.2	1068.3
177.5°	1069.4	1069.3	1069.1	1069.4	1070.2	1070.9	1071.5	1072.2	1071.5	1070.9	1070.2
180°	1071.0	1071.0	1071.0	1071.0	1071.0	1071.0	1071.0	1071.0	1071.0	1071.0	1071.0



TEST NUMBER: P332132-927

CATALOG NUMBER: S123DIW-S560D1030U927-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	626.2	626.2	626.2	626.2	626.2	626.2	626.2	626.2	626.2	626.2	626.2
2.5°	615.8	614.1	611.6	608.0	605.1	600.5	600.5	601.2	601.2	600.9	600.5
5°	597.1	592.6	587.1	580.7	574.0	567.4	566.2	563.7	561.9	560.7	559.2
7.5°	577.3	569.3	561.3	552.5	544.3	537.6	532.9	529.0	526.5	523.9	521.9
10°	564.0	554.0	544.6	535.2	524.9	516.7	511.5	507.9	505.2	502.7	501.5
12.5°	548.3	536.8	526.4	517.5	506.2	497.7	492.8	491.2	487.9	482.8	480.1
15°	525.2	514.6	502.2	488.5	483.0	472.7	466.9	464.2	462.4	458.4	457.2
17.5°	505.5	491.5	477.6	467.4	457.2	448.9	445.7	442.3	439.9	436.7	435.7
20°	489.7	477.3	464.5	453.6	443.0	433.9	431.1	428.7	426.3	424.8	423.6
22.5°	473.6	461.2	450.7	440.5	429.1	423.2	420.2	417.6	415.8	414.8	413.6
25°	451.1	440.2	428.4	419.3	410.2	406.2	404.4	402.9	401.7	400.2	399.9
27.5°	431.0	419.1	409.6	401.0	394.5	391.2	389.4	388.7	389.0	389.5	389.8
30°	416.0	405.0	397.1	389.8	383.8	380.8	380.5	380.5	381.7	382.0	382.6
32.5°	402.1	393.2	385.2	378.2	373.6	371.5	372.7	372.7	373.7	374.5	375.6
35°	382.0	374.1	368.0	361.9	358.0	358.9	359.5	360.1	361.6	363.5	364.7
37.5°	362.7	355.9	349.6	344.8	343.0	344.7	346.1	347.4	349.2	350.5	351.7
40°	348.9	343.7	337.7	333.4	334.1	334.9	336.2	337.7	339.2	340.1	341.4
42.5°	336.0	330.7	326.1	322.5	323.4	324.6	325.3	326.1	327.8	329.5	330.2
45°	316.5	312.2	307.9	305.9	306.4	307.0	307.7	308.6	310.1	311.3	311.6
47.5°	294.5	291.4	288.6	286.5	287.5	287.2	288.0	290.0	290.5	291.2	292.9
50°	280.4	277.6	274.3	273.7	273.7	273.7	273.9	276.4	276.4	277.6	278.8
52.5°	264.8	263.1	260.9	259.8	259.4	259.4	260.6	261.8	262.3	264.0	265.2
55°	241.8	240.0	238.2	237.3	236.6	237.3	239.7	240.3	241.8	242.7	243.6
57.5°	217.9	216.4	215.0	214.5	214.4	215.2	216.5	218.3	218.7	221.5	222.8
60°	202.1	199.9	198.8	198.8	198.1	200.8	200.3	203.3	203.9	205.7	207.9
62.5°	185.8	182.9	182.4	182.4	183.3	184.1	185.0	186.3	187.9	190.2	191.8
65°	159.6	158.0	160.2	159.9	159.3	161.1	161.1	162.6	164.5	166.6	169.9
67.5°	134.8	134.0	134.2	134.2	135.1	136.1	137.0	138.3	140.5	142.8	144.9
70°	118.0	118.9	117.4	118.7	119.5	119.9	120.4	122.2	124.7	126.2	128.7
72.5°	101.8	101.7	101.9	102.3	103.3	103.9	104.4	106.5	109.2	110.4	112.4
75°	78.3	78.0	78.9	78.9	80.4	81.0	81.6	82.5	84.9	86.7	88.3
77.5°	57.2	57.5	57.4	58.4	58.0	58.1	60.0	60.8	61.1	64.7	65.5
80°	43.1	43.7	44.0	44.3	44.6	44.0	46.1	47.1	47.1	49.1	50.7
82.5°	31.0	31.3	32.1	32.4	32.5	33.0	33.3	33.9	34.6	35.6	37.5
85°	15.4	16.4	16.7	16.4	16.7	16.1	17.0	17.3	17.6	17.6	17.6
87.5°	6.4	7.1	7.3	8.0	8.2	9.0	9.0	8.7	8.9	9.7	8.9
90°	7.8	9.9	12.2	14.5	16.8	19.1	19.8	20.5	21.2	21.9	22.4
92.5°	12.8	13.5	15.2	16.9	18.6	20.4	21.5	22.7	23.8	24.9	25.6
95°	19.6	16.9	18.9	20.8	22.7	24.6	25.9	27.2	28.4	29.6	30.3
97.5°	84.5	76.5	63.8	51.1	38.3	25.6	27.0	28.4	29.9	31.3	32.1
100°	148.6	136.6	109.0	81.4	53.9	26.2	27.6	29.1	30.5	31.9	32.7
102.5°	186.6	172.9	142.8	112.6	82.5	52.4	48.0	43.6	39.2	34.8	32.8
105°	244.9	237.9	222.0	206.0	190.2	174.3	143.0	111.7	80.3	49.0	33.6
107.5°	307.3	309.3	311.9	314.3	316.9	319.4	296.4	273.5	250.6	227.6	204.3
110°	349.4	351.1	353.0	355.0	356.9	358.9	353.0	347.2	341.4	335.5	320.0



TEST NUMBER: P332132-927

CATALOG NUMBER: S123DIW-S560D1030U927-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	389.6	391.2	393.1	395.1	397.0	398.9	399.0	399.2	399.3	399.3	396.7
115°	449.0	450.4	451.9	453.5	455.1	456.7	458.5	460.3	462.0	463.8	465.0
117.5°	508.4	509.5	510.3	511.1	511.9	512.7	514.1	515.6	517.0	518.4	519.2
120°	545.8	546.9	547.4	548.0	548.5	549.0	550.4	551.8	553.3	554.7	555.4
122.5°	581.6	582.6	583.3	583.9	584.6	585.3	586.3	587.2	588.3	589.2	589.9
125°	632.6	633.7	634.4	635.1	635.8	636.5	636.9	637.2	637.6	637.9	638.3
127.5°	681.7	682.8	683.7	684.5	685.3	686.2	686.7	687.3	687.9	688.5	688.6
130°	712.3	713.3	714.0	714.7	715.4	716.1	716.8	717.6	718.2	718.9	719.1
132.5°	741.5	742.5	743.1	743.6	744.2	744.7	745.4	746.2	746.9	747.6	747.7
135°	784.8	785.7	786.4	787.1	787.8	788.5	789.0	789.6	790.1	790.6	790.6
137.5°	824.1	825.0	825.4	825.8	826.2	826.6	827.4	828.2	829.1	830.0	830.2
140°	848.4	849.2	849.8	850.3	850.8	851.4	852.1	852.8	853.5	854.2	854.4
142.5°	872.0	872.8	873.3	873.9	874.4	874.9	875.5	876.1	876.6	877.2	877.2
145°	905.6	906.4	906.8	907.1	907.5	907.8	908.2	908.6	908.9	909.3	909.4
147.5°	935.0	935.6	935.9	936.3	936.6	937.0	937.3	937.7	938.0	938.4	938.2
150°	952.9	953.4	953.7	954.1	954.4	954.8	955.1	955.5	955.8	956.2	956.2
152.5°	969.0	969.2	969.5	969.6	969.9	970.1	970.7	971.4	972.0	972.6	972.6
155°	990.8	990.7	990.9	991.0	991.3	991.4	992.3	993.2	994.0	995.0	994.8
157.5°	1010.8	1010.7	1010.6	1010.3	1010.2	1010.0	1011.1	1012.2	1013.2	1014.2	1014.1
160°	1021.8	1021.5	1021.4	1021.2	1021.0	1020.9	1021.9	1022.9	1024.1	1025.1	1025.0
162.5°	1031.4	1031.1	1030.9	1030.8	1030.5	1030.4	1031.6	1032.8	1034.0	1035.2	1035.2
165°	1044.2	1043.9	1043.6	1043.5	1043.3	1043.1	1044.6	1045.9	1047.3	1048.8	1048.8
167.5°	1053.7	1053.3	1053.3	1053.3	1053.3	1053.3	1054.7	1056.1	1057.6	1059.0	1059.0
170°	1059.4	1059.1	1059.1	1059.1	1059.1	1059.1	1060.4	1061.8	1063.3	1064.7	1064.7
172.5°	1062.6	1062.3	1062.4	1062.6	1062.7	1062.9	1064.3	1065.7	1067.1	1068.5	1068.4
175°	1067.5	1067.1	1067.2	1067.5	1067.6	1067.8	1069.1	1070.2	1071.5	1072.8	1072.7
177.5°	1069.4	1069.1	1069.3	1069.4	1069.5	1069.7	1070.9	1072.0	1073.1	1074.2	1074.1
180°	1071.0	1071.0	1071.0	1071.0	1071.0	1071.0	1071.0	1071.0	1071.0	1071.0	1071.0



TEST NUMBER: P332132-927

CATALOG NUMBER: S123DIW-S560D1030U927-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	626.2	626.2	626.2	626.2	626.2	626.2	626.2	626.2	626.2	626.2	626.2
2.5°	598.8	598.6	600.2	599.0	600.2	598.6	598.8	600.5	600.9	601.2	601.2
5°	557.4	558.3	555.2	555.2	555.2	558.3	557.4	559.2	560.7	561.9	563.7
7.5°	520.5	519.1	519.3	517.6	519.3	519.1	520.5	521.9	523.9	526.5	529.0
10°	497.9	496.1	495.4	495.7	495.4	496.1	497.9	501.5	502.7	505.2	507.9
12.5°	479.2	478.8	474.8	474.9	474.8	478.8	479.2	480.1	482.8	487.9	491.2
15°	457.2	451.5	450.8	452.7	450.8	451.5	457.2	457.2	458.4	462.4	464.2
17.5°	435.2	432.1	432.4	431.4	432.4	432.1	435.2	435.7	436.7	439.9	442.3
20°	423.6	421.8	421.4	419.3	421.4	421.8	423.6	423.6	424.8	426.3	428.7
22.5°	412.9	412.3	412.4	410.1	412.4	412.3	412.9	413.6	414.8	415.8	417.6
25°	399.6	401.1	399.9	399.9	399.9	401.1	399.6	399.9	400.2	401.7	402.9
27.5°	390.6	390.5	389.9	389.9	389.9	390.5	390.6	389.8	389.5	389.0	388.7
30°	383.8	383.5	384.1	384.1	384.1	383.5	383.8	382.6	382.0	381.7	380.5
32.5°	377.0	377.4	377.6	377.8	377.6	377.4	377.0	375.6	374.5	373.7	372.7
35°	366.5	366.8	367.7	367.1	367.7	366.8	366.5	364.7	363.5	361.6	360.1
37.5°	352.3	353.7	353.4	353.9	353.4	353.7	352.3	351.7	350.5	349.2	347.4
40°	341.7	342.5	342.2	342.2	342.2	342.5	341.7	341.4	340.1	339.2	337.7
42.5°	330.7	331.4	330.6	330.1	330.6	331.4	330.7	330.2	329.5	327.8	326.1
45°	312.8	312.2	313.1	311.9	313.1	312.2	312.8	311.6	311.3	310.1	308.6
47.5°	292.8	293.4	293.7	294.5	293.7	293.4	292.8	292.9	291.2	290.5	290.0
50°	279.4	281.2	281.2	281.0	281.2	281.2	279.4	278.8	277.6	276.4	276.4
52.5°	266.3	267.2	268.4	268.3	268.4	267.2	266.3	265.2	264.0	262.3	261.8
55°	246.1	246.7	247.2	247.6	247.2	246.7	246.1	243.6	242.7	241.8	240.3
57.5°	225.1	224.8	226.2	226.7	226.2	224.8	225.1	222.8	221.5	218.7	218.3
60°	210.2	210.2	212.7	213.6	212.7	210.2	210.2	207.9	205.7	203.9	203.3
62.5°	194.5	195.4	197.9	196.6	197.9	195.4	194.5	191.8	190.2	187.9	186.3
65°	171.4	173.9	173.6	174.8	173.6	173.9	171.4	169.9	166.6	164.5	162.6
67.5°	147.3	148.9	151.1	151.2	151.1	148.9	147.3	144.9	142.8	140.5	138.3
70°	131.1	132.6	133.8	134.7	133.8	132.6	131.1	128.7	126.2	124.7	122.2
72.5°	115.3	116.1	119.0	117.7	119.0	116.1	115.3	112.4	110.4	109.2	106.5
75°	90.4	92.5	94.3	93.5	94.3	92.5	90.4	88.3	86.7	84.9	82.5
77.5°	66.9	69.0	69.9	69.1	69.9	69.0	66.9	65.5	64.7	61.1	60.8
80°	52.8	52.5	54.3	54.0	54.3	52.5	52.8	50.7	49.1	47.1	47.1
82.5°	38.7	38.4	39.3	39.5	39.3	38.4	38.7	37.5	35.6	34.6	33.9
85°	18.8	19.7	18.5	18.2	18.5	19.7	18.8	17.6	17.6	17.6	17.3
87.5°	9.0	9.0	8.8	8.6	8.8	9.0	9.0	8.9	9.7	8.9	8.7
90°	22.8	23.1	23.5	23.8	23.5	23.1	22.8	22.4	21.9	21.2	20.5
92.5°	25.7	26.0	26.2	26.4	26.2	26.0	25.7	25.6	24.9	23.8	22.7
95°	30.3	30.3	30.3	30.3	30.3	30.3	30.3	30.3	29.6	28.4	27.2
97.5°	32.2	32.4	32.6	32.8	32.6	32.4	32.2	32.1	31.3	29.9	28.4
100°	32.9	33.0	33.3	33.4	33.3	33.0	32.9	32.7	31.9	30.5	29.1
102.5°	33.1	33.4	33.7	34.1	33.7	33.4	33.1	32.8	34.8	39.2	43.6
105°	34.0	34.3	34.6	35.0	34.6	34.3	34.0	33.6	49.0	80.3	111.7
107.5°	180.7	157.2	133.6	110.0	133.6	157.2	180.7	204.3	227.6	250.6	273.5
110°	294.7	269.3	244.1	218.8	244.1	269.3	294.7	320.0	335.5	341.4	347.2



TEST NUMBER: P332132-927

CATALOG NUMBER: S123DIW-S560D1030U927-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	391.4	386.1	380.7	375.4	380.7	386.1	391.4	396.7	399.3	399.3	399.2
115°	465.7	466.4	467.1	467.9	467.1	466.4	465.7	465.0	463.8	462.0	460.3
117.5°	519.3	519.4	519.6	519.8	519.6	519.4	519.3	519.2	518.4	517.0	515.6
120°	555.4	555.4	555.4	555.4	555.4	555.4	555.4	555.4	554.7	553.3	551.8
122.5°	589.9	590.1	590.3	590.4	590.3	590.1	589.9	589.9	589.2	588.3	587.2
125°	638.7	639.0	639.4	639.7	639.4	639.0	638.7	638.3	637.9	637.6	637.2
127.5°	688.2	687.9	687.5	687.1	687.5	687.9	688.2	688.6	688.5	687.9	687.3
130°	718.7	718.4	718.0	717.7	718.0	718.4	718.7	719.1	718.9	718.2	717.6
132.5°	747.2	746.7	746.2	745.7	746.2	746.7	747.2	747.7	747.6	746.9	746.2
135°	790.1	789.6	789.0	788.5	789.0	789.6	790.1	790.6	790.6	790.1	789.6
137.5°	829.8	829.5	829.1	828.8	829.1	829.5	829.8	830.2	830.0	829.1	828.2
140°	854.1	853.7	853.3	852.9	853.3	853.7	854.1	854.4	854.2	853.5	852.8
142.5°	876.7	876.2	875.8	875.2	875.8	876.2	876.7	877.2	877.2	876.6	876.1
145°	909.4	909.4	909.4	909.4	909.4	909.4	909.4	909.4	909.3	908.9	908.6
147.5°	937.4	936.5	935.7	934.9	935.7	936.5	937.4	938.2	938.4	938.0	937.7
150°	955.6	955.1	954.6	954.0	954.6	955.1	955.6	956.2	956.2	955.8	955.5
152.5°	971.7	970.9	970.1	969.3	970.1	970.9	971.7	972.6	972.6	972.0	971.4
155°	993.8	992.8	991.7	990.6	991.7	992.8	993.8	994.8	995.0	994.0	993.2
157.5°	1012.7	1011.4	1010.0	1008.6	1010.0	1011.4	1012.7	1014.1	1014.2	1013.2	1012.2
160°	1023.7	1022.5	1021.3	1020.0	1021.3	1022.5	1023.7	1025.0	1025.1	1024.1	1022.9
162.5°	1034.2	1033.1	1032.0	1030.9	1032.0	1033.1	1034.2	1035.2	1035.2	1034.0	1032.8
165°	1047.7	1046.4	1045.1	1043.9	1045.1	1046.4	1047.7	1048.8	1048.8	1047.3	1045.9
167.5°	1057.6	1056.1	1054.7	1053.3	1054.7	1056.1	1057.6	1059.0	1059.0	1057.6	1056.1
170°	1063.3	1061.8	1060.4	1059.1	1060.4	1061.8	1063.3	1064.7	1064.7	1063.3	1061.8
172.5°	1066.9	1065.3	1063.7	1062.2	1063.7	1065.3	1066.9	1068.4	1068.5	1067.1	1065.7
175°	1071.3	1069.8	1068.4	1067.0	1068.4	1069.8	1071.3	1072.7	1072.8	1071.5	1070.2
177.5°	1072.7	1071.3	1069.8	1068.4	1069.8	1071.3	1072.7	1074.1	1074.2	1073.1	1072.0
180°	1071.0	1071.0	1071.0	1071.0	1071.0	1071.0	1071.0	1071.0	1071.0	1071.0	1071.0



TEST NUMBER: P332132-927

CATALOG NUMBER: S123DIW-S560D1030U927-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	626.2	626.2	626.2	626.2	626.2	626.2	626.2	626.2	626.2	626.2	626.2
2.5°	600.5	600.5	605.1	608.0	611.6	614.1	615.8	617.5	620.4	624.3	628.7
5°	566.2	567.4	574.0	580.7	587.1	592.6	597.1	602.5	609.3	617.4	626.5
7.5°	532.9	537.6	544.3	552.5	561.3	569.3	577.3	586.4	595.7	607.8	620.6
10°	511.5	516.7	524.9	535.2	544.6	554.0	564.0	573.7	585.6	599.8	616.2
12.5°	492.8	497.7	506.2	517.5	526.4	536.8	548.3	560.9	574.2	591.4	609.9
15°	466.9	472.7	483.0	488.5	502.2	514.6	525.2	543.4	560.4	578.0	599.5
17.5°	445.7	448.9	457.2	467.4	477.6	491.5	505.5	520.6	537.6	559.1	586.1
20°	431.1	433.9	443.0	453.6	464.5	477.3	489.7	504.9	523.9	546.8	575.8
22.5°	420.2	423.2	429.1	440.5	450.7	461.2	473.6	491.8	512.1	534.3	565.9
25°	404.4	406.2	410.2	419.3	428.4	440.2	451.1	468.2	489.1	515.2	546.8
27.5°	389.4	391.2	394.5	401.0	409.6	419.1	431.0	445.4	466.7	495.0	528.5
30°	380.5	380.8	383.8	389.8	397.1	405.0	416.0	432.4	452.3	481.2	516.4
32.5°	372.7	371.5	373.6	378.2	385.2	393.2	402.1	418.3	437.6	465.9	502.1
35°	359.5	358.9	358.0	361.9	368.0	374.1	382.0	394.1	416.0	442.4	480.3
37.5°	346.1	344.7	343.0	344.8	349.6	355.9	362.7	373.5	392.4	421.4	457.7
40°	336.2	334.9	334.1	333.4	337.7	343.7	348.9	359.3	376.8	404.4	440.2
42.5°	325.3	324.6	323.4	322.5	326.1	330.7	336.0	345.2	362.7	388.6	422.6
45°	307.7	307.0	306.4	305.9	307.9	312.2	316.5	323.1	338.3	363.5	394.1
47.5°	288.0	287.2	287.5	286.5	288.6	291.4	294.5	301.6	316.2	336.4	358.9
50°	273.9	273.7	273.7	273.7	274.3	277.6	280.4	285.8	299.1	319.5	335.6
52.5°	260.6	259.4	259.4	259.8	260.9	263.1	264.8	270.8	282.4	299.1	313.7
55°	239.7	237.3	236.6	237.3	238.2	240.0	241.8	246.7	256.7	269.1	277.6
57.5°	216.5	215.2	214.4	214.5	215.0	216.4	217.9	223.2	231.0	237.5	243.0
60°	200.3	200.8	198.1	198.8	198.8	199.9	202.1	205.4	212.1	216.7	222.1
62.5°	185.0	184.1	183.3	182.4	182.4	182.9	185.8	188.4	194.1	196.5	200.7
65°	161.1	161.1	159.3	159.9	160.2	158.0	159.6	162.6	166.3	167.2	171.1
67.5°	137.0	136.1	135.1	134.2	134.2	134.0	134.8	136.3	139.0	139.3	142.4
70°	120.4	119.9	119.5	118.7	117.4	118.9	118.0	119.5	121.0	121.4	123.2
72.5°	104.4	103.9	103.3	102.3	101.9	101.7	101.8	103.5	104.6	104.1	106.2
75°	81.6	81.0	80.4	78.9	78.9	78.0	78.3	79.5	80.7	79.8	81.6
77.5°	60.0	58.1	58.0	58.4	57.4	57.5	57.2	57.0	57.5	57.6	59.3
80°	46.1	44.0	44.6	44.3	44.0	43.7	43.1	43.4	43.7	44.0	44.9
82.5°	33.3	33.0	32.5	32.4	32.1	31.3	31.0	31.5	31.8	31.6	32.3
85°	17.0	16.1	16.7	16.4	16.7	16.4	15.4	15.4	16.1	15.8	16.4
87.5°	9.0	9.0	8.2	8.0	7.3	7.1	6.4	6.3	6.2	5.9	6.0
90°	19.8	19.1	16.8	14.5	12.2	9.9	7.8	6.1	4.4	2.5	0.8
92.5°	21.5	20.4	18.6	16.9	15.2	13.5	12.8	13.3	13.8	14.3	14.8
95°	25.9	24.6	22.7	20.8	18.9	16.9	19.6	26.8	34.1	41.3	48.6
97.5°	27.0	25.6	38.3	51.1	63.8	76.5	84.5	87.8	91.0	94.3	97.5
100°	27.6	26.2	53.9	81.4	109.0	136.6	148.6	145.0	141.6	138.0	134.4
102.5°	48.0	52.4	82.5	112.6	142.8	172.9	186.6	184.1	181.6	179.0	176.5
105°	143.0	174.3	190.2	206.0	222.0	237.9	244.9	243.0	241.0	239.1	237.1
107.5°	296.4	319.4	316.9	314.3	311.9	309.3	307.3	305.8	304.2	302.6	301.1
110°	353.0	358.9	356.9	355.0	353.0	351.1	349.4	348.0	346.6	345.2	343.7



TEST NUMBER: P332132-927

CATALOG NUMBER: S123DIW-S560D1030U927-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	399.0	398.9	397.0	395.1	393.1	391.2	389.6	388.3	387.0	385.7	384.4
115°	458.5	456.7	455.1	453.5	451.9	450.4	449.0	448.0	446.9	445.8	444.8
117.5°	514.1	512.7	511.9	511.1	510.3	509.5	508.4	507.1	505.8	504.5	503.2
120°	550.4	549.0	548.5	548.0	547.4	546.9	545.8	544.2	542.6	541.1	539.5
122.5°	586.3	585.3	584.6	583.9	583.3	582.6	581.6	580.3	579.0	577.7	576.4
125°	636.9	636.5	635.8	635.1	634.4	633.7	632.6	631.2	629.8	628.4	627.0
127.5°	686.7	686.2	685.3	684.5	683.7	682.8	681.7	680.2	678.8	677.4	676.0
130°	716.8	716.1	715.4	714.7	714.0	713.3	712.3	710.8	709.4	708.0	706.5
132.5°	745.4	744.7	744.2	743.6	743.1	742.5	741.5	740.1	738.6	737.3	735.9
135°	789.0	788.5	787.8	787.1	786.4	785.7	784.8	783.7	782.7	781.6	780.5
137.5°	827.4	826.6	826.2	825.8	825.4	825.0	824.1	822.8	821.4	820.1	818.7
140°	852.1	851.4	850.8	850.3	849.8	849.2	848.4	847.4	846.4	845.3	844.2
142.5°	875.5	874.9	874.4	873.9	873.3	872.8	872.0	870.9	869.9	868.8	867.8
145°	908.2	907.8	907.5	907.1	906.8	906.4	905.6	904.4	903.2	901.9	900.7
147.5°	937.3	937.0	936.6	936.3	935.9	935.6	935.0	934.1	933.3	932.6	931.8
150°	955.1	954.8	954.4	954.1	953.7	953.4	952.9	952.4	951.9	951.3	950.9
152.5°	970.7	970.1	969.9	969.6	969.5	969.2	969.0	968.8	968.5	968.3	968.0
155°	992.3	991.4	991.3	991.0	990.9	990.7	990.8	991.2	991.5	991.8	992.2
157.5°	1011.1	1010.0	1010.2	1010.3	1010.6	1010.7	1010.8	1010.9	1010.9	1011.0	1011.0
160°	1021.9	1020.9	1021.0	1021.2	1021.4	1021.5	1021.8	1021.9	1022.1	1022.2	1022.5
162.5°	1031.6	1030.4	1030.5	1030.8	1030.9	1031.1	1031.4	1031.9	1032.4	1032.8	1033.2
165°	1044.6	1043.1	1043.3	1043.5	1043.6	1043.9	1044.2	1044.7	1045.3	1045.8	1046.3
167.5°	1054.7	1053.3	1053.3	1053.3	1053.3	1053.3	1053.7	1054.4	1055.1	1055.8	1056.5
170°	1060.4	1059.1	1059.1	1059.1	1059.1	1059.1	1059.4	1060.1	1060.8	1061.5	1062.2
172.5°	1064.3	1062.9	1062.7	1062.6	1062.4	1062.3	1062.6	1063.5	1064.4	1065.2	1066.0
175°	1069.1	1067.8	1067.6	1067.5	1067.2	1067.1	1067.5	1068.3	1069.2	1070.1	1071.0
177.5°	1070.9	1069.7	1069.5	1069.4	1069.3	1069.1	1069.4	1070.2	1070.9	1071.5	1072.2
180°	1071.0	1071.0	1071.0	1071.0	1071.0	1071.0	1071.0	1071.0	1071.0	1071.0	1071.0



TEST NUMBER: P332132-927

CATALOG NUMBER: S123DIW-S560D1030U927-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	626.2	626.2	626.2	626.2	626.2	626.2	626.2	626.2	626.2	626.2	626.2
2.5°	630.1	631.3	635.4	638.3	641.7	643.7	645.6	647.1	649.0	649.5	656.6
5°	632.9	639.0	649.6	657.4	667.2	677.8	685.1	688.4	697.2	704.5	719.1
7.5°	632.1	645.0	661.1	677.7	695.5	712.0	726.4	743.3	755.4	773.6	791.5
10°	631.4	648.6	669.3	690.5	715.4	738.5	759.1	782.2	801.3	826.5	848.0
12.5°	629.2	650.1	678.7	703.9	734.1	765.9	796.5	826.1	843.0	884.9	904.8
15°	623.8	648.6	684.4	722.7	764.3	801.9	840.7	871.6	921.7	958.5	981.8
17.5°	613.5	648.3	690.8	736.9	787.4	837.0	881.0	928.0	981.1	1025.5	1072.9
20°	608.6	646.8	694.2	745.1	797.6	853.7	903.8	960.3	1018.2	1061.9	1122.6
22.5°	599.7	642.9	694.0	750.8	806.8	864.9	923.5	980.4	1047.3	1107.6	1165.3
25°	584.9	633.5	686.3	749.7	815.6	873.8	943.9	1019.5	1089.3	1166.6	1224.2
27.5°	569.6	621.4	674.3	733.2	804.1	873.2	961.4	1046.7	1132.0	1198.9	1241.5
30°	557.6	608.0	662.7	722.1	792.2	874.4	973.0	1066.1	1149.3	1206.7	1230.6
32.5°	544.8	595.9	644.2	706.5	781.3	873.7	980.3	1077.5	1150.2	1188.4	1183.8
35°	524.6	567.4	614.4	674.5	762.5	868.3	984.5	1078.6	1123.2	1115.0	1053.1
37.5°	495.4	531.5	577.7	643.5	740.6	857.1	976.0	1046.6	1043.7	977.0	887.3
40°	477.3	507.9	552.5	621.7	723.6	849.9	962.7	1008.5	969.7	876.5	769.1
42.5°	453.4	481.6	526.2	597.4	705.0	835.0	937.2	950.5	874.5	767.3	668.9
45°	416.6	441.5	487.6	561.0	676.9	802.8	875.0	842.6	740.3	629.5	554.6
47.5°	376.9	402.8	447.2	522.6	636.4	754.3	788.7	719.7	614.7	524.9	456.1
50°	352.0	376.8	420.2	496.4	609.0	714.5	728.8	639.6	543.1	464.2	407.7
52.5°	326.7	350.1	392.8	469.2	576.9	668.4	659.6	568.7	480.0	412.7	368.4
55°	289.1	311.3	352.0	423.6	521.6	594.1	562.2	475.5	402.0	349.8	316.2
57.5°	255.6	276.8	311.8	376.5	461.7	511.5	471.0	397.9	339.5	299.4	274.3
60°	232.7	251.5	284.9	345.0	419.0	456.9	416.8	352.3	303.1	270.9	248.5
62.5°	211.1	227.5	258.4	312.9	377.2	409.1	368.6	313.9	272.0	243.5	224.4
65°	178.4	193.3	220.5	263.1	315.8	337.1	302.2	257.9	225.5	204.2	191.5
67.5°	148.5	161.1	184.7	218.2	257.1	272.5	246.0	211.7	187.2	170.2	160.0
70°	128.7	139.6	158.0	186.9	222.1	233.9	209.1	180.9	163.0	149.2	139.9
72.5°	111.9	119.9	136.7	159.0	188.4	197.7	180.4	155.6	138.9	128.7	121.2
75°	85.2	91.9	102.8	120.7	141.1	146.6	133.5	118.0	106.8	99.5	93.7
77.5°	61.5	66.4	74.3	85.3	99.4	104.3	96.1	85.7	77.6	72.6	69.4
80°	46.4	50.4	57.0	66.1	74.6	77.4	72.5	64.6	58.9	56.2	53.4
82.5°	34.3	36.5	40.6	46.7	52.5	55.8	51.7	46.9	43.8	41.4	40.3
85°	17.3	18.5	20.4	22.7	26.4	27.6	26.1	24.9	23.1	21.5	21.5
87.5°	6.8	7.2	8.2	9.1	10.5	11.6	11.9	11.9	12.0	12.0	11.9
90°	2.5	4.4	6.1	7.8	9.9	12.2	14.5	16.8	19.1	19.8	20.5
92.5°	14.3	13.8	13.3	12.8	13.5	15.2	16.9	18.6	20.4	21.5	22.7
95°	41.3	34.1	26.8	19.6	16.9	18.9	20.8	22.7	24.6	25.9	27.2
97.5°	94.3	91.0	87.8	84.5	76.5	63.8	51.1	38.3	25.6	27.0	28.4
100°	138.0	141.6	145.0	148.6	136.6	109.0	81.4	53.9	26.2	27.6	29.1
102.5°	179.0	181.6	184.1	186.6	172.9	142.8	112.6	82.5	52.4	48.0	43.6
105°	239.1	241.0	243.0	244.9	237.9	222.0	206.0	190.2	174.3	143.0	111.7
107.5°	302.6	304.2	305.8	307.3	309.3	311.9	314.3	316.9	319.4	296.4	273.5
110°	345.2	346.6	348.0	349.4	351.1	353.0	355.0	356.9	358.9	353.0	347.2



TEST NUMBER: P332132-927

CATALOG NUMBER: S123DIW-S560D1030U927-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	385.7	387.0	388.3	389.6	391.2	393.1	395.1	397.0	398.9	399.0	399.2
115°	445.8	446.9	448.0	449.0	450.4	451.9	453.5	455.1	456.7	458.5	460.3
117.5°	504.5	505.8	507.1	508.4	509.5	510.3	511.1	511.9	512.7	514.1	515.6
120°	541.1	542.6	544.2	545.8	546.9	547.4	548.0	548.5	549.0	550.4	551.8
122.5°	577.7	579.0	580.3	581.6	582.6	583.3	583.9	584.6	585.3	586.3	587.2
125°	628.4	629.8	631.2	632.6	633.7	634.4	635.1	635.8	636.5	636.9	637.2
127.5°	677.4	678.8	680.2	681.7	682.8	683.7	684.5	685.3	686.2	686.7	687.3
130°	708.0	709.4	710.8	712.3	713.3	714.0	714.7	715.4	716.1	716.8	717.6
132.5°	737.3	738.6	740.1	741.5	742.5	743.1	743.6	744.2	744.7	745.4	746.2
135°	781.6	782.7	783.7	784.8	785.7	786.4	787.1	787.8	788.5	789.0	789.6
137.5°	820.1	821.4	822.8	824.1	825.0	825.4	825.8	826.2	826.6	827.4	828.2
140°	845.3	846.4	847.4	848.4	849.2	849.8	850.3	850.8	851.4	852.1	852.8
142.5°	868.8	869.9	870.9	872.0	872.8	873.3	873.9	874.4	874.9	875.5	876.1
145°	901.9	903.2	904.4	905.6	906.4	906.8	907.1	907.5	907.8	908.2	908.6
147.5°	932.6	933.3	934.1	935.0	935.6	935.9	936.3	936.6	937.0	937.3	937.7
150°	951.3	951.9	952.4	952.9	953.4	953.7	954.1	954.4	954.8	955.1	955.5
152.5°	968.3	968.5	968.8	969.0	969.2	969.5	969.6	969.9	970.1	970.7	971.4
155°	991.8	991.5	991.2	990.8	990.7	990.9	991.0	991.3	991.4	992.3	993.2
157.5°	1011.0	1010.9	1010.9	1010.8	1010.7	1010.6	1010.3	1010.2	1010.0	1011.1	1012.2
160°	1022.2	1022.1	1021.9	1021.8	1021.5	1021.4	1021.2	1021.0	1020.9	1021.9	1022.9
162.5°	1032.8	1032.4	1031.9	1031.4	1031.1	1030.9	1030.8	1030.5	1030.4	1031.6	1032.8
165°	1045.8	1045.3	1044.7	1044.2	1043.9	1043.6	1043.5	1043.3	1043.1	1044.6	1045.9
167.5°	1055.8	1055.1	1054.4	1053.7	1053.3	1053.3	1053.3	1053.3	1053.3	1054.7	1056.1
170°	1061.5	1060.8	1060.1	1059.4	1059.1	1059.1	1059.1	1059.1	1059.1	1060.4	1061.8
172.5°	1065.2	1064.4	1063.5	1062.6	1062.3	1062.4	1062.6	1062.7	1062.9	1064.3	1065.7
175°	1070.1	1069.2	1068.3	1067.5	1067.1	1067.2	1067.5	1067.6	1067.8	1069.1	1070.2
177.5°	1071.5	1070.9	1070.2	1069.4	1069.1	1069.3	1069.4	1069.5	1069.7	1070.9	1072.0
180°	1071.0	1071.0	1071.0	1071.0	1071.0	1071.0	1071.0	1071.0	1071.0	1071.0	1071.0



TEST NUMBER: P332132-927

CATALOG NUMBER: S123DIW-S560D1030U927-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	626.2	626.2	626.2	626.2	626.2	626.2	626.2
2.5°	659.0	659.3	661.9	663.8	662.9	664.1	664.6
5°	719.9	730.9	736.7	740.9	741.2	741.5	743.9
7.5°	806.4	818.2	826.7	839.7	843.6	848.0	846.8
10°	869.6	886.8	901.7	909.6	918.1	930.5	920.5
12.5°	928.5	959.2	981.8	994.0	1002.1	1004.6	999.7
15°	1025.8	1065.9	1087.4	1086.8	1114.1	1125.9	1107.4
17.5°	1115.0	1152.0	1181.5	1196.7	1219.5	1224.6	1222.3
20°	1169.6	1210.0	1233.0	1259.1	1271.0	1281.6	1283.4
22.5°	1216.7	1252.9	1277.7	1299.4	1309.3	1314.3	1317.4
25°	1265.2	1293.7	1308.6	1316.1	1318.9	1318.3	1314.3
27.5°	1261.9	1264.0	1247.7	1231.6	1217.2	1200.9	1195.4
30°	1229.1	1203.6	1158.1	1132.3	1094.4	1064.3	1076.5
32.5°	1142.9	1092.2	1041.1	984.7	938.0	924.8	911.4
35°	975.4	886.2	834.1	773.4	749.1	724.8	708.1
37.5°	789.2	720.2	658.2	618.5	594.2	578.9	570.6
40°	682.4	620.1	569.2	537.0	518.5	501.2	498.8
42.5°	597.1	539.3	501.0	475.4	457.6	450.3	444.9
45°	489.1	448.7	422.9	404.7	392.9	388.3	382.3
47.5°	414.0	385.5	366.1	353.7	344.8	341.4	340.9
50°	372.0	348.3	334.1	324.3	317.3	316.2	311.3
52.5°	340.4	319.9	308.8	300.3	295.2	291.8	290.4
55°	295.5	281.9	271.9	267.0	263.1	259.7	259.7
57.5°	258.6	247.2	240.5	236.4	235.2	232.8	231.3
60°	235.8	226.0	220.9	217.2	214.8	215.1	212.4
62.5°	213.4	207.1	202.2	198.5	195.7	195.7	195.9
65°	181.7	176.9	173.3	172.1	170.2	168.1	168.7
67.5°	154.0	149.5	146.6	144.6	143.9	142.8	144.6
70°	134.1	130.8	128.7	126.8	126.2	126.5	128.0
72.5°	115.9	113.5	112.2	111.3	110.0	110.0	111.1
75°	91.0	89.2	88.0	87.1	86.7	86.7	86.7
77.5°	66.9	66.5	65.9	64.6	64.6	65.0	65.0
80°	52.8	51.9	51.6	50.9	50.1	49.4	50.9
82.5°	39.5	38.5	38.3	38.1	36.7	36.6	37.9
85°	21.2	20.4	20.6	20.4	20.4	20.0	20.0
87.5°	11.8	11.6	11.6	11.9	11.6	11.5	12.0
90°	21.2	21.9	22.4	22.8	23.1	23.5	23.8
92.5°	23.8	24.9	25.6	25.7	26.0	26.2	26.4
95°	28.4	29.6	30.3	30.3	30.3	30.3	30.3
97.5°	29.9	31.3	32.1	32.2	32.4	32.6	32.8
100°	30.5	31.9	32.7	32.9	33.0	33.3	33.4
102.5°	39.2	34.8	32.8	33.1	33.4	33.7	34.1
105°	80.3	49.0	33.6	34.0	34.3	34.6	35.0
107.5°	250.6	227.6	204.3	180.7	157.2	133.6	110.0
110°	341.4	335.5	320.0	294.7	269.3	244.1	218.8



TEST NUMBER: P332132-927

CATALOG NUMBER: S123DIW-S560D1030U927-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
112.5°	399.3	399.3	396.7	391.4	386.1	380.7	375.4
115°	462.0	463.8	465.0	465.7	466.4	467.1	467.9
117.5°	517.0	518.4	519.2	519.3	519.4	519.6	519.8
120°	553.3	554.7	555.4	555.4	555.4	555.4	555.4
122.5°	588.3	589.2	589.9	589.9	590.1	590.3	590.4
125°	637.6	637.9	638.3	638.7	639.0	639.4	639.7
127.5°	687.9	688.5	688.6	688.2	687.9	687.5	687.1
130°	718.2	718.9	719.1	718.7	718.4	718.0	717.7
132.5°	746.9	747.6	747.7	747.2	746.7	746.2	745.7
135°	790.1	790.6	790.6	790.1	789.6	789.0	788.5
137.5°	829.1	830.0	830.2	829.8	829.5	829.1	828.8
140°	853.5	854.2	854.4	854.1	853.7	853.3	852.9
142.5°	876.6	877.2	877.2	876.7	876.2	875.8	875.2
145°	908.9	909.3	909.4	909.4	909.4	909.4	909.4
147.5°	938.0	938.4	938.2	937.4	936.5	935.7	934.9
150°	955.8	956.2	956.2	955.6	955.1	954.6	954.0
152.5°	972.0	972.6	972.6	971.7	970.9	970.1	969.3
155°	994.0	995.0	994.8	993.8	992.8	991.7	990.6
157.5°	1013.2	1014.2	1014.1	1012.7	1011.4	1010.0	1008.6
160°	1024.1	1025.1	1025.0	1023.7	1022.5	1021.3	1020.0
162.5°	1034.0	1035.2	1035.2	1034.2	1033.1	1032.0	1030.9
165°	1047.3	1048.8	1048.8	1047.7	1046.4	1045.1	1043.9
167.5°	1057.6	1059.0	1059.0	1057.6	1056.1	1054.7	1053.3
170°	1063.3	1064.7	1064.7	1063.3	1061.8	1060.4	1059.1
172.5°	1067.1	1068.5	1068.4	1066.9	1065.3	1063.7	1062.2
175°	1071.5	1072.8	1072.7	1071.3	1069.8	1068.4	1067.0
177.5°	1073.1	1074.2	1074.1	1072.7	1071.3	1069.8	1068.4
180°	1071.0	1071.0	1071.0	1071.0	1071.0	1071.0	1071.0

(END OF REPORT)