

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: P333383-935

Luminaire Tested: **S125DIW-S610D1050U935-4F0-1E-UDD-A1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P333383-935
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1807-864-11,
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: NEO-RAY
Catalog Number: S125DIW-S610D1050U935-4F0-1E-UDD-A1
Description: DEFINE 5 DIRECT-INDIRECT WALL MOUNT LED LUMINAIRE
DOWNLIGHT 610 LUMENS PER FOOT, ASYMMETRIC DIFFUSER
UPLIGHT 1050 LUMENS PER FOOT, FLUSH SATIN WHITE DIFFUSER
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5305.1 lumens
Efficiency: N/A
Efficacy: 117.4 lumens/watt
Spacing Criteria (0/90/45): 1.43 / 1.23 / 1.52
Luminous Opening: Rectangular (W 4' x L: 0.42' x H: 0')
CIE Type: General Diffuse

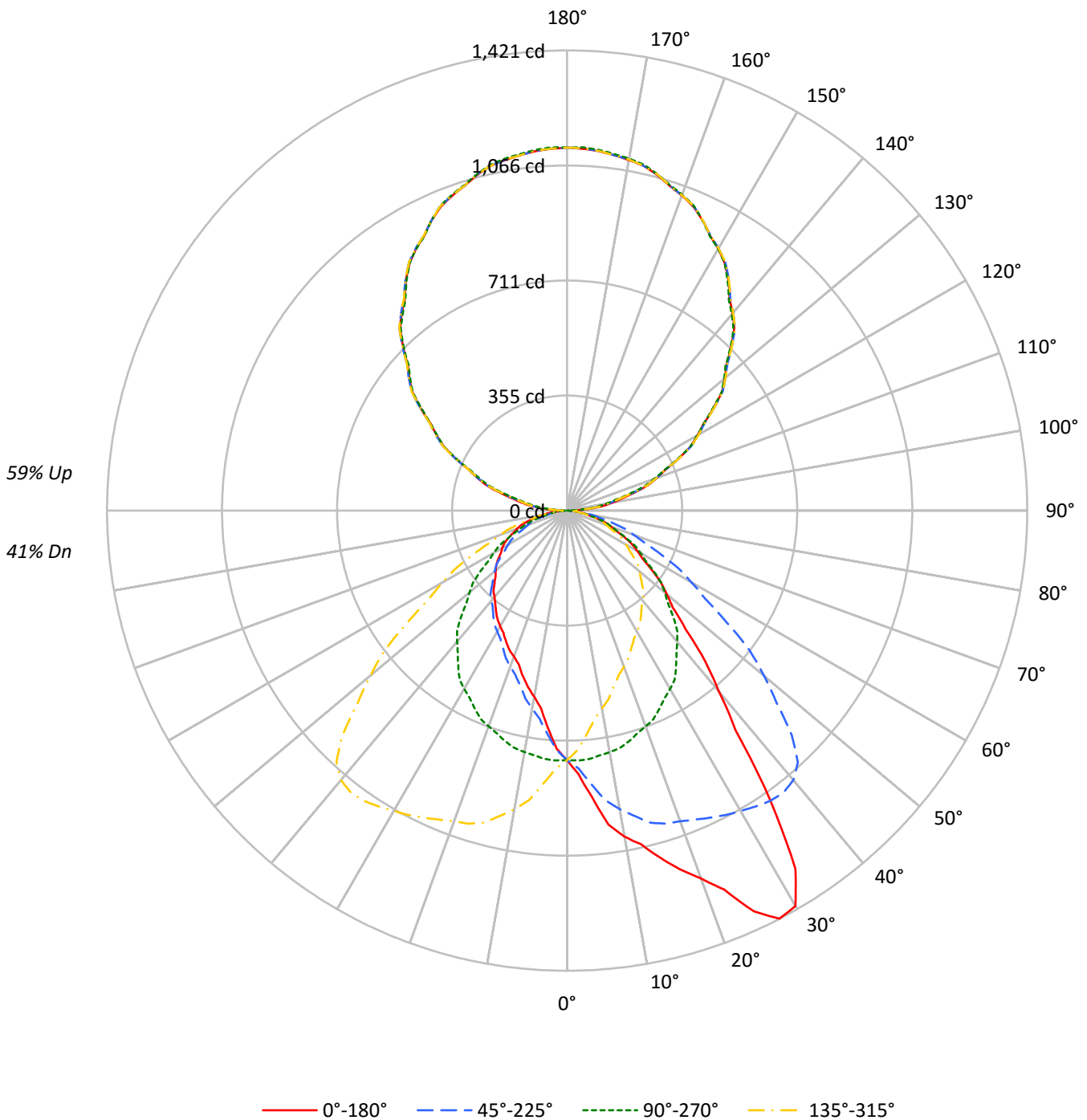
Input Watts (W): 45.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Luminous Intensity Polar Plot





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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	105	105	105	105	96	96	96	96	78	78	78	62	62	62	48	48	48	41
1	96	92	88	85	87	84	81	78	69	67	65	55	54	52	43	42	41	35
2	87	80	74	69	80	73	68	64	61	57	54	49	46	44	38	36	35	30
3	80	71	64	58	73	65	59	54	54	49	45	43	40	37	34	31	30	25
4	73	63	55	49	66	57	51	46	48	43	39	38	35	32	30	28	26	22
5	67	56	48	42	61	51	44	39	43	37	33	35	31	28	27	24	22	19
6	62	50	42	36	56	46	39	34	38	33	29	31	27	24	25	22	20	17
7	57	45	37	32	52	41	35	30	35	29	26	28	24	21	22	20	17	15
8	53	41	33	28	48	38	31	26	32	26	23	26	22	19	21	18	16	13
9	49	37	30	25	45	34	28	23	29	24	20	24	20	17	19	16	14	12
10	46	34	27	22	42	31	25	21	27	22	18	22	18	15	18	15	13	11

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	4977	4977	4977	4977
5°	5763	4994	4372	4994
10°	6705	4968	3831	4968
15°	7422	4931	3534	4931
20°	8308	4874	3296	4874
25°	9733	4809	3180	4809
30°	10513	4744	3078	4744
35°	8643	4623	3012	4623
40°	6144	4457	2939	4457
45°	4720	4230	2898	4230
50°	4029	3950	2892	3950
55°	3587	3675	2917	3675
60°	3237	3375	2992	3375
65°	2989	3073	3069	3073
70°	2717	2761	3114	2761
75°	2400	2433	3084	2433
80°	2020	1982	2823	1982
85°	1601	1430	2275	1430



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	74.2	1.4
10°-20°	220.9	4.2
20°-30°	358.6	6.8
30°-40°	437.5	8.2
40°-50°	398.0	7.5
50°-60°	317.0	6.0
60°-70°	220.8	4.2
70°-80°	117.7	2.2
80°-90°	32.2	0.6
90°-100°	75.1	1.4
100°-110°	221.7	4.2
110°-120°	375.6	7.1
120°-130°	494.3	9.3
130°-140°	553.8	10.4
140°-150°	542.8	10.2
150°-160°	455.9	8.6
160°-170°	303.0	5.7
170°-180°	106.1	2.0
0°-30°	653.7	12.3
0°-40°	1091.2	20.6
0°-60°	1806.2	34.0
0°-90°	2176.9	41.0
90°-120°	672.4	12.7
90°-150°	2263.2	42.7
90°-180°	3128.0	59.0
0°-180°	5305.1	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	771	771	771	771	771	
5°	889	770	674	770	889	90
15°	1110	738	529	738	1110	318
25°	1366	675	446	675	1366	624
35°	1096	586	382	586	1096	671
45°	517	463	317	463	517	414
55°	319	326	259	326	319	287
65°	196	201	201	201	196	194
75°	96	98	124	98	96	104
85°	22	19	31	19	22	25
90°	21	1	21	1	21	13
95°	75	57	75	57	75	76
105°	216	199	216	199	216	229
115°	380	376	380	376	380	375
125°	552	549	552	549	552	493
135°	716	714	716	714	716	553
145°	868	864	868	864	868	542
155°	989	989	989	989	989	455
165°	1073	1076	1073	1076	1073	302
175°	1114	1118	1114	1118	1114	106
180°	1121	1121	1121	1121	1121	



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	770.6	770.6	770.6	770.6	770.6	770.6	770.6	770.6	770.6	770.6	770.6
2.5°	815.1	814.0	813.0	810.9	812.4	808.0	805.9	802.3	797.8	796.3	794.4
5°	889.0	890.6	892.3	885.4	886.1	881.5	871.0	862.5	855.7	846.8	840.6
7.5°	977.9	974.0	973.8	969.3	961.7	955.5	944.5	930.5	917.0	901.6	888.8
10°	1022.4	1022.8	1019.9	1014.6	1006.4	1000.5	986.1	972.4	955.7	936.1	922.0
12.5°	1055.9	1057.3	1053.6	1046.5	1042.5	1029.3	1018.0	1001.7	981.9	966.2	944.8
15°	1110.1	1106.5	1103.9	1095.0	1088.1	1074.4	1056.4	1039.4	1017.9	997.9	977.9
17.5°	1162.3	1165.2	1160.3	1152.2	1130.9	1114.8	1090.7	1067.5	1040.5	1013.8	990.0
20°	1208.8	1211.5	1203.9	1189.9	1164.4	1148.3	1116.6	1086.5	1055.5	1021.1	995.0
22.5°	1267.0	1264.9	1254.7	1233.3	1211.3	1181.6	1147.3	1110.6	1071.7	1032.9	998.1
25°	1365.9	1352.1	1345.9	1319.4	1290.3	1246.8	1199.7	1146.1	1097.7	1046.3	1001.9
27.5°	1420.6	1416.3	1409.5	1390.9	1360.4	1313.9	1258.4	1193.0	1124.6	1059.9	1001.6
30°	1409.7	1410.3	1411.0	1405.1	1385.5	1350.5	1295.2	1224.9	1143.8	1070.8	1003.5
32.5°	1312.3	1324.2	1335.7	1349.1	1354.6	1347.9	1313.3	1249.7	1166.3	1083.4	1002.4
35°	1096.3	1099.9	1137.0	1173.5	1223.2	1261.9	1287.7	1259.6	1189.2	1094.1	1001.2
37.5°	854.8	872.5	898.1	939.5	1011.2	1075.5	1158.1	1196.1	1173.4	1097.5	998.8
40°	728.8	745.1	761.7	803.9	864.4	942.3	1036.1	1116.3	1135.0	1086.5	991.0
42.5°	631.4	644.4	662.9	694.6	745.1	814.1	903.8	1008.5	1072.9	1054.6	974.6
45°	516.8	525.0	539.3	564.6	601.2	655.1	734.3	848.8	948.5	981.5	935.4
47.5°	442.3	442.3	453.5	470.9	497.3	543.1	601.7	691.4	797.9	876.8	873.1
50°	401.0	399.3	408.2	423.3	444.2	474.6	530.5	602.2	704.6	793.8	818.6
52.5°	365.4	365.6	371.0	382.1	399.7	425.7	467.4	532.0	619.5	711.1	757.9
55°	318.6	317.3	323.5	331.0	343.8	360.8	390.9	440.2	511.2	601.5	662.3
57.5°	275.7	279.2	281.7	287.0	297.6	308.9	334.3	370.6	426.9	504.4	568.7
60°	250.6	254.2	256.1	261.3	269.8	279.7	299.3	328.7	376.2	442.9	506.6
62.5°	228.0	230.8	231.5	236.2	243.1	252.7	268.1	292.8	330.4	388.7	451.2
65°	195.6	195.6	196.9	201.8	205.1	213.6	225.3	243.3	273.5	318.9	372.2
67.5°	164.3	165.9	165.6	167.7	170.7	177.4	185.8	200.6	222.9	256.1	298.8
70°	143.9	145.3	144.9	146.5	149.8	154.0	160.9	175.0	191.0	219.5	256.1
72.5°	125.6	126.1	125.3	127.4	129.4	133.1	140.8	148.3	163.2	187.3	217.4
75°	96.2	96.8	97.5	98.8	100.7	102.7	106.6	114.2	124.0	142.0	161.3
77.5°	72.1	70.9	72.4	72.2	73.4	74.8	78.3	82.3	90.3	101.7	116.7
80°	54.3	54.6	54.6	54.9	56.6	57.6	60.5	63.5	69.7	78.2	88.6
82.5°	39.6	40.5	40.0	40.6	41.9	42.6	44.3	46.7	50.3	57.0	64.6
85°	21.6	20.0	20.6	21.3	21.3	21.6	22.9	23.8	25.8	28.4	31.4
87.5°	10.5	10.8	11.0	10.9	11.0	10.9	11.7	11.5	12.1	12.7	13.5
90°	20.9	20.3	19.8	19.2	18.6	17.8	16.9	15.9	14.9	13.9	12.6
92.5°	41.2	40.7	40.3	39.9	39.4	38.7	37.4	36.1	34.8	33.5	31.9
95°	75.0	74.6	74.2	73.9	73.4	72.6	71.2	69.9	68.5	67.2	65.3
97.5°	113.7	113.6	113.3	113.0	112.8	112.1	110.8	109.5	108.2	106.9	104.3
100°	143.1	142.7	142.3	141.9	141.5	140.4	138.7	137.0	135.3	133.5	131.0
102.5°	172.4	171.9	171.3	170.7	170.2	169.0	167.1	165.2	163.3	161.4	160.1
105°	216.4	215.8	215.2	214.6	214.0	213.2	212.0	210.9	209.7	208.5	207.3
107.5°	261.4	261.4	261.5	261.5	261.6	261.2	260.7	260.1	259.5	258.9	258.0
110°	294.9	295.1	295.2	295.5	295.7	295.5	294.9	294.3	293.7	293.2	292.6



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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	327.7	328.0	328.4	328.7	329.1	329.1	328.8	328.6	328.3	328.0	327.3
115°	379.5	379.7	379.9	380.0	380.3	380.5	380.6	380.8	381.1	381.3	380.8
117.5°	430.1	430.8	431.6	432.4	433.2	433.5	433.3	433.2	433.1	432.9	432.6
120°	465.0	465.8	466.6	467.4	468.1	468.5	468.5	468.5	468.5	468.5	468.3
122.5°	499.9	500.5	501.1	501.8	502.4	502.7	502.9	503.1	503.3	503.4	502.9
125°	552.2	552.4	552.6	552.8	553.0	553.3	553.7	554.1	554.5	554.8	554.7
127.5°	602.5	602.9	603.3	603.6	604.1	604.3	604.5	604.7	604.9	605.1	604.9
130°	636.0	636.4	636.8	637.1	637.6	637.8	638.0	638.3	638.4	638.6	638.3
132.5°	667.4	668.0	668.5	669.0	669.6	669.9	670.1	670.3	670.5	670.7	670.8
135°	716.3	717.0	717.8	718.6	719.4	719.7	719.7	719.7	719.7	719.7	719.5
137.5°	764.1	765.0	766.0	767.0	767.9	768.3	768.1	767.8	767.6	767.4	767.0
140°	794.8	795.7	796.7	797.7	798.7	798.9	798.6	798.1	797.8	797.4	796.8
142.5°	824.1	825.1	826.0	827.0	827.9	828.4	828.1	827.9	827.6	827.4	826.6
145°	868.1	868.7	869.2	869.8	870.4	870.6	870.6	870.6	870.6	870.6	870.1
147.5°	905.6	906.9	908.2	909.6	910.9	911.3	910.8	910.3	909.9	909.4	909.0
150°	933.5	933.8	934.3	934.6	935.0	935.2	935.2	935.2	935.2	935.2	934.4
152.5°	956.5	957.2	957.9	958.6	959.3	959.4	959.0	958.5	958.0	957.6	957.3
155°	989.3	990.3	991.3	992.2	993.2	993.3	992.6	991.8	991.0	990.2	990.0
157.5°	1016.8	1018.0	1019.3	1020.5	1021.8	1022.1	1021.3	1020.5	1019.8	1019.0	1018.8
160°	1035.5	1036.6	1037.5	1038.5	1039.4	1039.6	1038.8	1038.0	1037.2	1036.5	1036.2
162.5°	1051.6	1052.7	1053.9	1055.0	1056.1	1056.2	1055.2	1054.4	1053.4	1052.5	1052.5
165°	1073.1	1074.3	1075.4	1076.6	1077.7	1077.9	1077.1	1076.3	1075.6	1074.8	1074.6
167.5°	1090.2	1091.4	1092.6	1093.8	1095.0	1095.0	1093.8	1092.7	1091.5	1090.4	1090.4
170°	1099.2	1100.6	1102.0	1103.3	1104.7	1104.7	1103.6	1102.4	1101.3	1100.1	1100.1
172.5°	1106.9	1108.1	1109.3	1110.5	1111.7	1111.7	1110.6	1109.4	1108.3	1107.1	1107.1
175°	1114.0	1115.4	1116.8	1118.2	1119.5	1119.6	1118.4	1117.2	1116.1	1114.9	1114.9
177.5°	1118.3	1119.4	1120.4	1121.5	1122.6	1122.7	1121.8	1120.8	1119.9	1119.0	1119.1
180°	1121.0	1121.0	1121.0	1121.0	1121.0	1121.0	1121.0	1121.0	1121.0	1121.0	1121.0



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CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	770.6	770.6	770.6	770.6	770.6	770.6	770.6	770.6	770.6	770.6	770.6
2.5°	792.8	791.0	788.9	785.2	780.8	778.4	774.8	772.4	767.7	763.8	759.6
5°	833.0	824.6	816.7	806.6	795.5	788.2	779.7	770.3	760.4	750.3	739.2
7.5°	874.7	859.7	843.3	825.7	808.6	792.7	777.6	762.8	748.9	732.1	717.9
10°	902.8	883.7	863.5	839.6	816.4	796.1	775.5	757.5	739.2	719.5	702.2
12.5°	930.7	905.4	876.8	850.6	822.7	798.2	774.0	751.0	728.0	706.2	686.0
15°	950.5	928.2	901.7	864.4	833.0	799.4	767.3	737.5	709.7	685.5	660.0
17.5°	963.5	934.9	906.4	870.6	829.5	791.8	755.4	721.4	690.1	659.4	634.8
20°	965.9	936.4	906.6	871.7	829.5	786.3	750.0	709.1	675.4	643.7	613.5
22.5°	965.1	931.7	899.3	863.2	822.2	782.4	738.5	696.8	660.2	629.0	597.6
25°	957.7	922.0	881.5	845.2	804.6	762.4	717.9	674.8	637.5	601.8	570.8
27.5°	951.5	905.3	859.4	817.0	777.8	739.2	696.6	652.4	611.1	574.9	545.6
30°	943.9	893.2	841.5	797.4	757.2	719.5	679.3	636.2	593.0	557.7	526.2
32.5°	937.1	878.0	823.5	775.4	732.9	696.3	659.2	618.1	575.8	539.8	508.5
35°	924.0	855.7	793.2	738.8	693.4	655.8	624.7	586.4	547.5	512.8	482.8
37.5°	907.3	826.2	759.1	702.2	652.4	612.8	583.8	554.5	517.1	483.7	456.5
40°	894.2	805.3	734.3	676.1	624.4	583.2	556.4	528.6	497.5	466.4	437.6
42.5°	877.7	786.4	709.1	646.5	595.4	555.2	527.0	503.4	476.0	447.0	420.3
45°	847.5	752.3	668.6	601.2	549.5	509.9	480.8	463.1	442.6	415.1	392.5
47.5°	802.9	711.3	624.7	555.1	501.8	465.1	437.8	420.9	406.4	386.0	365.5
50°	763.4	680.6	593.0	524.0	470.6	433.7	408.5	393.1	380.7	365.0	347.7
52.5°	719.2	642.1	561.9	493.6	440.8	404.4	379.7	366.2	355.9	344.6	327.5
55°	648.9	583.5	508.9	444.2	395.5	359.8	338.2	326.4	317.9	309.4	298.9
57.5°	571.5	520.4	454.3	395.1	350.3	317.8	297.6	286.2	279.6	275.2	269.1
60°	517.1	473.3	416.4	362.4	318.6	289.8	270.2	261.3	255.8	252.2	247.6
62.5°	466.6	430.6	377.9	328.6	290.3	263.1	245.6	237.0	231.7	230.0	226.1
65°	392.2	364.4	320.9	280.0	247.3	224.0	209.3	201.1	197.9	195.9	196.2
67.5°	318.8	301.9	267.0	232.1	206.0	186.5	174.7	168.4	166.8	164.2	164.1
70°	274.1	261.3	231.9	201.5	178.2	163.2	152.7	146.2	144.6	143.3	142.9
72.5°	234.5	223.4	197.9	173.5	152.7	139.4	130.8	126.8	124.2	123.4	123.3
75°	176.3	170.0	149.8	130.5	116.1	106.9	101.1	97.5	95.5	95.1	95.5
77.5°	125.4	119.9	107.0	93.3	84.3	77.3	72.3	71.1	68.9	69.0	68.6
80°	94.2	90.6	82.4	71.6	64.1	58.2	55.6	53.3	52.7	51.7	52.7
82.5°	68.3	64.4	58.9	52.0	45.8	42.3	39.6	38.9	38.5	38.1	38.2
85°	33.7	34.0	30.7	25.5	22.9	20.9	19.3	19.3	18.9	18.7	18.9
87.5°	13.8	13.0	11.6	10.6	9.0	7.8	7.3	7.2	6.8	6.8	7.4
90°	11.3	9.9	8.5	7.1	5.5	4.0	2.4	0.9	2.4	4.0	5.5
92.5°	30.1	28.5	26.9	25.5	24.4	23.2	22.2	21.1	22.2	23.2	24.4
95°	63.3	61.4	59.4	58.3	57.9	57.5	57.1	56.7	57.1	57.5	57.9
97.5°	101.6	98.9	96.3	94.9	94.7	94.5	94.4	94.2	94.4	94.5	94.7
100°	128.5	125.9	123.4	122.2	122.2	122.2	122.2	122.2	122.2	122.2	122.2
102.5°	158.9	157.6	156.3	155.2	154.5	153.7	152.9	152.1	152.9	153.7	154.5
105°	206.2	205.0	203.9	202.8	201.8	200.9	199.8	198.9	199.8	200.9	201.8
107.5°	257.2	256.2	255.4	254.4	253.5	252.5	251.5	250.6	251.5	252.5	253.5
110°	292.0	291.4	290.8	290.1	289.0	288.1	287.1	286.1	287.1	288.1	289.0



TEST NUMBER: P333383-935

CATALOG NUMBER: S125DIW-S610D1050U935-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	326.6	325.8	325.1	324.4	324.0	323.5	323.0	322.4	323.0	323.5	324.0
115°	380.5	380.0	379.7	379.1	378.3	377.5	376.8	376.0	376.8	377.5	378.3
117.5°	432.2	431.9	431.5	431.2	430.8	430.4	430.1	429.7	430.1	430.4	430.8
120°	468.1	467.9	467.7	467.1	466.1	465.2	464.3	463.2	464.3	465.2	466.1
122.5°	502.4	501.9	501.4	500.9	500.6	500.2	499.9	499.6	499.9	500.2	500.6
125°	554.5	554.3	554.1	553.4	552.2	551.0	549.9	548.7	549.9	551.0	552.2
127.5°	604.7	604.4	604.2	603.7	603.0	602.4	601.8	601.1	601.8	602.4	603.0
130°	637.8	637.5	637.1	636.4	635.4	634.5	633.4	632.5	633.4	634.5	635.4
132.5°	670.9	671.0	671.1	670.3	668.7	667.1	665.5	663.9	665.5	667.1	668.7
135°	719.4	719.2	718.9	718.3	717.1	715.9	714.8	713.6	714.8	715.9	717.1
137.5°	766.5	766.1	765.7	764.9	763.8	762.7	761.6	760.4	761.6	762.7	763.8
140°	796.3	795.7	795.0	794.3	793.3	792.4	791.3	790.4	791.3	792.4	793.3
142.5°	826.0	825.2	824.5	823.7	822.9	822.1	821.2	820.4	821.2	822.1	822.9
145°	869.5	868.9	868.3	867.6	866.9	866.1	865.3	864.5	865.3	866.1	866.9
147.5°	908.4	908.0	907.6	907.1	906.6	906.3	905.9	905.4	905.9	906.3	906.6
150°	933.7	932.9	932.1	931.9	932.0	932.2	932.5	932.6	932.5	932.2	932.0
152.5°	956.9	956.7	956.3	956.1	955.8	955.5	955.2	954.9	955.2	955.5	955.8
155°	989.8	989.6	989.4	989.3	989.3	989.3	989.3	989.3	989.3	989.3	989.3
157.5°	1018.6	1018.4	1018.2	1018.3	1018.7	1019.2	1019.6	1020.0	1019.6	1019.2	1018.7
160°	1036.0	1035.9	1035.7	1035.9	1036.5	1037.0	1037.6	1038.2	1037.6	1037.0	1036.5
162.5°	1052.4	1052.4	1052.3	1052.5	1052.9	1053.3	1053.8	1054.2	1053.8	1053.3	1052.9
165°	1074.4	1074.3	1074.0	1074.1	1074.5	1074.9	1075.3	1075.7	1075.3	1074.9	1074.5
167.5°	1090.4	1090.4	1090.4	1090.7	1091.5	1092.3	1093.0	1093.8	1093.0	1092.3	1091.5
170°	1100.1	1100.1	1100.1	1100.5	1101.3	1102.1	1102.9	1103.6	1102.9	1102.1	1101.3
172.5°	1107.1	1107.1	1107.1	1107.5	1108.3	1109.1	1109.8	1110.6	1109.8	1109.1	1108.3
175°	1114.9	1114.9	1114.9	1115.3	1116.1	1116.9	1117.7	1118.4	1117.7	1116.9	1116.1
177.5°	1119.3	1119.4	1119.6	1120.0	1120.6	1121.2	1121.8	1122.5	1121.8	1121.2	1120.6
180°	1121.0	1121.0	1121.0	1121.0	1121.0	1121.0	1121.0	1121.0	1121.0	1121.0	1121.0



TEST NUMBER: P333383-935

CATALOG NUMBER: S125DIW-S610D1050U935-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	770.6	770.6	770.6	770.6	770.6	770.6	770.6	770.6	770.6	770.6	770.6
2.5°	757.2	754.3	752.0	746.7	743.9	739.9	736.8	740.2	736.6	738.1	735.8
5°	733.7	724.4	717.9	708.4	700.3	692.8	687.2	686.2	683.5	682.3	678.4
7.5°	705.2	693.8	682.5	670.1	659.6	649.0	642.1	636.5	632.8	627.9	624.6
10°	688.5	673.1	660.0	645.0	631.9	620.4	611.3	606.7	602.4	596.2	594.0
12.5°	667.8	651.9	635.9	619.8	607.3	594.5	586.7	579.8	576.9	569.8	569.1
15°	643.0	619.1	603.5	587.1	569.7	559.3	552.8	545.3	542.0	537.1	533.5
17.5°	613.5	592.1	572.5	555.6	540.7	531.9	523.7	518.6	513.0	509.8	503.9
20°	592.0	571.7	552.1	534.1	522.6	512.6	506.0	501.1	495.2	493.5	487.7
22.5°	573.9	551.6	532.7	517.6	505.1	493.7	486.6	483.3	479.2	474.2	473.0
25°	544.6	521.3	505.3	490.3	479.1	468.7	463.8	459.5	455.6	452.0	450.7
27.5°	519.2	498.4	479.4	465.8	456.2	446.6	442.3	437.1	434.2	431.4	427.8
30°	501.4	480.2	463.5	450.4	439.9	431.4	426.8	423.3	420.6	418.0	416.0
32.5°	483.1	463.4	447.2	434.5	424.0	417.6	413.5	411.0	408.0	404.9	402.4
35°	458.9	437.3	421.6	410.4	402.3	397.4	392.8	390.5	387.3	387.3	384.6
37.5°	431.6	412.9	399.1	388.9	381.6	377.2	372.3	370.7	368.6	367.2	366.4
40°	415.3	398.0	385.0	374.8	367.0	363.3	359.5	356.8	355.5	353.9	353.3
42.5°	398.6	382.1	369.5	360.2	353.4	350.3	346.6	344.8	342.2	340.0	339.7
45°	373.2	357.1	345.7	338.2	332.3	328.7	326.4	322.5	321.2	318.6	318.2
47.5°	349.0	333.6	322.4	316.2	311.1	308.2	304.5	300.7	299.1	297.8	297.7
50°	331.0	316.9	306.4	300.6	295.7	291.4	287.8	285.2	284.2	284.2	284.9
52.5°	312.7	300.7	291.8	284.6	280.0	275.4	272.2	270.5	269.1	270.6	271.8
55°	285.9	273.8	267.3	260.4	255.8	250.6	248.9	248.2	247.3	249.9	251.2
57.5°	257.4	249.0	241.3	234.5	230.4	227.4	225.2	224.8	226.6	227.8	232.1
60°	239.4	229.6	222.7	217.5	212.6	210.6	210.0	209.3	210.6	214.2	219.8
62.5°	219.6	211.5	204.1	200.3	196.7	193.4	193.2	193.6	196.2	200.4	206.0
65°	190.4	183.5	178.6	174.0	171.1	169.1	169.8	171.1	174.0	179.6	185.8
67.5°	160.7	156.0	151.6	147.9	145.1	145.1	145.8	147.7	151.2	157.6	163.2
70°	141.6	136.4	132.8	131.1	128.9	127.6	129.5	132.8	135.7	141.6	146.5
72.5°	122.5	118.0	115.3	114.2	113.1	112.1	112.8	116.3	120.3	126.2	131.9
75°	94.2	92.6	90.6	89.3	88.3	88.9	89.6	92.9	96.2	102.4	108.9
77.5°	68.8	67.1	65.9	65.5	65.0	65.3	67.2	69.6	72.8	77.3	82.3
80°	52.0	51.3	50.7	50.4	50.4	50.7	53.3	54.9	57.9	62.2	66.0
82.5°	37.9	37.5	37.4	37.3	37.5	37.6	39.2	41.3	43.7	47.0	50.4
85°	20.0	19.3	20.3	20.6	20.0	20.9	21.6	22.9	23.8	25.5	27.1
87.5°	7.9	8.8	8.8	9.3	9.6	10.4	10.3	11.5	12.3	13.0	12.9
90°	7.1	8.5	9.9	11.3	12.6	13.9	14.9	15.9	16.9	17.8	18.6
92.5°	25.5	26.9	28.5	30.1	31.9	33.5	34.8	36.1	37.4	38.7	39.4
95°	58.3	59.4	61.4	63.3	65.3	67.2	68.5	69.9	71.2	72.6	73.4
97.5°	94.9	96.3	98.9	101.6	104.3	106.9	108.2	109.5	110.8	112.1	112.8
100°	122.2	123.4	125.9	128.5	131.0	133.5	135.3	137.0	138.7	140.4	141.5
102.5°	155.2	156.3	157.6	158.9	160.1	161.4	163.3	165.2	167.1	169.0	170.2
105°	202.8	203.9	205.0	206.2	207.3	208.5	209.7	210.9	212.0	213.2	214.0
107.5°	254.4	255.4	256.2	257.2	258.0	258.9	259.5	260.1	260.7	261.2	261.6
110°	290.1	290.8	291.4	292.0	292.6	293.2	293.7	294.3	294.9	295.5	295.7



TEST NUMBER: P333383-935

CATALOG NUMBER: S125DIW-S610D1050U935-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	324.4	325.1	325.8	326.6	327.3	328.0	328.3	328.6	328.8	329.1	329.1
115°	379.1	379.7	380.0	380.5	380.8	381.3	381.1	380.8	380.6	380.5	380.3
117.5°	431.2	431.5	431.9	432.2	432.6	432.9	433.1	433.2	433.3	433.5	433.2
120°	467.1	467.7	467.9	468.1	468.3	468.5	468.5	468.5	468.5	468.5	468.1
122.5°	500.9	501.4	501.9	502.4	502.9	503.4	503.3	503.1	502.9	502.7	502.4
125°	553.4	554.1	554.3	554.5	554.7	554.8	554.5	554.1	553.7	553.3	553.0
127.5°	603.7	604.2	604.4	604.7	604.9	605.1	604.9	604.7	604.5	604.3	604.1
130°	636.4	637.1	637.5	637.8	638.3	638.6	638.4	638.3	638.0	637.8	637.6
132.5°	670.3	671.1	671.0	670.9	670.8	670.7	670.5	670.3	670.1	669.9	669.6
135°	718.3	718.9	719.2	719.4	719.5	719.7	719.7	719.7	719.7	719.7	719.4
137.5°	764.9	765.7	766.1	766.5	767.0	767.4	767.6	767.8	768.1	768.3	767.9
140°	794.3	795.0	795.7	796.3	796.8	797.4	797.8	798.1	798.6	798.9	798.7
142.5°	823.7	824.5	825.2	826.0	826.6	827.4	827.6	827.9	828.1	828.4	827.9
145°	867.6	868.3	868.9	869.5	870.1	870.6	870.6	870.6	870.6	870.6	870.4
147.5°	907.1	907.6	908.0	908.4	909.0	909.4	909.9	910.3	910.8	911.3	910.9
150°	931.9	932.1	932.9	933.7	934.4	935.2	935.2	935.2	935.2	935.2	935.0
152.5°	956.1	956.3	956.7	956.9	957.3	957.6	958.0	958.5	959.0	959.4	959.3
155°	989.3	989.4	989.6	989.8	990.0	990.2	991.0	991.8	992.6	993.3	993.2
157.5°	1018.3	1018.2	1018.4	1018.6	1018.8	1019.0	1019.8	1020.5	1021.3	1022.1	1021.8
160°	1035.9	1035.7	1035.9	1036.0	1036.2	1036.5	1037.2	1038.0	1038.8	1039.6	1039.4
162.5°	1052.5	1052.3	1052.4	1052.4	1052.5	1052.5	1053.4	1054.4	1055.2	1056.2	1056.1
165°	1074.1	1074.0	1074.3	1074.4	1074.6	1074.8	1075.6	1076.3	1077.1	1077.9	1077.7
167.5°	1090.7	1090.4	1090.4	1090.4	1090.4	1090.4	1091.5	1092.7	1093.8	1095.0	1095.0
170°	1100.5	1100.1	1100.1	1100.1	1100.1	1100.1	1101.3	1102.4	1103.6	1104.7	1104.7
172.5°	1107.5	1107.1	1107.1	1107.1	1107.1	1107.1	1108.3	1109.4	1110.6	1111.7	1111.7
175°	1115.3	1114.9	1114.9	1114.9	1114.9	1114.9	1116.1	1117.2	1118.4	1119.6	1119.5
177.5°	1120.0	1119.6	1119.4	1119.3	1119.1	1119.0	1119.9	1120.8	1121.8	1122.7	1122.6
180°	1121.0	1121.0	1121.0	1121.0	1121.0	1121.0	1121.0	1121.0	1121.0	1121.0	1121.0



TEST NUMBER: P333383-935

CATALOG NUMBER: S125DIW-S610D1050U935-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	770.6	770.6	770.6	770.6	770.6	770.6	770.6	770.6	770.6	770.6	770.6
2.5°	734.2	736.1	734.5	736.6	734.5	736.1	734.2	735.8	738.1	736.6	740.2
5°	676.7	673.7	675.7	674.4	675.7	673.7	676.7	678.4	682.3	683.5	686.2
7.5°	623.6	620.8	617.6	616.0	617.6	620.8	623.6	624.6	627.9	632.8	636.5
10°	590.4	586.8	586.4	584.2	586.4	586.8	590.4	594.0	596.2	602.4	606.7
12.5°	566.0	562.7	559.0	558.0	559.0	562.7	566.0	569.1	569.8	576.9	579.8
15°	531.5	528.9	526.6	528.6	526.6	528.9	531.5	533.5	537.1	542.0	545.3
17.5°	502.7	500.6	500.2	497.8	500.2	500.6	502.7	503.9	509.8	513.0	518.6
20°	484.7	483.1	483.7	479.5	483.7	483.1	484.7	487.7	493.5	495.2	501.1
22.5°	470.4	467.1	466.7	465.9	466.7	467.1	470.4	473.0	474.2	479.2	483.3
25°	447.8	446.2	444.5	446.2	444.5	446.2	447.8	450.7	452.0	455.6	459.5
27.5°	428.1	426.1	425.7	425.9	425.7	426.1	428.1	427.8	431.4	434.2	437.1
30°	416.0	412.8	413.1	412.8	413.1	412.8	416.0	416.0	418.0	420.6	423.3
32.5°	402.9	400.7	400.3	399.7	400.3	400.7	402.9	402.4	404.9	408.0	411.0
35°	383.7	383.7	382.0	382.0	382.0	383.7	383.7	384.6	387.3	387.3	390.5
37.5°	365.5	365.2	364.2	364.4	364.2	365.2	365.5	366.4	367.2	368.6	370.7
40°	351.9	351.6	350.6	348.6	350.6	351.6	351.9	353.3	353.9	355.5	356.8
42.5°	338.9	337.8	337.3	336.7	337.3	337.8	338.9	339.7	340.0	342.2	344.8
45°	318.2	318.2	317.6	317.3	317.6	318.2	318.2	318.2	318.6	321.2	322.5
47.5°	298.3	298.9	300.1	299.9	300.1	298.9	298.3	297.7	297.8	299.1	300.7
50°	286.2	286.5	287.5	287.8	287.5	286.5	286.2	284.9	284.2	284.2	285.2
52.5°	272.9	274.7	276.0	275.8	276.0	274.7	272.9	271.8	270.6	269.1	270.5
55°	254.2	256.4	258.7	259.1	258.7	256.4	254.2	251.2	249.9	247.3	248.2
57.5°	235.7	238.8	241.3	242.0	241.3	238.8	235.7	232.1	227.8	226.6	224.8
60°	223.1	227.3	230.2	231.6	230.2	227.3	223.1	219.8	214.2	210.6	209.3
62.5°	211.0	215.8	218.8	219.0	218.8	215.8	211.0	206.0	200.4	196.2	193.6
65°	191.3	196.2	198.9	200.8	198.9	196.2	191.3	185.8	179.6	174.0	171.1
67.5°	170.1	175.0	178.0	179.5	178.0	175.0	170.1	163.2	157.6	151.2	147.7
70°	154.7	159.6	163.5	164.9	163.5	159.6	154.7	146.5	141.6	135.7	132.8
72.5°	139.6	143.9	147.1	148.6	147.1	143.9	139.6	131.9	126.2	120.3	116.3
75°	113.1	119.1	122.0	123.6	122.0	119.1	113.1	108.9	102.4	96.2	92.9
77.5°	87.3	92.6	94.4	95.2	94.4	92.6	87.3	82.3	77.3	72.8	69.6
80°	70.0	73.3	75.6	75.9	75.6	73.3	70.0	66.0	62.2	57.9	54.9
82.5°	53.8	56.5	57.3	58.1	57.3	56.5	53.8	50.4	47.0	43.7	41.3
85°	29.4	30.7	31.1	30.7	31.1	30.7	29.4	27.1	25.5	23.8	22.9
87.5°	13.5	13.3	13.5	14.1	13.5	13.3	13.5	12.9	13.0	12.3	11.5
90°	19.2	19.8	20.3	20.9	20.3	19.8	19.2	18.6	17.8	16.9	15.9
92.5°	39.9	40.3	40.7	41.2	40.7	40.3	39.9	39.4	38.7	37.4	36.1
95°	73.9	74.2	74.6	75.0	74.6	74.2	73.9	73.4	72.6	71.2	69.9
97.5°	113.0	113.3	113.6	113.7	113.6	113.3	113.0	112.8	112.1	110.8	109.5
100°	141.9	142.3	142.7	143.1	142.7	142.3	141.9	141.5	140.4	138.7	137.0
102.5°	170.7	171.3	171.9	172.4	171.9	171.3	170.7	170.2	169.0	167.1	165.2
105°	214.6	215.2	215.8	216.4	215.8	215.2	214.6	214.0	213.2	212.0	210.9
107.5°	261.5	261.5	261.4	261.4	261.4	261.5	261.5	261.6	261.2	260.7	260.1
110°	295.5	295.2	295.1	294.9	295.1	295.2	295.5	295.7	295.5	294.9	294.3



TEST NUMBER: P333383-935

CATALOG NUMBER: S125DIW-S610D1050U935-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	328.7	328.4	328.0	327.7	328.0	328.4	328.7	329.1	329.1	328.8	328.6
115°	380.0	379.9	379.7	379.5	379.7	379.9	380.0	380.3	380.5	380.6	380.8
117.5°	432.4	431.6	430.8	430.1	430.8	431.6	432.4	433.2	433.5	433.3	433.2
120°	467.4	466.6	465.8	465.0	465.8	466.6	467.4	468.1	468.5	468.5	468.5
122.5°	501.8	501.1	500.5	499.9	500.5	501.1	501.8	502.4	502.7	502.9	503.1
125°	552.8	552.6	552.4	552.2	552.4	552.6	552.8	553.0	553.3	553.7	554.1
127.5°	603.6	603.3	602.9	602.5	602.9	603.3	603.6	604.1	604.3	604.5	604.7
130°	637.1	636.8	636.4	636.0	636.4	636.8	637.1	637.6	637.8	638.0	638.3
132.5°	669.0	668.5	668.0	667.4	668.0	668.5	669.0	669.6	669.9	670.1	670.3
135°	718.6	717.8	717.0	716.3	717.0	717.8	718.6	719.4	719.7	719.7	719.7
137.5°	767.0	766.0	765.0	764.1	765.0	766.0	767.0	767.9	768.3	768.1	767.8
140°	797.7	796.7	795.7	794.8	795.7	796.7	797.7	798.7	798.9	798.6	798.1
142.5°	827.0	826.0	825.1	824.1	825.1	826.0	827.0	827.9	828.4	828.1	827.9
145°	869.8	869.2	868.7	868.1	868.7	869.2	869.8	870.4	870.6	870.6	870.6
147.5°	909.6	908.2	906.9	905.6	906.9	908.2	909.6	910.9	911.3	910.8	910.3
150°	934.6	934.3	933.8	933.5	933.8	934.3	934.6	935.0	935.2	935.2	935.2
152.5°	958.6	957.9	957.2	956.5	957.2	957.9	958.6	959.3	959.4	959.0	958.5
155°	992.2	991.3	990.3	989.3	990.3	991.3	992.2	993.2	993.3	992.6	991.8
157.5°	1020.5	1019.3	1018.0	1016.8	1018.0	1019.3	1020.5	1021.8	1022.1	1021.3	1020.5
160°	1038.5	1037.5	1036.6	1035.5	1036.6	1037.5	1038.5	1039.4	1039.6	1038.8	1038.0
162.5°	1055.0	1053.9	1052.7	1051.6	1052.7	1053.9	1055.0	1056.1	1056.2	1055.2	1054.4
165°	1076.6	1075.4	1074.3	1073.1	1074.3	1075.4	1076.6	1077.7	1077.9	1077.1	1076.3
167.5°	1093.8	1092.6	1091.4	1090.2	1091.4	1092.6	1093.8	1095.0	1095.0	1093.8	1092.7
170°	1103.3	1102.0	1100.6	1099.2	1100.6	1102.0	1103.3	1104.7	1104.7	1103.6	1102.4
172.5°	1110.5	1109.3	1108.1	1106.9	1108.1	1109.3	1110.5	1111.7	1111.7	1110.6	1109.4
175°	1118.2	1116.8	1115.4	1114.0	1115.4	1116.8	1118.2	1119.5	1119.6	1118.4	1117.2
177.5°	1121.5	1120.4	1119.4	1118.3	1119.4	1120.4	1121.5	1122.6	1122.7	1121.8	1120.8
180°	1121.0	1121.0	1121.0	1121.0	1121.0	1121.0	1121.0	1121.0	1121.0	1121.0	1121.0



TEST NUMBER: P333383-935

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CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	770.6	770.6	770.6	770.6	770.6	770.6	770.6	770.6	770.6	770.6	770.6
2.5°	736.8	739.9	743.9	746.7	752.0	754.3	757.2	759.6	763.8	767.7	772.4
5°	687.2	692.8	700.3	708.4	717.9	724.4	733.7	739.2	750.3	760.4	770.3
7.5°	642.1	649.0	659.6	670.1	682.5	693.8	705.2	717.9	732.1	748.9	762.8
10°	611.3	620.4	631.9	645.0	660.0	673.1	688.5	702.2	719.5	739.2	757.5
12.5°	586.7	594.5	607.3	619.8	635.9	651.9	667.8	686.0	706.2	728.0	751.0
15°	552.8	559.3	569.7	587.1	603.5	619.1	643.0	660.0	685.5	709.7	737.5
17.5°	523.7	531.9	540.7	555.6	572.5	592.1	613.5	634.8	659.4	690.1	721.4
20°	506.0	512.6	522.6	534.1	552.1	571.7	592.0	613.5	643.7	675.4	709.1
22.5°	486.6	493.7	505.1	517.6	532.7	551.6	573.9	597.6	629.0	660.2	696.8
25°	463.8	468.7	479.1	490.3	505.3	521.3	544.6	570.8	601.8	637.5	674.8
27.5°	442.3	446.6	456.2	465.8	479.4	498.4	519.2	545.6	574.9	611.1	652.4
30°	426.8	431.4	439.9	450.4	463.5	480.2	501.4	526.2	557.7	593.0	636.2
32.5°	413.5	417.6	424.0	434.5	447.2	463.4	483.1	508.5	539.8	575.8	618.1
35°	392.8	397.4	402.3	410.4	421.6	437.3	458.9	482.8	512.8	547.5	586.4
37.5°	372.3	377.2	381.6	388.9	399.1	412.9	431.6	456.5	483.7	517.1	554.5
40°	359.5	363.3	367.0	374.8	385.0	398.0	415.3	437.6	466.4	497.5	528.6
42.5°	346.6	350.3	353.4	360.2	369.5	382.1	398.6	420.3	447.0	476.0	503.4
45°	326.4	328.7	332.3	338.2	345.7	357.1	373.2	392.5	415.1	442.6	463.1
47.5°	304.5	308.2	311.1	316.2	322.4	333.6	349.0	365.5	386.0	406.4	420.9
50°	287.8	291.4	295.7	300.6	306.4	316.9	331.0	347.7	365.0	380.7	393.1
52.5°	272.2	275.4	280.0	284.6	291.8	300.7	312.7	327.5	344.6	355.9	366.2
55°	248.9	250.6	255.8	260.4	267.3	273.8	285.9	298.9	309.4	317.9	326.4
57.5°	225.2	227.4	230.4	234.5	241.3	249.0	257.4	269.1	275.2	279.6	286.2
60°	210.0	210.6	212.6	217.5	222.7	229.6	239.4	247.6	252.2	255.8	261.3
62.5°	193.2	193.4	196.7	200.3	204.1	211.5	219.6	226.1	230.0	231.7	237.0
65°	169.8	169.1	171.1	174.0	178.6	183.5	190.4	196.2	195.9	197.9	201.1
67.5°	145.8	145.1	145.1	147.9	151.6	156.0	160.7	164.1	164.2	166.8	168.4
70°	129.5	127.6	128.9	131.1	132.8	136.4	141.6	142.9	143.3	144.6	146.2
72.5°	112.8	112.1	113.1	114.2	115.3	118.0	122.5	123.3	123.4	124.2	126.8
75°	89.6	88.9	88.3	89.3	90.6	92.6	94.2	95.5	95.1	95.5	97.5
77.5°	67.2	65.3	65.0	65.5	65.9	67.1	68.8	68.6	69.0	68.9	71.1
80°	53.3	50.7	50.4	50.4	50.7	51.3	52.0	52.7	51.7	52.7	53.3
82.5°	39.2	37.6	37.5	37.3	37.4	37.5	37.9	38.2	38.1	38.5	38.9
85°	21.6	20.9	20.0	20.6	20.3	19.3	20.0	18.9	18.7	18.9	19.3
87.5°	10.3	10.4	9.6	9.3	8.8	8.8	7.9	7.4	6.8	6.8	7.2
90°	14.9	13.9	12.6	11.3	9.9	8.5	7.1	5.5	4.0	2.4	0.9
92.5°	34.8	33.5	31.9	30.1	28.5	26.9	25.5	24.4	23.2	22.2	21.1
95°	68.5	67.2	65.3	63.3	61.4	59.4	58.3	57.9	57.5	57.1	56.7
97.5°	108.2	106.9	104.3	101.6	98.9	96.3	94.9	94.7	94.5	94.4	94.2
100°	135.3	133.5	131.0	128.5	125.9	123.4	122.2	122.2	122.2	122.2	122.2
102.5°	163.3	161.4	160.1	158.9	157.6	156.3	155.2	154.5	153.7	152.9	152.1
105°	209.7	208.5	207.3	206.2	205.0	203.9	202.8	201.8	200.9	199.8	198.9
107.5°	259.5	258.9	258.0	257.2	256.2	255.4	254.4	253.5	252.5	251.5	250.6
110°	293.7	293.2	292.6	292.0	291.4	290.8	290.1	289.0	288.1	287.1	286.1



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CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	328.3	328.0	327.3	326.6	325.8	325.1	324.4	324.0	323.5	323.0	322.4
115°	381.1	381.3	380.8	380.5	380.0	379.7	379.1	378.3	377.5	376.8	376.0
117.5°	433.1	432.9	432.6	432.2	431.9	431.5	431.2	430.8	430.4	430.1	429.7
120°	468.5	468.5	468.3	468.1	467.9	467.7	467.1	466.1	465.2	464.3	463.2
122.5°	503.3	503.4	502.9	502.4	501.9	501.4	500.9	500.6	500.2	499.9	499.6
125°	554.5	554.8	554.7	554.5	554.3	554.1	553.4	552.2	551.0	549.9	548.7
127.5°	604.9	605.1	604.9	604.7	604.4	604.2	603.7	603.0	602.4	601.8	601.1
130°	638.4	638.6	638.3	637.8	637.5	637.1	636.4	635.4	634.5	633.4	632.5
132.5°	670.5	670.7	670.8	670.9	671.0	671.1	670.3	668.7	667.1	665.5	663.9
135°	719.7	719.7	719.5	719.4	719.2	718.9	718.3	717.1	715.9	714.8	713.6
137.5°	767.6	767.4	767.0	766.5	766.1	765.7	764.9	763.8	762.7	761.6	760.4
140°	797.8	797.4	796.8	796.3	795.7	795.0	794.3	793.3	792.4	791.3	790.4
142.5°	827.6	827.4	826.6	826.0	825.2	824.5	823.7	822.9	822.1	821.2	820.4
145°	870.6	870.6	870.1	869.5	868.9	868.3	867.6	866.9	866.1	865.3	864.5
147.5°	909.9	909.4	909.0	908.4	908.0	907.6	907.1	906.6	906.3	905.9	905.4
150°	935.2	935.2	934.4	933.7	932.9	932.1	931.9	932.0	932.2	932.5	932.6
152.5°	958.0	957.6	957.3	956.9	956.7	956.3	956.1	955.8	955.5	955.2	954.9
155°	991.0	990.2	990.0	989.8	989.6	989.4	989.3	989.3	989.3	989.3	989.3
157.5°	1019.8	1019.0	1018.8	1018.6	1018.4	1018.2	1018.3	1018.7	1019.2	1019.6	1020.0
160°	1037.2	1036.5	1036.2	1036.0	1035.9	1035.7	1035.9	1036.5	1037.0	1037.6	1038.2
162.5°	1053.4	1052.5	1052.5	1052.4	1052.4	1052.3	1052.5	1052.9	1053.3	1053.8	1054.2
165°	1075.6	1074.8	1074.6	1074.4	1074.3	1074.0	1074.1	1074.5	1074.9	1075.3	1075.7
167.5°	1091.5	1090.4	1090.4	1090.4	1090.4	1090.4	1090.7	1091.5	1092.3	1093.0	1093.8
170°	1101.3	1100.1	1100.1	1100.1	1100.1	1100.1	1100.5	1101.3	1102.1	1102.9	1103.6
172.5°	1108.3	1107.1	1107.1	1107.1	1107.1	1107.1	1107.5	1108.3	1109.1	1109.8	1110.6
175°	1116.1	1114.9	1114.9	1114.9	1114.9	1114.9	1115.3	1116.1	1116.9	1117.7	1118.4
177.5°	1119.9	1119.0	1119.1	1119.3	1119.4	1119.6	1120.0	1120.6	1121.2	1121.8	1122.5
180°	1121.0	1121.0	1121.0	1121.0	1121.0	1121.0	1121.0	1121.0	1121.0	1121.0	1121.0



TEST NUMBER: P333383-935

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CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	770.6	770.6	770.6	770.6	770.6	770.6	770.6	770.6	770.6	770.6	770.6
2.5°	774.8	778.4	780.8	785.2	788.9	791.0	792.8	794.4	796.3	797.8	802.3
5°	779.7	788.2	795.5	806.6	816.7	824.6	833.0	840.6	846.8	855.7	862.5
7.5°	777.6	792.7	808.6	825.7	843.3	859.7	874.7	888.8	901.6	917.0	930.5
10°	775.5	796.1	816.4	839.6	863.5	883.7	902.8	922.0	936.1	955.7	972.4
12.5°	774.0	798.2	822.7	850.6	876.8	905.4	930.7	944.8	966.2	981.9	1001.7
15°	767.3	799.4	833.0	864.4	901.7	928.2	950.5	977.9	997.9	1017.9	1039.4
17.5°	755.4	791.8	829.5	870.6	906.4	934.9	963.5	990.0	1013.8	1040.5	1067.5
20°	750.0	786.3	829.5	871.7	906.6	936.4	965.9	995.0	1021.1	1055.5	1086.5
22.5°	738.5	782.4	822.2	863.2	899.3	931.7	965.1	998.1	1032.9	1071.7	1110.6
25°	717.9	762.4	804.6	845.2	881.5	922.0	957.7	1001.9	1046.3	1097.7	1146.1
27.5°	696.6	739.2	777.8	817.0	859.4	905.3	951.5	1001.6	1059.9	1124.6	1193.0
30°	679.3	719.5	757.2	797.4	841.5	893.2	943.9	1003.5	1070.8	1143.8	1224.9
32.5°	659.2	696.3	732.9	775.4	823.5	878.0	937.1	1002.4	1083.4	1166.3	1249.7
35°	624.7	655.8	693.4	738.8	793.2	855.7	924.0	1001.2	1094.1	1189.2	1259.6
37.5°	583.8	612.8	652.4	702.2	759.1	826.2	907.3	998.8	1097.5	1173.4	1196.1
40°	556.4	583.2	624.4	676.1	734.3	805.3	894.2	991.0	1086.5	1135.0	1116.3
42.5°	527.0	555.2	595.4	646.5	709.1	786.4	877.7	974.6	1054.6	1072.9	1008.5
45°	480.8	509.9	549.5	601.2	668.6	752.3	847.5	935.4	981.5	948.5	848.8
47.5°	437.8	465.1	501.8	555.1	624.7	711.3	802.9	873.1	876.8	797.9	691.4
50°	408.5	433.7	470.6	524.0	593.0	680.6	763.4	818.6	793.8	704.6	602.2
52.5°	379.7	404.4	440.8	493.6	561.9	642.1	719.2	757.9	711.1	619.5	532.0
55°	338.2	359.8	395.5	444.2	508.9	583.5	648.9	662.3	601.5	511.2	440.2
57.5°	297.6	317.8	350.3	395.1	454.3	520.4	571.5	568.7	504.4	426.9	370.6
60°	270.2	289.8	318.6	362.4	416.4	473.3	517.1	506.6	442.9	376.2	328.7
62.5°	245.6	263.1	290.3	328.6	377.9	430.6	466.6	451.2	388.7	330.4	292.8
65°	209.3	224.0	247.3	280.0	320.9	364.4	392.2	372.2	318.9	273.5	243.3
67.5°	174.7	186.5	206.0	232.1	267.0	301.9	318.8	298.8	256.1	222.9	200.6
70°	152.7	163.2	178.2	201.5	231.9	261.3	274.1	256.1	219.5	191.0	175.0
72.5°	130.8	139.4	152.7	173.5	197.9	223.4	234.5	217.4	187.3	163.2	148.3
75°	101.1	106.9	116.1	130.5	149.8	170.0	176.3	161.3	142.0	124.0	114.2
77.5°	72.3	77.3	84.3	93.3	107.0	119.9	125.4	116.7	101.7	90.3	82.3
80°	55.6	58.2	64.1	71.6	82.4	90.6	94.2	88.6	78.2	69.7	63.5
82.5°	39.6	42.3	45.8	52.0	58.9	64.4	68.3	64.6	57.0	50.3	46.7
85°	19.3	20.9	22.9	25.5	30.7	34.0	33.7	31.4	28.4	25.8	23.8
87.5°	7.3	7.8	9.0	10.6	11.6	13.0	13.8	13.5	12.7	12.1	11.5
90°	2.4	4.0	5.5	7.1	8.5	9.9	11.3	12.6	13.9	14.9	15.9
92.5°	22.2	23.2	24.4	25.5	26.9	28.5	30.1	31.9	33.5	34.8	36.1
95°	57.1	57.5	57.9	58.3	59.4	61.4	63.3	65.3	67.2	68.5	69.9
97.5°	94.4	94.5	94.7	94.9	96.3	98.9	101.6	104.3	106.9	108.2	109.5
100°	122.2	122.2	122.2	122.2	123.4	125.9	128.5	131.0	133.5	135.3	137.0
102.5°	152.9	153.7	154.5	155.2	156.3	157.6	158.9	160.1	161.4	163.3	165.2
105°	199.8	200.9	201.8	202.8	203.9	205.0	206.2	207.3	208.5	209.7	210.9
107.5°	251.5	252.5	253.5	254.4	255.4	256.2	257.2	258.0	258.9	259.5	260.1
110°	287.1	288.1	289.0	290.1	290.8	291.4	292.0	292.6	293.2	293.7	294.3



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CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	323.0	323.5	324.0	324.4	325.1	325.8	326.6	327.3	328.0	328.3	328.6
115°	376.8	377.5	378.3	379.1	379.7	380.0	380.5	380.8	381.3	381.1	380.8
117.5°	430.1	430.4	430.8	431.2	431.5	431.9	432.2	432.6	432.9	433.1	433.2
120°	464.3	465.2	466.1	467.1	467.7	467.9	468.1	468.3	468.5	468.5	468.5
122.5°	499.9	500.2	500.6	500.9	501.4	501.9	502.4	502.9	503.4	503.3	503.1
125°	549.9	551.0	552.2	553.4	554.1	554.3	554.5	554.7	554.8	554.5	554.1
127.5°	601.8	602.4	603.0	603.7	604.2	604.4	604.7	604.9	605.1	604.9	604.7
130°	633.4	634.5	635.4	636.4	637.1	637.5	637.8	638.3	638.6	638.4	638.3
132.5°	665.5	667.1	668.7	670.3	671.1	671.0	670.9	670.8	670.7	670.5	670.3
135°	714.8	715.9	717.1	718.3	718.9	719.2	719.4	719.5	719.7	719.7	719.7
137.5°	761.6	762.7	763.8	764.9	765.7	766.1	766.5	767.0	767.4	767.6	767.8
140°	791.3	792.4	793.3	794.3	795.0	795.7	796.3	796.8	797.4	797.8	798.1
142.5°	821.2	822.1	822.9	823.7	824.5	825.2	826.0	826.6	827.4	827.6	827.9
145°	865.3	866.1	866.9	867.6	868.3	868.9	869.5	870.1	870.6	870.6	870.6
147.5°	905.9	906.3	906.6	907.1	907.6	908.0	908.4	909.0	909.4	909.9	910.3
150°	932.5	932.2	932.0	931.9	932.1	932.9	933.7	934.4	935.2	935.2	935.2
152.5°	955.2	955.5	955.8	956.1	956.3	956.7	956.9	957.3	957.6	958.0	958.5
155°	989.3	989.3	989.3	989.3	989.4	989.6	989.8	990.0	990.2	991.0	991.8
157.5°	1019.6	1019.2	1018.7	1018.3	1018.2	1018.4	1018.6	1018.8	1019.0	1019.8	1020.5
160°	1037.6	1037.0	1036.5	1035.9	1035.7	1035.9	1036.0	1036.2	1036.5	1037.2	1038.0
162.5°	1053.8	1053.3	1052.9	1052.5	1052.3	1052.4	1052.4	1052.5	1052.5	1053.4	1054.4
165°	1075.3	1074.9	1074.5	1074.1	1074.0	1074.3	1074.4	1074.6	1074.8	1075.6	1076.3
167.5°	1093.0	1092.3	1091.5	1090.7	1090.4	1090.4	1090.4	1090.4	1090.4	1091.5	1092.7
170°	1102.9	1102.1	1101.3	1100.5	1100.1	1100.1	1100.1	1100.1	1100.1	1101.3	1102.4
172.5°	1109.8	1109.1	1108.3	1107.5	1107.1	1107.1	1107.1	1107.1	1107.1	1108.3	1109.4
175°	1117.7	1116.9	1116.1	1115.3	1114.9	1114.9	1114.9	1114.9	1114.9	1116.1	1117.2
177.5°	1121.8	1121.2	1120.6	1120.0	1119.6	1119.4	1119.3	1119.1	1119.0	1119.9	1120.8
180°	1121.0	1121.0	1121.0	1121.0	1121.0	1121.0	1121.0	1121.0	1121.0	1121.0	1121.0



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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	770.6	770.6	770.6	770.6	770.6	770.6	770.6
2.5°	805.9	808.0	812.4	810.9	813.0	814.0	815.1
5°	871.0	881.5	886.1	885.4	892.3	890.6	889.0
7.5°	944.5	955.5	961.7	969.3	973.8	974.0	977.9
10°	986.1	1000.5	1006.4	1014.6	1019.9	1022.8	1022.4
12.5°	1018.0	1029.3	1042.5	1046.5	1053.6	1057.3	1055.9
15°	1056.4	1074.4	1088.1	1095.0	1103.9	1106.5	1110.1
17.5°	1090.7	1114.8	1130.9	1152.2	1160.3	1165.2	1162.3
20°	1116.6	1148.3	1164.4	1189.9	1203.9	1211.5	1208.8
22.5°	1147.3	1181.6	1211.3	1233.3	1254.7	1264.9	1267.0
25°	1199.7	1246.8	1290.3	1319.4	1345.9	1352.1	1365.9
27.5°	1258.4	1313.9	1360.4	1390.9	1409.5	1416.3	1420.6
30°	1295.2	1350.5	1385.5	1405.1	1411.0	1410.3	1409.7
32.5°	1313.3	1347.9	1354.6	1349.1	1335.7	1324.2	1312.3
35°	1287.7	1261.9	1223.2	1173.5	1137.0	1099.9	1096.3
37.5°	1158.1	1075.5	1011.2	939.5	898.1	872.5	854.8
40°	1036.1	942.3	864.4	803.9	761.7	745.1	728.8
42.5°	903.8	814.1	745.1	694.6	662.9	644.4	631.4
45°	734.3	655.1	601.2	564.6	539.3	525.0	516.8
47.5°	601.7	543.1	497.3	470.9	453.5	442.3	442.3
50°	530.5	474.6	444.2	423.3	408.2	399.3	401.0
52.5°	467.4	425.7	399.7	382.1	371.0	365.6	365.4
55°	390.9	360.8	343.8	331.0	323.5	317.3	318.6
57.5°	334.3	308.9	297.6	287.0	281.7	279.2	275.7
60°	299.3	279.7	269.8	261.3	256.1	254.2	250.6
62.5°	268.1	252.7	243.1	236.2	231.5	230.8	228.0
65°	225.3	213.6	205.1	201.8	196.9	195.6	195.6
67.5°	185.8	177.4	170.7	167.7	165.6	165.9	164.3
70°	160.9	154.0	149.8	146.5	144.9	145.3	143.9
72.5°	140.8	133.1	129.4	127.4	125.3	126.1	125.6
75°	106.6	102.7	100.7	98.8	97.5	96.8	96.2
77.5°	78.3	74.8	73.4	72.2	72.4	70.9	72.1
80°	60.5	57.6	56.6	54.9	54.6	54.6	54.3
82.5°	44.3	42.6	41.9	40.6	40.0	40.5	39.6
85°	22.9	21.6	21.3	21.3	20.6	20.0	21.6
87.5°	11.7	10.9	11.0	10.9	11.0	10.8	10.5
90°	16.9	17.8	18.6	19.2	19.8	20.3	20.9
92.5°	37.4	38.7	39.4	39.9	40.3	40.7	41.2
95°	71.2	72.6	73.4	73.9	74.2	74.6	75.0
97.5°	110.8	112.1	112.8	113.0	113.3	113.6	113.7
100°	138.7	140.4	141.5	141.9	142.3	142.7	143.1
102.5°	167.1	169.0	170.2	170.7	171.3	171.9	172.4
105°	212.0	213.2	214.0	214.6	215.2	215.8	216.4
107.5°	260.7	261.2	261.6	261.5	261.5	261.4	261.4
110°	294.9	295.5	295.7	295.5	295.2	295.1	294.9



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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
112.5°	328.8	329.1	329.1	328.7	328.4	328.0	327.7
115°	380.6	380.5	380.3	380.0	379.9	379.7	379.5
117.5°	433.3	433.5	433.2	432.4	431.6	430.8	430.1
120°	468.5	468.5	468.1	467.4	466.6	465.8	465.0
122.5°	502.9	502.7	502.4	501.8	501.1	500.5	499.9
125°	553.7	553.3	553.0	552.8	552.6	552.4	552.2
127.5°	604.5	604.3	604.1	603.6	603.3	602.9	602.5
130°	638.0	637.8	637.6	637.1	636.8	636.4	636.0
132.5°	670.1	669.9	669.6	669.0	668.5	668.0	667.4
135°	719.7	719.7	719.4	718.6	717.8	717.0	716.3
137.5°	768.1	768.3	767.9	767.0	766.0	765.0	764.1
140°	798.6	798.9	798.7	797.7	796.7	795.7	794.8
142.5°	828.1	828.4	827.9	827.0	826.0	825.1	824.1
145°	870.6	870.6	870.4	869.8	869.2	868.7	868.1
147.5°	910.8	911.3	910.9	909.6	908.2	906.9	905.6
150°	935.2	935.2	935.0	934.6	934.3	933.8	933.5
152.5°	959.0	959.4	959.3	958.6	957.9	957.2	956.5
155°	992.6	993.3	993.2	992.2	991.3	990.3	989.3
157.5°	1021.3	1022.1	1021.8	1020.5	1019.3	1018.0	1016.8
160°	1038.8	1039.6	1039.4	1038.5	1037.5	1036.6	1035.5
162.5°	1055.2	1056.2	1056.1	1055.0	1053.9	1052.7	1051.6
165°	1077.1	1077.9	1077.7	1076.6	1075.4	1074.3	1073.1
167.5°	1093.8	1095.0	1095.0	1093.8	1092.6	1091.4	1090.2
170°	1103.6	1104.7	1104.7	1103.3	1102.0	1100.6	1099.2
172.5°	1110.6	1111.7	1111.7	1110.5	1109.3	1108.1	1106.9
175°	1118.4	1119.6	1119.5	1118.2	1116.8	1115.4	1114.0
177.5°	1121.8	1122.7	1122.6	1121.5	1120.4	1119.4	1118.3
180°	1121.0	1121.0	1121.0	1121.0	1121.0	1121.0	1121.0

(END OF REPORT)