

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: P333521-930

Luminaire Tested: **S125RDIP-S610D365U930-4F0-1E-UDD-A1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P333521-930
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: S125RDIP-S610D365U930-4F0-1E-UDD-A1
Description: DEFINE 5 DIRECT-INDIRECT PENDANT LED LUMINAIRE
DOWNLIGHT 610 LUMENS PER FOOT, ASYMMETRIC DIFFUSER, REGRESSED HOUSING
UPLIGHT 365 LUMENS PER FOOT, FLUSH SATIN WHITE DIFFUSER
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2988.7 lumens
Efficiency: N/A
Efficacy: 108.7 lumens/watt
Spacing Criteria (0/90/45): 1.4 / 1.22 / 1.47
Luminous Opening: Rectangular (W 4' x L: 0.42' x H: 0')
CIE Type: Semi-Direct

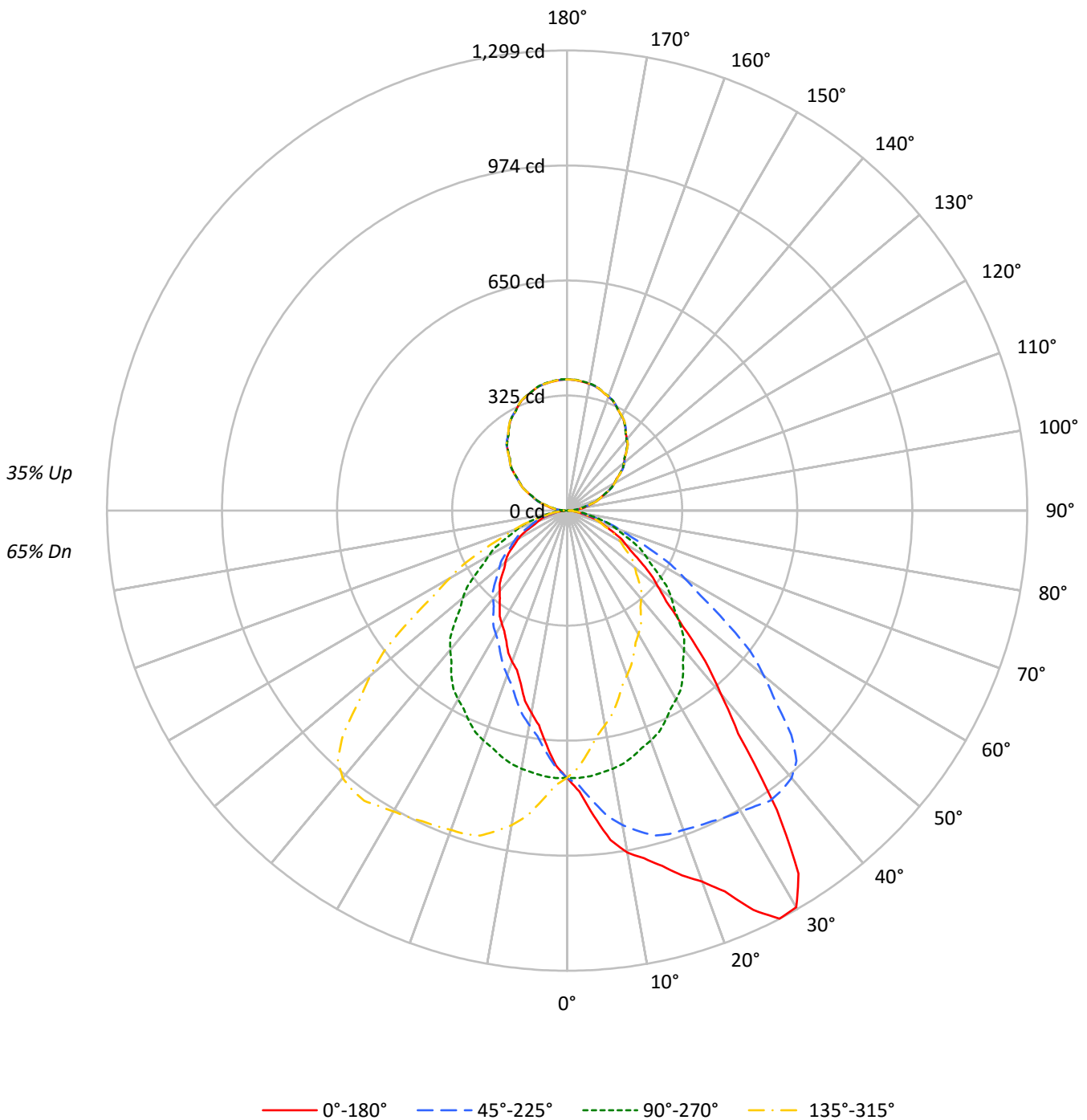
Input Watts (W): 27.5
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	111	111	111	111	104	104	104	104	92	92	92	81	81	81	70	70	70	65
1	102	98	94	90	96	92	89	86	82	79	77	72	70	68	63	62	61	56
2	93	86	80	75	87	81	76	71	72	68	64	64	61	58	56	54	52	48
3	85	76	69	63	80	72	65	60	64	59	55	57	53	50	50	47	45	41
4	78	68	60	54	73	64	57	51	57	52	47	51	46	43	45	42	39	36
5	72	60	52	46	68	57	50	45	51	45	41	46	41	37	41	37	34	31
6	67	54	46	40	62	52	44	39	46	40	36	42	37	33	37	33	30	28
7	62	49	41	36	58	47	40	34	42	36	32	38	33	29	34	30	27	24
8	57	45	37	32	54	43	36	31	39	33	28	35	30	26	31	27	24	22
9	53	41	34	28	50	39	32	27	36	30	26	32	27	24	29	25	22	20
10	50	38	30	26	47	36	29	25	33	27	23	30	25	22	27	23	20	18

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	4873	4873	4873	4873
5°	5606	4879	4309	4879
10°	6431	4854	3802	4854
15°	6946	4804	3380	4804
20°	7659	4746	3120	4746
25°	8863	4670	2895	4670
30°	9645	4589	2748	4589
35°	8136	4495	2613	4495
40°	5681	4326	2496	4326
45°	4215	4098	2382	4098
50°	3361	3861	2284	3861
55°	2852	3567	2197	3567
60°	2465	3304	2056	3304
65°	2196	3020	1771	3020
70°	1930	2766	1613	2766
75°	1669	2395	1515	2395
80°	1268	2016	1268	2016
85°	1060	1586	1193	1586



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	72.3	2.4
10°-20°	212.0	7.1
20°-30°	336.2	11.2
30°-40°	405.4	13.6
40°-50°	362.0	12.1
50°-60°	277.6	9.3
60°-70°	180.4	6.0
70°-80°	87.7	2.9
80°-90°	21.7	0.7
90°-100°	24.8	0.8
100°-110°	73.2	2.5
110°-120°	124.0	4.2
120°-130°	163.2	5.5
130°-140°	182.9	6.1
140°-150°	179.3	6.0
150°-160°	150.6	5.0
160°-170°	100.1	3.3
170°-180°	35.0	1.2
0°-30°	620.5	20.8
0°-40°	1025.9	34.3
0°-60°	1665.6	55.7
0°-90°	1955.5	65.4
90°-120°	222.1	7.4
90°-150°	747.5	25.0
90°-180°	1033.0	34.6
0°-180°	2988.7	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	754	754	754	754	754	
5°	865	753	665	753	865	86
15°	1039	718	506	718	1039	298
25°	1244	655	406	655	1244	571
35°	1032	570	331	570	1032	623
45°	462	449	261	449	462	368
55°	253	317	195	317	253	230
65°	144	198	116	198	144	143
75°	67	96	61	96	67	71
85°	14	21	16	21	14	17
90°	7	0	7	0	7	5
95°	25	19	25	19	25	25
105°	72	66	72	66	72	76
115°	125	124	125	124	125	124
125°	182	181	182	181	182	163
135°	237	236	237	236	237	182
145°	287	286	287	286	287	179
155°	327	327	327	327	327	150
165°	354	355	354	355	354	100
175°	368	369	368	369	368	35
180°	370	370	370	370	370	



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	754.5	754.5	754.5	754.5	754.5	754.5	754.5	754.5	754.5	754.5	754.5
2.5°	793.6	793.1	794.1	791.3	791.7	787.4	787.4	784.2	780.0	776.7	775.3
5°	864.7	865.4	864.1	859.4	856.3	851.7	846.4	837.1	829.4	822.0	816.1
7.5°	937.9	938.3	934.3	932.9	925.0	919.3	907.7	895.0	883.8	869.5	858.7
10°	980.6	980.2	975.9	972.5	965.6	957.0	945.5	930.7	916.7	901.2	886.4
12.5°	1005.3	1004.5	1003.1	999.0	992.7	985.0	975.3	960.7	943.5	926.5	909.2
15°	1038.8	1036.6	1032.6	1027.3	1018.3	1009.3	998.5	985.5	969.1	949.9	933.8
17.5°	1080.1	1080.2	1074.0	1066.7	1054.5	1038.6	1021.9	1000.9	978.6	957.5	940.4
20°	1114.4	1113.4	1107.2	1093.0	1079.0	1059.2	1040.0	1014.3	987.1	959.4	938.1
22.5°	1163.4	1161.0	1154.5	1135.8	1114.2	1088.7	1059.3	1027.9	995.0	963.7	935.6
25°	1243.8	1241.9	1229.2	1207.5	1177.2	1137.8	1099.4	1056.4	1009.0	967.8	933.8
27.5°	1298.8	1296.7	1287.4	1269.3	1241.3	1200.0	1147.9	1090.5	1031.3	974.6	925.4
30°	1293.3	1298.0	1296.7	1288.4	1267.3	1230.1	1182.2	1117.4	1047.1	980.6	922.0
32.5°	1215.5	1219.7	1230.6	1247.0	1248.2	1233.4	1197.5	1137.8	1064.9	989.2	919.2
35°	1031.9	1037.5	1058.6	1091.7	1135.1	1171.3	1178.8	1146.6	1081.2	999.7	915.2
37.5°	793.4	823.9	841.6	876.4	941.9	1008.6	1072.7	1096.3	1068.5	995.4	908.6
40°	673.9	681.3	713.0	752.3	807.4	876.8	968.2	1034.1	1036.2	985.5	898.1
42.5°	576.8	586.2	607.9	639.3	686.5	755.9	850.2	937.3	977.5	958.2	884.5
45°	461.5	468.6	484.4	508.5	544.8	602.1	683.2	783.9	863.8	895.0	848.0
47.5°	379.1	382.9	396.6	415.1	441.9	483.6	546.4	633.8	729.7	796.9	790.3
50°	334.5	338.8	349.4	363.3	385.9	421.2	471.4	544.1	642.9	725.0	741.4
52.5°	299.8	303.4	310.0	323.2	341.8	368.9	409.4	475.3	564.2	651.4	689.4
55°	253.3	255.8	261.1	268.5	283.4	302.9	337.9	383.4	455.3	543.2	599.0
57.5°	215.1	216.3	219.6	226.5	236.8	251.0	276.3	315.0	366.5	445.6	507.2
60°	190.8	192.0	196.3	201.0	209.0	222.1	241.9	268.8	318.4	383.8	446.0
62.5°	171.5	172.2	174.1	178.7	185.7	195.8	211.4	233.4	272.8	330.2	389.0
65°	143.7	144.0	144.6	148.4	152.7	160.1	170.3	185.8	215.6	258.9	311.0
67.5°	117.1	117.5	119.7	121.0	125.5	129.4	135.4	147.2	168.2	197.4	237.8
70°	102.2	101.9	104.0	105.6	107.1	111.8	115.9	125.4	138.4	160.8	194.5
72.5°	88.3	87.6	88.5	89.0	91.1	94.2	98.2	104.1	114.1	129.6	155.3
75°	66.9	67.2	67.2	67.8	69.4	70.6	71.8	74.9	80.6	90.7	104.7
77.5°	47.0	46.5	47.8	47.9	48.8	50.2	51.3	52.5	54.8	59.0	66.2
80°	34.1	34.1	34.4	35.3	35.0	35.6	37.2	38.4	41.2	43.7	46.1
82.5°	26.2	25.9	26.2	26.4	26.3	26.9	27.5	27.7	28.8	30.0	31.8
85°	14.3	14.3	14.6	14.6	14.8	14.8	15.2	15.2	15.2	15.5	15.8
87.5°	6.8	6.5	6.3	6.2	6.4	6.8	6.6	6.3	6.2	6.1	6.3
90°	6.9	6.7	6.5	6.4	6.1	5.9	5.5	5.2	4.9	4.6	4.2
92.5°	13.6	13.5	13.3	13.2	13.0	12.7	12.3	11.9	11.5	11.1	10.5
95°	24.8	24.6	24.5	24.4	24.3	24.0	23.6	23.1	22.7	22.2	21.5
97.5°	37.6	37.5	37.4	37.3	37.3	37.0	36.6	36.2	35.8	35.3	34.4
100°	47.3	47.1	47.0	46.9	46.7	46.4	45.8	45.2	44.7	44.1	43.3
102.5°	56.9	56.7	56.6	56.4	56.3	55.8	55.2	54.5	54.0	53.3	52.9
105°	71.5	71.3	71.1	70.8	70.7	70.4	70.0	69.6	69.2	68.9	68.5
107.5°	86.3	86.3	86.3	86.3	86.4	86.3	86.1	85.9	85.7	85.5	85.2
110°	97.4	97.4	97.5	97.6	97.7	97.6	97.4	97.2	97.0	96.9	96.6



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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	108.3	108.4	108.4	108.6	108.7	108.7	108.6	108.5	108.4	108.4	108.1
115°	125.3	125.4	125.5	125.6	125.6	125.6	125.7	125.8	125.9	126.0	125.8
117.5°	142.0	142.4	142.6	142.8	143.1	143.2	143.2	143.1	143.0	143.0	142.8
120°	153.6	153.8	154.1	154.3	154.6	154.7	154.7	154.7	154.7	154.7	154.7
122.5°	165.1	165.3	165.5	165.8	165.9	166.1	166.1	166.2	166.2	166.2	166.1
125°	182.4	182.5	182.5	182.6	182.6	182.8	182.9	183.0	183.1	183.3	183.2
127.5°	199.0	199.1	199.3	199.4	199.5	199.6	199.7	199.7	199.8	199.8	199.8
130°	210.1	210.2	210.3	210.4	210.6	210.7	210.8	210.8	210.8	210.9	210.8
132.5°	220.5	220.6	220.8	220.9	221.2	221.3	221.4	221.4	221.4	221.5	221.6
135°	236.6	236.8	237.1	237.3	237.6	237.7	237.7	237.7	237.7	237.7	237.7
137.5°	252.3	252.7	253.0	253.3	253.6	253.8	253.7	253.6	253.6	253.5	253.3
140°	262.5	262.9	263.2	263.5	263.8	263.9	263.7	263.7	263.5	263.3	263.2
142.5°	272.2	272.6	272.8	273.1	273.5	273.6	273.5	273.5	273.4	273.3	273.0
145°	286.7	286.9	287.1	287.3	287.5	287.6	287.6	287.6	287.6	287.6	287.4
147.5°	299.1	299.5	299.9	300.4	300.8	301.0	300.8	300.7	300.5	300.4	300.2
150°	308.3	308.4	308.6	308.8	308.8	308.9	308.9	308.9	308.9	308.9	308.7
152.5°	315.9	316.2	316.4	316.7	316.8	316.9	316.7	316.6	316.4	316.3	316.2
155°	326.8	327.1	327.4	327.8	328.1	328.1	327.8	327.6	327.3	327.1	327.0
157.5°	335.8	336.2	336.6	337.1	337.5	337.6	337.4	337.0	336.8	336.6	336.5
160°	342.0	342.3	342.7	343.0	343.3	343.3	343.1	342.8	342.6	342.3	342.3
162.5°	347.3	347.7	348.1	348.5	348.9	348.9	348.5	348.2	348.0	347.6	347.6
165°	354.4	354.8	355.2	355.6	356.0	356.0	355.8	355.6	355.3	355.0	355.0
167.5°	360.1	360.4	360.9	361.3	361.7	361.7	361.3	360.9	360.5	360.1	360.1
170°	363.1	363.5	363.9	364.4	364.8	364.9	364.5	364.1	363.8	363.4	363.4
172.5°	365.6	366.0	366.4	366.8	367.2	367.2	366.8	366.5	366.1	365.7	365.7
175°	367.9	368.4	368.8	369.3	369.7	369.8	369.4	369.0	368.7	368.3	368.3
177.5°	369.3	369.7	370.1	370.5	370.8	370.8	370.6	370.2	369.9	369.6	369.7
180°	370.3	370.3	370.3	370.3	370.3	370.3	370.3	370.3	370.3	370.3	370.3



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CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	754.5	754.5	754.5	754.5	754.5	754.5	754.5	754.5	754.5	754.5	754.5
2.5°	775.3	773.6	770.3	767.4	763.6	760.4	758.1	755.5	752.0	747.8	744.3
5°	809.6	802.7	793.8	786.0	776.2	768.4	760.3	752.6	744.9	734.9	726.3
7.5°	847.6	833.6	819.9	802.7	787.0	773.1	759.7	746.2	732.9	718.8	705.2
10°	870.9	853.9	834.9	813.3	793.4	774.6	757.2	740.2	722.3	706.5	689.4
12.5°	892.7	870.7	849.1	821.7	797.9	774.9	752.8	731.6	712.3	691.9	673.5
15°	912.4	890.7	866.6	833.2	800.0	772.1	746.1	718.5	694.7	671.7	651.3
17.5°	920.0	897.3	869.2	837.1	800.9	765.8	732.3	702.1	674.0	647.3	624.3
20°	917.0	895.0	866.3	835.6	796.9	760.3	724.1	690.6	659.3	631.2	606.7
22.5°	909.9	887.1	859.3	827.0	790.2	751.4	712.7	677.0	644.2	615.1	588.4
25°	899.1	868.1	839.6	808.0	773.1	734.7	694.7	655.3	620.4	590.6	561.5
27.5°	887.9	849.2	813.0	781.5	744.6	710.4	671.8	631.5	594.7	564.4	534.6
30°	877.8	834.4	794.4	758.8	723.8	691.3	654.7	615.4	577.6	546.3	516.0
32.5°	865.1	819.0	775.1	734.0	700.3	668.0	634.9	597.3	560.5	528.2	497.4
35°	849.2	790.4	742.7	699.0	661.5	630.2	600.5	570.1	533.3	499.9	469.9
37.5°	828.4	761.7	706.5	658.8	619.4	587.9	564.5	536.7	503.1	471.1	443.2
40°	815.8	740.9	680.4	633.3	591.8	558.7	536.7	513.1	482.5	452.5	424.6
42.5°	798.9	721.8	654.2	605.1	563.4	531.5	509.2	488.7	462.9	434.6	404.8
45°	765.9	684.8	613.8	561.2	519.1	487.8	467.0	448.7	429.3	403.2	377.2
47.5°	722.9	646.2	571.9	514.5	473.2	444.2	424.0	409.6	395.7	373.6	348.3
50°	688.5	614.5	542.0	486.2	442.3	414.7	395.8	384.3	371.6	351.6	330.4
52.5°	647.8	581.8	510.8	453.8	412.3	386.5	368.3	356.9	346.3	330.0	309.9
55°	583.8	525.9	460.8	409.1	371.0	345.0	327.7	316.8	310.6	296.7	280.9
57.5°	509.9	468.4	411.1	361.2	327.5	301.7	289.1	279.9	272.9	263.0	251.8
60°	458.4	429.3	377.8	330.4	299.5	275.0	263.6	255.8	249.3	240.9	232.3
62.5°	406.1	384.9	340.2	299.5	271.0	250.5	239.8	232.8	225.3	219.6	211.2
65°	336.1	317.2	286.2	254.3	228.0	211.6	203.8	197.6	193.0	186.8	180.8
67.5°	261.4	253.7	232.4	210.3	191.4	176.8	170.2	165.8	160.2	156.5	152.5
70°	215.6	211.8	196.7	182.1	164.4	154.6	148.4	146.5	139.7	136.0	133.1
72.5°	175.0	173.2	164.4	154.3	141.9	133.2	127.5	125.4	121.1	118.1	116.3
75°	119.8	120.5	119.0	112.4	107.8	102.2	97.3	96.0	92.9	90.4	88.9
77.5°	75.8	79.0	79.1	78.8	77.0	73.5	71.5	70.5	67.5	66.6	66.2
80°	52.0	55.4	58.5	58.2	57.6	56.7	55.1	54.2	52.7	51.7	51.1
82.5°	34.7	37.8	40.4	42.2	42.0	41.1	40.0	39.5	39.3	38.6	38.5
85°	16.4	17.0	17.9	20.1	21.7	22.0	21.7	21.4	20.5	20.8	21.0
87.5°	6.4	6.4	6.5	6.4	6.0	7.2	7.8	8.0	7.6	7.2	6.8
90°	3.8	3.3	2.9	2.4	1.8	1.3	0.8	0.3	0.8	1.3	1.8
92.5°	9.9	9.4	8.9	8.4	8.1	7.7	7.3	7.0	7.3	7.7	8.1
95°	20.9	20.3	19.6	19.2	19.1	19.0	18.8	18.8	18.8	19.0	19.1
97.5°	33.6	32.7	31.8	31.3	31.3	31.2	31.1	31.1	31.1	31.2	31.3
100°	42.4	41.6	40.8	40.4	40.4	40.4	40.4	40.4	40.4	40.4	40.4
102.5°	52.4	52.0	51.6	51.3	51.0	50.8	50.5	50.2	50.5	50.8	51.0
105°	68.1	67.8	67.3	67.0	66.7	66.4	66.0	65.7	66.0	66.4	66.7
107.5°	85.0	84.6	84.4	84.1	83.7	83.4	83.1	82.8	83.1	83.4	83.7
110°	96.4	96.2	96.0	95.8	95.5	95.1	94.8	94.5	94.8	95.1	95.5



TEST NUMBER: P333521-930

CATALOG NUMBER: S125RDIP-S610D365U930-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	107.9	107.6	107.4	107.1	107.0	106.8	106.6	106.5	106.6	106.8	107.0
115°	125.6	125.6	125.4	125.2	125.0	124.7	124.4	124.2	124.4	124.7	125.0
117.5°	142.8	142.7	142.5	142.4	142.3	142.2	142.0	141.9	142.0	142.2	142.3
120°	154.6	154.6	154.5	154.3	154.0	153.7	153.4	153.0	153.4	153.7	154.0
122.5°	165.9	165.8	165.6	165.4	165.3	165.3	165.1	165.0	165.1	165.3	165.3
125°	183.1	183.1	183.0	182.8	182.4	182.1	181.6	181.2	181.6	182.1	182.4
127.5°	199.7	199.7	199.6	199.4	199.2	199.0	198.8	198.5	198.8	199.0	199.2
130°	210.7	210.5	210.4	210.2	209.9	209.5	209.2	208.9	209.2	209.5	209.9
132.5°	221.6	221.6	221.7	221.4	220.9	220.4	219.8	219.3	219.8	220.4	220.9
135°	237.6	237.6	237.5	237.3	236.8	236.5	236.1	235.7	236.1	236.5	236.8
137.5°	253.2	253.1	252.9	252.7	252.3	251.9	251.5	251.2	251.5	251.9	252.3
140°	263.0	262.8	262.6	262.4	262.0	261.7	261.4	261.1	261.4	261.7	262.0
142.5°	272.8	272.6	272.3	272.1	271.8	271.5	271.3	271.0	271.3	271.5	271.8
145°	287.2	287.0	286.8	286.6	286.3	286.1	285.8	285.6	285.8	286.1	286.3
147.5°	300.1	299.9	299.8	299.6	299.5	299.3	299.2	299.1	299.2	299.3	299.5
150°	308.4	308.1	307.9	307.8	307.9	307.9	308.0	308.0	308.0	307.9	307.9
152.5°	316.1	316.0	315.8	315.8	315.7	315.6	315.5	315.4	315.5	315.6	315.7
155°	326.9	326.9	326.8	326.8	326.8	326.8	326.8	326.8	326.8	326.8	326.8
157.5°	336.5	336.4	336.3	336.4	336.5	336.6	336.8	336.9	336.8	336.6	336.5
160°	342.2	342.2	342.1	342.2	342.3	342.5	342.8	342.9	342.8	342.5	342.3
162.5°	347.6	347.6	347.6	347.6	347.8	348.0	348.1	348.2	348.1	348.0	347.8
165°	354.9	354.8	354.7	354.8	354.9	355.1	355.1	355.3	355.1	355.1	354.9
167.5°	360.1	360.1	360.1	360.3	360.5	360.8	361.0	361.3	361.0	360.8	360.5
170°	363.4	363.4	363.4	363.5	363.8	364.0	364.3	364.5	364.3	364.0	363.8
172.5°	365.7	365.7	365.7	365.8	366.1	366.3	366.6	366.8	366.6	366.3	366.1
175°	368.3	368.3	368.3	368.4	368.7	368.9	369.2	369.4	369.2	368.9	368.7
177.5°	369.7	369.7	369.8	369.9	370.1	370.3	370.6	370.7	370.6	370.3	370.1
180°	370.3	370.3	370.3	370.3	370.3	370.3	370.3	370.3	370.3	370.3	370.3



TEST NUMBER: P333521-930

CATALOG NUMBER: S125RDIP-S610D365U930-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	754.5	754.5	754.5	754.5	754.5	754.5	754.5	754.5	754.5	754.5	754.5
2.5°	741.8	738.3	735.9	730.9	727.4	725.9	723.3	722.5	725.2	723.3	723.0
5°	719.7	710.8	703.7	696.5	688.8	683.9	676.4	675.1	673.3	670.5	669.9
7.5°	693.3	681.6	672.5	660.6	650.4	642.2	632.9	628.5	626.1	622.5	617.7
10°	675.5	661.5	649.1	637.4	624.7	614.5	605.2	598.0	593.4	589.1	587.2
12.5°	657.9	643.7	627.9	613.6	599.4	587.9	577.6	573.0	567.9	562.8	558.5
15°	630.6	611.6	594.4	577.9	565.8	553.4	543.6	536.7	529.0	526.8	518.4
17.5°	601.6	583.0	562.7	545.4	531.5	517.8	507.0	499.2	493.3	485.3	481.5
20°	583.5	561.5	541.7	525.9	510.4	494.3	483.1	476.6	471.1	464.6	461.5
22.5°	564.2	542.7	522.4	503.9	488.1	472.2	464.3	457.5	451.3	445.2	441.2
25°	535.8	514.1	492.8	473.5	457.1	445.6	436.3	428.6	425.3	419.3	415.0
27.5°	507.8	484.7	462.5	443.4	430.5	419.1	411.6	405.4	399.3	394.1	390.4
30°	489.7	466.1	442.0	426.8	413.1	402.4	394.0	388.1	383.4	378.8	376.0
32.5°	471.6	447.3	425.8	409.4	396.6	387.2	378.6	372.9	368.0	362.9	359.6
35°	442.5	417.8	400.5	384.3	371.6	363.0	357.1	349.0	345.0	341.3	337.9
37.5°	415.6	392.6	373.8	359.7	348.7	340.1	332.5	328.1	323.2	319.8	317.0
40°	395.8	374.7	357.8	342.8	334.8	325.2	318.0	312.5	308.8	304.4	301.3
42.5°	378.0	358.4	341.9	328.5	318.5	310.3	303.5	297.9	293.2	290.1	287.5
45°	352.8	333.2	317.2	304.8	295.5	287.7	280.6	277.8	271.6	267.9	266.7
47.5°	326.7	309.2	293.7	282.3	272.7	265.4	258.7	253.1	249.6	246.0	244.0
50°	309.1	292.4	277.8	266.7	257.4	249.3	243.1	239.4	234.7	231.4	228.9
52.5°	291.5	276.0	261.5	250.8	242.7	234.7	227.8	224.0	219.6	217.4	215.7
55°	266.4	250.0	237.6	227.0	218.7	211.2	204.7	201.0	198.2	196.1	195.4
57.5°	237.8	224.9	213.4	203.8	195.2	188.2	182.5	179.0	176.5	176.2	174.3
60°	219.2	207.5	197.0	186.8	179.3	172.8	167.9	163.9	161.3	161.0	160.5
62.5°	200.7	189.4	179.6	170.6	164.0	157.7	153.0	148.5	147.0	145.4	144.1
65°	173.1	162.9	154.8	147.7	140.6	135.3	130.7	127.9	124.5	122.6	119.3
67.5°	146.0	138.1	130.4	124.4	118.8	113.8	110.0	105.8	103.5	102.0	99.5
70°	128.2	122.1	114.3	107.8	103.5	99.4	96.3	91.6	90.1	88.9	87.6
72.5°	111.4	105.9	99.4	94.2	89.8	86.0	82.4	80.3	78.8	77.5	76.7
75°	87.6	82.3	76.8	73.1	70.0	66.9	65.1	63.5	62.9	62.5	61.3
77.5°	64.3	61.6	57.1	54.1	52.1	50.9	49.2	48.3	48.3	47.0	46.6
80°	49.2	47.7	43.9	42.7	41.2	39.9	39.1	37.5	36.0	35.3	34.4
82.5°	36.6	35.1	33.6	31.6	30.3	29.5	28.6	28.0	28.2	27.4	26.9
85°	19.5	17.9	17.4	17.0	16.4	17.0	16.7	16.4	16.1	15.8	16.1
87.5°	6.7	6.8	6.6	7.2	6.5	6.8	6.9	6.8	6.8	6.8	6.7
90°	2.4	2.9	3.3	3.8	4.2	4.6	4.9	5.2	5.5	5.9	6.1
92.5°	8.4	8.9	9.4	9.9	10.5	11.1	11.5	11.9	12.3	12.7	13.0
95°	19.2	19.6	20.3	20.9	21.5	22.2	22.7	23.1	23.6	24.0	24.3
97.5°	31.3	31.8	32.7	33.6	34.4	35.3	35.8	36.2	36.6	37.0	37.3
100°	40.4	40.8	41.6	42.4	43.3	44.1	44.7	45.2	45.8	46.4	46.7
102.5°	51.3	51.6	52.0	52.4	52.9	53.3	54.0	54.5	55.2	55.8	56.3
105°	67.0	67.3	67.8	68.1	68.5	68.9	69.2	69.6	70.0	70.4	70.7
107.5°	84.1	84.4	84.6	85.0	85.2	85.5	85.7	85.9	86.1	86.3	86.4
110°	95.8	96.0	96.2	96.4	96.6	96.9	97.0	97.2	97.4	97.6	97.7



TEST NUMBER: P333521-930

CATALOG NUMBER: S125RDIP-S610D365U930-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	107.1	107.4	107.6	107.9	108.1	108.4	108.4	108.5	108.6	108.7	108.7
115°	125.2	125.4	125.6	125.6	125.8	126.0	125.9	125.8	125.7	125.6	125.6
117.5°	142.4	142.5	142.7	142.8	142.8	143.0	143.0	143.1	143.2	143.2	143.1
120°	154.3	154.5	154.6	154.6	154.7	154.7	154.7	154.7	154.7	154.7	154.6
122.5°	165.4	165.6	165.8	165.9	166.1	166.2	166.2	166.2	166.1	166.1	165.9
125°	182.8	183.0	183.1	183.1	183.2	183.3	183.1	183.0	182.9	182.8	182.6
127.5°	199.4	199.6	199.7	199.7	199.8	199.8	199.8	199.7	199.7	199.6	199.5
130°	210.2	210.4	210.5	210.7	210.8	210.9	210.8	210.8	210.8	210.7	210.6
132.5°	221.4	221.7	221.6	221.6	221.6	221.5	221.4	221.4	221.4	221.3	221.2
135°	237.3	237.5	237.6	237.6	237.7	237.7	237.7	237.7	237.7	237.7	237.6
137.5°	252.7	252.9	253.1	253.2	253.3	253.5	253.6	253.6	253.7	253.8	253.6
140°	262.4	262.6	262.8	263.0	263.2	263.3	263.5	263.7	263.7	263.9	263.8
142.5°	272.1	272.3	272.6	272.8	273.0	273.3	273.4	273.5	273.5	273.6	273.5
145°	286.6	286.8	287.0	287.2	287.4	287.6	287.6	287.6	287.6	287.6	287.5
147.5°	299.6	299.8	299.9	300.1	300.2	300.4	300.5	300.7	300.8	301.0	300.8
150°	307.8	307.9	308.1	308.4	308.7	308.9	308.9	308.9	308.9	308.9	308.8
152.5°	315.8	315.8	316.0	316.1	316.2	316.3	316.4	316.6	316.7	316.9	316.8
155°	326.8	326.8	326.9	326.9	327.0	327.1	327.3	327.6	327.8	328.1	328.1
157.5°	336.4	336.3	336.4	336.5	336.5	336.6	336.8	337.0	337.4	337.6	337.5
160°	342.2	342.1	342.2	342.2	342.3	342.3	342.6	342.8	343.1	343.3	343.3
162.5°	347.6	347.6	347.6	347.6	347.6	347.6	348.0	348.2	348.5	348.9	348.9
165°	354.8	354.7	354.8	354.9	355.0	355.0	355.3	355.6	355.8	356.0	356.0
167.5°	360.3	360.1	360.1	360.1	360.1	360.1	360.5	360.9	361.3	361.7	361.7
170°	363.5	363.4	363.4	363.4	363.4	363.4	363.8	364.1	364.5	364.9	364.8
172.5°	365.8	365.7	365.7	365.7	365.7	365.7	366.1	366.5	366.8	367.2	367.2
175°	368.4	368.3	368.3	368.3	368.3	368.3	368.7	369.0	369.4	369.8	369.7
177.5°	369.9	369.8	369.7	369.7	369.7	369.6	369.9	370.2	370.6	370.8	370.8
180°	370.3	370.3	370.3	370.3	370.3	370.3	370.3	370.3	370.3	370.3	370.3



TEST NUMBER: P333521-930

CATALOG NUMBER: S125RDIP-S610D365U930-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	754.5	754.5	754.5	754.5	754.5	754.5	754.5	754.5	754.5	754.5	754.5
2.5°	722.8	720.0	719.3	720.2	719.3	720.0	722.8	723.0	723.3	725.2	722.5
5°	666.8	663.7	665.3	664.6	665.3	663.7	666.8	669.9	670.5	673.3	675.1
7.5°	617.6	613.8	609.7	611.0	609.7	613.8	617.6	617.7	622.5	626.1	628.5
10°	583.2	580.1	578.2	579.8	578.2	580.1	583.2	587.2	589.1	593.4	598.0
12.5°	554.2	552.4	550.7	550.1	550.7	552.4	554.2	558.5	562.8	567.9	573.0
15°	514.7	511.0	509.5	505.5	509.5	511.0	514.7	518.4	526.8	529.0	536.7
17.5°	478.3	477.1	473.1	471.4	473.1	477.1	478.3	481.5	485.3	493.3	499.2
20°	456.8	455.6	451.6	454.0	451.6	455.6	456.8	461.5	464.6	471.1	476.6
22.5°	439.0	436.3	435.0	434.2	435.0	436.3	439.0	441.2	445.2	451.3	457.5
25°	413.8	409.8	408.2	406.3	408.2	409.8	413.8	415.0	419.3	425.3	428.6
27.5°	388.7	386.5	384.4	383.9	384.4	386.5	388.7	390.4	394.1	399.3	405.4
30°	372.3	370.1	368.5	368.5	368.5	370.1	372.3	376.0	378.8	383.4	388.1
32.5°	357.7	356.0	354.4	354.2	354.4	356.0	357.7	359.6	362.9	368.0	372.9
35°	336.3	333.9	333.2	331.4	333.2	333.9	336.3	337.9	341.3	345.0	349.0
37.5°	314.2	312.2	312.1	311.9	312.1	312.2	314.2	317.0	319.8	323.2	328.1
40°	300.1	298.6	298.2	296.1	298.2	298.6	300.1	301.3	304.4	308.8	312.5
42.5°	285.0	284.2	283.2	282.2	283.2	284.2	285.0	287.5	290.1	293.2	297.9
45°	264.5	262.4	262.4	260.8	262.4	262.4	264.5	266.7	267.9	271.6	277.8
47.5°	243.3	241.7	241.8	240.2	241.8	241.7	243.3	244.0	246.0	249.6	253.1
50°	229.2	228.3	228.0	227.3	228.0	228.3	229.2	228.9	231.4	234.7	239.4
52.5°	215.1	214.7	215.8	214.4	215.8	214.7	215.1	215.7	217.4	219.6	224.0
55°	196.1	195.1	197.0	195.1	197.0	195.1	196.1	195.4	196.1	198.2	201.0
57.5°	174.1	173.3	175.0	174.1	175.0	173.3	174.1	174.3	176.2	176.5	179.0
60°	159.8	157.9	158.9	159.2	158.9	157.9	159.8	160.5	161.0	161.3	163.9
62.5°	142.7	141.6	142.3	140.9	142.3	141.6	142.7	144.1	145.4	147.0	148.5
65°	118.6	117.7	116.4	115.9	116.4	117.7	118.6	119.3	122.6	124.5	127.9
67.5°	99.6	97.4	97.3	97.8	97.3	97.4	99.6	99.5	102.0	103.5	105.8
70°	85.8	85.8	85.4	85.4	85.4	85.8	85.8	87.6	88.9	90.1	91.6
72.5°	76.1	75.9	75.3	75.1	75.3	75.9	76.1	76.7	77.5	78.8	80.3
75°	61.3	61.6	61.0	60.7	61.0	61.6	61.3	61.3	62.5	62.9	63.5
77.5°	45.2	43.9	44.7	43.9	44.7	43.9	45.2	46.6	47.0	48.3	48.3
80°	34.4	34.1	35.0	34.1	35.0	34.1	34.4	34.4	35.3	36.0	37.5
82.5°	27.2	26.9	27.3	26.7	27.3	26.9	27.2	26.9	27.4	28.2	28.0
85°	16.4	16.1	15.8	16.1	15.8	16.1	16.4	16.1	15.8	16.1	16.4
87.5°	6.9	6.8	6.8	6.8	6.8	6.8	6.9	6.7	6.8	6.8	6.8
90°	6.4	6.5	6.7	6.9	6.7	6.5	6.4	6.1	5.9	5.5	5.2
92.5°	13.2	13.3	13.5	13.6	13.5	13.3	13.2	13.0	12.7	12.3	11.9
95°	24.4	24.5	24.6	24.8	24.6	24.5	24.4	24.3	24.0	23.6	23.1
97.5°	37.3	37.4	37.5	37.6	37.5	37.4	37.3	37.3	37.0	36.6	36.2
100°	46.9	47.0	47.1	47.3	47.1	47.0	46.9	46.7	46.4	45.8	45.2
102.5°	56.4	56.6	56.7	56.9	56.7	56.6	56.4	56.3	55.8	55.2	54.5
105°	70.8	71.1	71.3	71.5	71.3	71.1	70.8	70.7	70.4	70.0	69.6
107.5°	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.4	86.3	86.1	85.9
110°	97.6	97.5	97.4	97.4	97.4	97.5	97.6	97.7	97.6	97.4	97.2



TEST NUMBER: P333521-930

CATALOG NUMBER: S125RDIP-S610D365U930-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	108.6	108.4	108.4	108.3	108.4	108.4	108.6	108.7	108.7	108.6	108.5
115°	125.6	125.5	125.4	125.3	125.4	125.5	125.6	125.6	125.6	125.7	125.8
117.5°	142.8	142.6	142.4	142.0	142.4	142.6	142.8	143.1	143.2	143.2	143.1
120°	154.3	154.1	153.8	153.6	153.8	154.1	154.3	154.6	154.7	154.7	154.7
122.5°	165.8	165.5	165.3	165.1	165.3	165.5	165.8	165.9	166.1	166.1	166.2
125°	182.6	182.5	182.5	182.4	182.5	182.5	182.6	182.6	182.8	182.9	183.0
127.5°	199.4	199.3	199.1	199.0	199.1	199.3	199.4	199.5	199.6	199.7	199.7
130°	210.4	210.3	210.2	210.1	210.2	210.3	210.4	210.6	210.7	210.8	210.8
132.5°	220.9	220.8	220.6	220.5	220.6	220.8	220.9	221.2	221.3	221.4	221.4
135°	237.3	237.1	236.8	236.6	236.8	237.1	237.3	237.6	237.7	237.7	237.7
137.5°	253.3	253.0	252.7	252.3	252.7	253.0	253.3	253.6	253.8	253.7	253.6
140°	263.5	263.2	262.9	262.5	262.9	263.2	263.5	263.8	263.9	263.7	263.7
142.5°	273.1	272.8	272.6	272.2	272.6	272.8	273.1	273.5	273.6	273.5	273.5
145°	287.3	287.1	286.9	286.7	286.9	287.1	287.3	287.5	287.6	287.6	287.6
147.5°	300.4	299.9	299.5	299.1	299.5	299.9	300.4	300.8	301.0	300.8	300.7
150°	308.8	308.6	308.4	308.3	308.4	308.6	308.8	308.8	308.9	308.9	308.9
152.5°	316.7	316.4	316.2	315.9	316.2	316.4	316.7	316.8	316.9	316.7	316.6
155°	327.8	327.4	327.1	326.8	327.1	327.4	327.8	328.1	328.1	327.8	327.6
157.5°	337.1	336.6	336.2	335.8	336.2	336.6	337.1	337.5	337.6	337.4	337.0
160°	343.0	342.7	342.3	342.0	342.3	342.7	343.0	343.3	343.3	343.1	342.8
162.5°	348.5	348.1	347.7	347.3	347.7	348.1	348.5	348.9	348.9	348.5	348.2
165°	355.6	355.2	354.8	354.4	354.8	355.2	355.6	356.0	356.0	355.8	355.6
167.5°	361.3	360.9	360.4	360.1	360.4	360.9	361.3	361.7	361.7	361.3	360.9
170°	364.4	363.9	363.5	363.1	363.5	363.9	364.4	364.8	364.9	364.5	364.1
172.5°	366.8	366.4	366.0	365.6	366.0	366.4	366.8	367.2	367.2	366.8	366.5
175°	369.3	368.8	368.4	367.9	368.4	368.8	369.3	369.7	369.8	369.4	369.0
177.5°	370.5	370.1	369.7	369.3	369.7	370.1	370.5	370.8	370.8	370.6	370.2
180°	370.3	370.3	370.3	370.3	370.3	370.3	370.3	370.3	370.3	370.3	370.3



TEST NUMBER: P333521-930

CATALOG NUMBER: S125RDIP-S610D365U930-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	754.5	754.5	754.5	754.5	754.5	754.5	754.5	754.5	754.5	754.5	754.5
2.5°	723.3	725.9	727.4	730.9	735.9	738.3	741.8	744.3	747.8	752.0	755.5
5°	676.4	683.9	688.8	696.5	703.7	710.8	719.7	726.3	734.9	744.9	752.6
7.5°	632.9	642.2	650.4	660.6	672.5	681.6	693.3	705.2	718.8	732.9	746.2
10°	605.2	614.5	624.7	637.4	649.1	661.5	675.5	689.4	706.5	722.3	740.2
12.5°	577.6	587.9	599.4	613.6	627.9	643.7	657.9	673.5	691.9	712.3	731.6
15°	543.6	553.4	565.8	577.9	594.4	611.6	630.6	651.3	671.7	694.7	718.5
17.5°	507.0	517.8	531.5	545.4	562.7	583.0	601.6	624.3	647.3	674.0	702.1
20°	483.1	494.3	510.4	525.9	541.7	561.5	583.5	606.7	631.2	659.3	690.6
22.5°	464.3	472.2	488.1	503.9	522.4	542.7	564.2	588.4	615.1	644.2	677.0
25°	436.3	445.6	457.1	473.5	492.8	514.1	535.8	561.5	590.6	620.4	655.3
27.5°	411.6	419.1	430.5	443.4	462.5	484.7	507.8	534.6	564.4	594.7	631.5
30°	394.0	402.4	413.1	426.8	442.0	466.1	489.7	516.0	546.3	577.6	615.4
32.5°	378.6	387.2	396.6	409.4	425.8	447.3	471.6	497.4	528.2	560.5	597.3
35°	357.1	363.0	371.6	384.3	400.5	417.8	442.5	469.9	499.9	533.3	570.1
37.5°	332.5	340.1	348.7	359.7	373.8	392.6	415.6	443.2	471.1	503.1	536.7
40°	318.0	325.2	334.8	342.8	357.8	374.7	395.8	424.6	452.5	482.5	513.1
42.5°	303.5	310.3	318.5	328.5	341.9	358.4	378.0	404.8	434.6	462.9	488.7
45°	280.6	287.7	295.5	304.8	317.2	333.2	352.8	377.2	403.2	429.3	448.7
47.5°	258.7	265.4	272.7	282.3	293.7	309.2	326.7	348.3	373.6	395.7	409.6
50°	243.1	249.3	257.4	266.7	277.8	292.4	309.1	330.4	351.6	371.6	384.3
52.5°	227.8	234.7	242.7	250.8	261.5	276.0	291.5	309.9	330.0	346.3	356.9
55°	204.7	211.2	218.7	227.0	237.6	250.0	266.4	280.9	296.7	310.6	316.8
57.5°	182.5	188.2	195.2	203.8	213.4	224.9	237.8	251.8	263.0	272.9	279.9
60°	167.9	172.8	179.3	186.8	197.0	207.5	219.2	232.3	240.9	249.3	255.8
62.5°	153.0	157.7	164.0	170.6	179.6	189.4	200.7	211.2	219.6	225.3	232.8
65°	130.7	135.3	140.6	147.7	154.8	162.9	173.1	180.8	186.8	193.0	197.6
67.5°	110.0	113.8	118.8	124.4	130.4	138.1	146.0	152.5	156.5	160.2	165.8
70°	96.3	99.4	103.5	107.8	114.3	122.1	128.2	133.1	136.0	139.7	146.5
72.5°	82.4	86.0	89.8	94.2	99.4	105.9	111.4	116.3	118.1	121.1	125.4
75°	65.1	66.9	70.0	73.1	76.8	82.3	87.6	88.9	90.4	92.9	96.0
77.5°	49.2	50.9	52.1	54.1	57.1	61.6	64.3	66.2	66.6	67.5	70.5
80°	39.1	39.9	41.2	42.7	43.9	47.7	49.2	51.1	51.7	52.7	54.2
82.5°	28.6	29.5	30.3	31.6	33.6	35.1	36.6	38.5	38.6	39.3	39.5
85°	16.7	17.0	16.4	17.0	17.4	17.9	19.5	21.0	20.8	20.5	21.4
87.5°	6.9	6.8	6.5	7.2	6.6	6.8	6.7	6.8	7.2	7.6	8.0
90°	4.9	4.6	4.2	3.8	3.3	2.9	2.4	1.8	1.3	0.8	0.3
92.5°	11.5	11.1	10.5	9.9	9.4	8.9	8.4	8.1	7.7	7.3	7.0
95°	22.7	22.2	21.5	20.9	20.3	19.6	19.2	19.1	19.0	18.8	18.8
97.5°	35.8	35.3	34.4	33.6	32.7	31.8	31.3	31.3	31.2	31.1	31.1
100°	44.7	44.1	43.3	42.4	41.6	40.8	40.4	40.4	40.4	40.4	40.4
102.5°	54.0	53.3	52.9	52.4	52.0	51.6	51.3	51.0	50.8	50.5	50.2
105°	69.2	68.9	68.5	68.1	67.8	67.3	67.0	66.7	66.4	66.0	65.7
107.5°	85.7	85.5	85.2	85.0	84.6	84.4	84.1	83.7	83.4	83.1	82.8
110°	97.0	96.9	96.6	96.4	96.2	96.0	95.8	95.5	95.1	94.8	94.5



TEST NUMBER: P333521-930

CATALOG NUMBER: S125RDIP-S610D365U930-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	108.4	108.4	108.1	107.9	107.6	107.4	107.1	107.0	106.8	106.6	106.5
115°	125.9	126.0	125.8	125.6	125.6	125.4	125.2	125.0	124.7	124.4	124.2
117.5°	143.0	143.0	142.8	142.8	142.7	142.5	142.4	142.3	142.2	142.0	141.9
120°	154.7	154.7	154.7	154.6	154.6	154.5	154.3	154.0	153.7	153.4	153.0
122.5°	166.2	166.2	166.1	165.9	165.8	165.6	165.4	165.3	165.3	165.1	165.0
125°	183.1	183.3	183.2	183.1	183.1	183.0	182.8	182.4	182.1	181.6	181.2
127.5°	199.8	199.8	199.8	199.7	199.7	199.6	199.4	199.2	199.0	198.8	198.5
130°	210.8	210.9	210.8	210.7	210.5	210.4	210.2	209.9	209.5	209.2	208.9
132.5°	221.4	221.5	221.6	221.6	221.6	221.7	221.4	220.9	220.4	219.8	219.3
135°	237.7	237.7	237.7	237.6	237.6	237.5	237.3	236.8	236.5	236.1	235.7
137.5°	253.6	253.5	253.3	253.2	253.1	252.9	252.7	252.3	251.9	251.5	251.2
140°	263.5	263.3	263.2	263.0	262.8	262.6	262.4	262.0	261.7	261.4	261.1
142.5°	273.4	273.3	273.0	272.8	272.6	272.3	272.1	271.8	271.5	271.3	271.0
145°	287.6	287.6	287.4	287.2	287.0	286.8	286.6	286.3	286.1	285.8	285.6
147.5°	300.5	300.4	300.2	300.1	299.9	299.8	299.6	299.5	299.3	299.2	299.1
150°	308.9	308.9	308.7	308.4	308.1	307.9	307.8	307.9	307.9	308.0	308.0
152.5°	316.4	316.3	316.2	316.1	316.0	315.8	315.8	315.7	315.6	315.5	315.4
155°	327.3	327.1	327.0	326.9	326.9	326.8	326.8	326.8	326.8	326.8	326.8
157.5°	336.8	336.6	336.5	336.5	336.4	336.3	336.4	336.5	336.6	336.8	336.9
160°	342.6	342.3	342.3	342.2	342.2	342.1	342.2	342.3	342.5	342.8	342.9
162.5°	348.0	347.6	347.6	347.6	347.6	347.6	347.6	347.8	348.0	348.1	348.2
165°	355.3	355.0	355.0	354.9	354.8	354.7	354.8	354.9	355.1	355.1	355.3
167.5°	360.5	360.1	360.1	360.1	360.1	360.1	360.3	360.5	360.8	361.0	361.3
170°	363.8	363.4	363.4	363.4	363.4	363.4	363.5	363.8	364.0	364.3	364.5
172.5°	366.1	365.7	365.7	365.7	365.7	365.7	365.8	366.1	366.3	366.6	366.8
175°	368.7	368.3	368.3	368.3	368.3	368.3	368.4	368.7	368.9	369.2	369.4
177.5°	369.9	369.6	369.7	369.7	369.7	369.8	369.9	370.1	370.3	370.6	370.7
180°	370.3	370.3	370.3	370.3	370.3	370.3	370.3	370.3	370.3	370.3	370.3



TEST NUMBER: P333521-930

CATALOG NUMBER: S125RDIP-S610D365U930-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	754.5	754.5	754.5	754.5	754.5	754.5	754.5	754.5	754.5	754.5	754.5
2.5°	758.1	760.4	763.6	767.4	770.3	773.6	775.3	775.3	776.7	780.0	784.2
5°	760.3	768.4	776.2	786.0	793.8	802.7	809.6	816.1	822.0	829.4	837.1
7.5°	759.7	773.1	787.0	802.7	819.9	833.6	847.6	858.7	869.5	883.8	895.0
10°	757.2	774.6	793.4	813.3	834.9	853.9	870.9	886.4	901.2	916.7	930.7
12.5°	752.8	774.9	797.9	821.7	849.1	870.7	892.7	909.2	926.5	943.5	960.7
15°	746.1	772.1	800.0	833.2	866.6	890.7	912.4	933.8	949.9	969.1	985.5
17.5°	732.3	765.8	800.9	837.1	869.2	897.3	920.0	940.4	957.5	978.6	1000.9
20°	724.1	760.3	796.9	835.6	866.3	895.0	917.0	938.1	959.4	987.1	1014.3
22.5°	712.7	751.4	790.2	827.0	859.3	887.1	909.9	935.6	963.7	995.0	1027.9
25°	694.7	734.7	773.1	808.0	839.6	868.1	899.1	933.8	967.8	1009.0	1056.4
27.5°	671.8	710.4	744.6	781.5	813.0	849.2	887.9	925.4	974.6	1031.3	1090.5
30°	654.7	691.3	723.8	758.8	794.4	834.4	877.8	922.0	980.6	1047.1	1117.4
32.5°	634.9	668.0	700.3	734.0	775.1	819.0	865.1	919.2	989.2	1064.9	1137.8
35°	600.5	630.2	661.5	699.0	742.7	790.4	849.2	915.2	999.7	1081.2	1146.6
37.5°	564.5	587.9	619.4	658.8	706.5	761.7	828.4	908.6	995.4	1068.5	1096.3
40°	536.7	558.7	591.8	633.3	680.4	740.9	815.8	898.1	985.5	1036.2	1034.1
42.5°	509.2	531.5	563.4	605.1	654.2	721.8	798.9	884.5	958.2	977.5	937.3
45°	467.0	487.8	519.1	561.2	613.8	684.8	765.9	848.0	895.0	863.8	783.9
47.5°	424.0	444.2	473.2	514.5	571.9	646.2	722.9	790.3	796.9	729.7	633.8
50°	395.8	414.7	442.3	486.2	542.0	614.5	688.5	741.4	725.0	642.9	544.1
52.5°	368.3	386.5	412.3	453.8	510.8	581.8	647.8	689.4	651.4	564.2	475.3
55°	327.7	345.0	371.0	409.1	460.8	525.9	583.8	599.0	543.2	455.3	383.4
57.5°	289.1	301.7	327.5	361.2	411.1	468.4	509.9	507.2	445.6	366.5	315.0
60°	263.6	275.0	299.5	330.4	377.8	429.3	458.4	446.0	383.8	318.4	268.8
62.5°	239.8	250.5	271.0	299.5	340.2	384.9	406.1	389.0	330.2	272.8	233.4
65°	203.8	211.6	228.0	254.3	286.2	317.2	336.1	311.0	258.9	215.6	185.8
67.5°	170.2	176.8	191.4	210.3	232.4	253.7	261.4	237.8	197.4	168.2	147.2
70°	148.4	154.6	164.4	182.1	196.7	211.8	215.6	194.5	160.8	138.4	125.4
72.5°	127.5	133.2	141.9	154.3	164.4	173.2	175.0	155.3	129.6	114.1	104.1
75°	97.3	102.2	107.8	112.4	119.0	120.5	119.8	104.7	90.7	80.6	74.9
77.5°	71.5	73.5	77.0	78.8	79.1	79.0	75.8	66.2	59.0	54.8	52.5
80°	55.1	56.7	57.6	58.2	58.5	55.4	52.0	46.1	43.7	41.2	38.4
82.5°	40.0	41.1	42.0	42.2	40.4	37.8	34.7	31.8	30.0	28.8	27.7
85°	21.7	22.0	21.7	20.1	17.9	17.0	16.4	15.8	15.5	15.2	15.2
87.5°	7.8	7.2	6.0	6.4	6.5	6.4	6.4	6.3	6.1	6.2	6.3
90°	0.8	1.3	1.8	2.4	2.9	3.3	3.8	4.2	4.6	4.9	5.2
92.5°	7.3	7.7	8.1	8.4	8.9	9.4	9.9	10.5	11.1	11.5	11.9
95°	18.8	19.0	19.1	19.2	19.6	20.3	20.9	21.5	22.2	22.7	23.1
97.5°	31.1	31.2	31.3	31.3	31.8	32.7	33.6	34.4	35.3	35.8	36.2
100°	40.4	40.4	40.4	40.4	40.8	41.6	42.4	43.3	44.1	44.7	45.2
102.5°	50.5	50.8	51.0	51.3	51.6	52.0	52.4	52.9	53.3	54.0	54.5
105°	66.0	66.4	66.7	67.0	67.3	67.8	68.1	68.5	68.9	69.2	69.6
107.5°	83.1	83.4	83.7	84.1	84.4	84.6	85.0	85.2	85.5	85.7	85.9
110°	94.8	95.1	95.5	95.8	96.0	96.2	96.4	96.6	96.9	97.0	97.2



TEST NUMBER: P333521-930

CATALOG NUMBER: S125RDIP-S610D365U930-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	106.6	106.8	107.0	107.1	107.4	107.6	107.9	108.1	108.4	108.4	108.5
115°	124.4	124.7	125.0	125.2	125.4	125.6	125.6	125.8	126.0	125.9	125.8
117.5°	142.0	142.2	142.3	142.4	142.5	142.7	142.8	142.8	143.0	143.0	143.1
120°	153.4	153.7	154.0	154.3	154.5	154.6	154.6	154.7	154.7	154.7	154.7
122.5°	165.1	165.3	165.3	165.4	165.6	165.8	165.9	166.1	166.2	166.2	166.2
125°	181.6	182.1	182.4	182.8	183.0	183.1	183.1	183.2	183.3	183.1	183.0
127.5°	198.8	199.0	199.2	199.4	199.6	199.7	199.7	199.8	199.8	199.8	199.7
130°	209.2	209.5	209.9	210.2	210.4	210.5	210.7	210.8	210.9	210.8	210.8
132.5°	219.8	220.4	220.9	221.4	221.7	221.6	221.6	221.6	221.5	221.4	221.4
135°	236.1	236.5	236.8	237.3	237.5	237.6	237.6	237.7	237.7	237.7	237.7
137.5°	251.5	251.9	252.3	252.7	252.9	253.1	253.2	253.3	253.5	253.6	253.6
140°	261.4	261.7	262.0	262.4	262.6	262.8	263.0	263.2	263.3	263.5	263.7
142.5°	271.3	271.5	271.8	272.1	272.3	272.6	272.8	273.0	273.3	273.4	273.5
145°	285.8	286.1	286.3	286.6	286.8	287.0	287.2	287.4	287.6	287.6	287.6
147.5°	299.2	299.3	299.5	299.6	299.8	299.9	300.1	300.2	300.4	300.5	300.7
150°	308.0	307.9	307.9	307.8	307.9	308.1	308.4	308.7	308.9	308.9	308.9
152.5°	315.5	315.6	315.7	315.8	315.8	316.0	316.1	316.2	316.3	316.4	316.6
155°	326.8	326.8	326.8	326.8	326.8	326.9	326.9	327.0	327.1	327.3	327.6
157.5°	336.8	336.6	336.5	336.4	336.3	336.4	336.5	336.5	336.6	336.8	337.0
160°	342.8	342.5	342.3	342.2	342.1	342.2	342.2	342.3	342.3	342.6	342.8
162.5°	348.1	348.0	347.8	347.6	347.6	347.6	347.6	347.6	347.6	348.0	348.2
165°	355.1	355.1	354.9	354.8	354.7	354.8	354.9	355.0	355.0	355.3	355.6
167.5°	361.0	360.8	360.5	360.3	360.1	360.1	360.1	360.1	360.1	360.5	360.9
170°	364.3	364.0	363.8	363.5	363.4	363.4	363.4	363.4	363.4	363.8	364.1
172.5°	366.6	366.3	366.1	365.8	365.7	365.7	365.7	365.7	365.7	366.1	366.5
175°	369.2	368.9	368.7	368.4	368.3	368.3	368.3	368.3	368.3	368.7	369.0
177.5°	370.6	370.3	370.1	369.9	369.8	369.7	369.7	369.7	369.6	369.9	370.2
180°	370.3	370.3	370.3	370.3	370.3	370.3	370.3	370.3	370.3	370.3	370.3



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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	754.5	754.5	754.5	754.5	754.5	754.5	754.5
2.5°	787.4	787.4	791.7	791.3	794.1	793.1	793.6
5°	846.4	851.7	856.3	859.4	864.1	865.4	864.7
7.5°	907.7	919.3	925.0	932.9	934.3	938.3	937.9
10°	945.5	957.0	965.6	972.5	975.9	980.2	980.6
12.5°	975.3	985.0	992.7	999.0	1003.1	1004.5	1005.3
15°	998.5	1009.3	1018.3	1027.3	1032.6	1036.6	1038.8
17.5°	1021.9	1038.6	1054.5	1066.7	1074.0	1080.2	1080.1
20°	1040.0	1059.2	1079.0	1093.0	1107.2	1113.4	1114.4
22.5°	1059.3	1088.7	1114.2	1135.8	1154.5	1161.0	1163.4
25°	1099.4	1137.8	1177.2	1207.5	1229.2	1241.9	1243.8
27.5°	1147.9	1200.0	1241.3	1269.3	1287.4	1296.7	1298.8
30°	1182.2	1230.1	1267.3	1288.4	1296.7	1298.0	1293.3
32.5°	1197.5	1233.4	1248.2	1247.0	1230.6	1219.7	1215.5
35°	1178.8	1171.3	1135.1	1091.7	1058.6	1037.5	1031.9
37.5°	1072.7	1008.6	941.9	876.4	841.6	823.9	793.4
40°	968.2	876.8	807.4	752.3	713.0	681.3	673.9
42.5°	850.2	755.9	686.5	639.3	607.9	586.2	576.8
45°	683.2	602.1	544.8	508.5	484.4	468.6	461.5
47.5°	546.4	483.6	441.9	415.1	396.6	382.9	379.1
50°	471.4	421.2	385.9	363.3	349.4	338.8	334.5
52.5°	409.4	368.9	341.8	323.2	310.0	303.4	299.8
55°	337.9	302.9	283.4	268.5	261.1	255.8	253.3
57.5°	276.3	251.0	236.8	226.5	219.6	216.3	215.1
60°	241.9	222.1	209.0	201.0	196.3	192.0	190.8
62.5°	211.4	195.8	185.7	178.7	174.1	172.2	171.5
65°	170.3	160.1	152.7	148.4	144.6	144.0	143.7
67.5°	135.4	129.4	125.5	121.0	119.7	117.5	117.1
70°	115.9	111.8	107.1	105.6	104.0	101.9	102.2
72.5°	98.2	94.2	91.1	89.0	88.5	87.6	88.3
75°	71.8	70.6	69.4	67.8	67.2	67.2	66.9
77.5°	51.3	50.2	48.8	47.9	47.8	46.5	47.0
80°	37.2	35.6	35.0	35.3	34.4	34.1	34.1
82.5°	27.5	26.9	26.3	26.4	26.2	25.9	26.2
85°	15.2	14.8	14.8	14.6	14.6	14.3	14.3
87.5°	6.6	6.8	6.4	6.2	6.3	6.5	6.8
90°	5.5	5.9	6.1	6.4	6.5	6.7	6.9
92.5°	12.3	12.7	13.0	13.2	13.3	13.5	13.6
95°	23.6	24.0	24.3	24.4	24.5	24.6	24.8
97.5°	36.6	37.0	37.3	37.3	37.4	37.5	37.6
100°	45.8	46.4	46.7	46.9	47.0	47.1	47.3
102.5°	55.2	55.8	56.3	56.4	56.6	56.7	56.9
105°	70.0	70.4	70.7	70.8	71.1	71.3	71.5
107.5°	86.1	86.3	86.4	86.3	86.3	86.3	86.3
110°	97.4	97.6	97.7	97.6	97.5	97.4	97.4



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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
112.5°	108.6	108.7	108.7	108.6	108.4	108.4	108.3
115°	125.7	125.6	125.6	125.6	125.5	125.4	125.3
117.5°	143.2	143.2	143.1	142.8	142.6	142.4	142.0
120°	154.7	154.7	154.6	154.3	154.1	153.8	153.6
122.5°	166.1	166.1	165.9	165.8	165.5	165.3	165.1
125°	182.9	182.8	182.6	182.6	182.5	182.5	182.4
127.5°	199.7	199.6	199.5	199.4	199.3	199.1	199.0
130°	210.8	210.7	210.6	210.4	210.3	210.2	210.1
132.5°	221.4	221.3	221.2	220.9	220.8	220.6	220.5
135°	237.7	237.7	237.6	237.3	237.1	236.8	236.6
137.5°	253.7	253.8	253.6	253.3	253.0	252.7	252.3
140°	263.7	263.9	263.8	263.5	263.2	262.9	262.5
142.5°	273.5	273.6	273.5	273.1	272.8	272.6	272.2
145°	287.6	287.6	287.5	287.3	287.1	286.9	286.7
147.5°	300.8	301.0	300.8	300.4	299.9	299.5	299.1
150°	308.9	308.9	308.8	308.8	308.6	308.4	308.3
152.5°	316.7	316.9	316.8	316.7	316.4	316.2	315.9
155°	327.8	328.1	328.1	327.8	327.4	327.1	326.8
157.5°	337.4	337.6	337.5	337.1	336.6	336.2	335.8
160°	343.1	343.3	343.3	343.0	342.7	342.3	342.0
162.5°	348.5	348.9	348.9	348.5	348.1	347.7	347.3
165°	355.8	356.0	356.0	355.6	355.2	354.8	354.4
167.5°	361.3	361.7	361.7	361.3	360.9	360.4	360.1
170°	364.5	364.9	364.8	364.4	363.9	363.5	363.1
172.5°	366.8	367.2	367.2	366.8	366.4	366.0	365.6
175°	369.4	369.8	369.7	369.3	368.8	368.4	367.9
177.5°	370.6	370.8	370.8	370.5	370.1	369.7	369.3
180°	370.3	370.3	370.3	370.3	370.3	370.3	370.3

(END OF REPORT)