

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: P333526-935

Luminaire Tested: **S125RDIP-S610D590U935-4F0-1E-UDD-A**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P333526-935
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1807-864-7,
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: NEO-RAY
Catalog Number: S125RDIP-S610D590U935-4F0-1E-UDD-A
Description: DEFINE 5 DIRECT-INDIRECT PENDANT LED LUMINAIRE
DOWNLIGHT 610 LUMENS PER FOOT, ASYMMETRIC DIFFUSER, REGRESSED HOUSING
UPLIGHT 590 LUMENS PER FOOT, NO LENS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4100.6 lumens
Efficiency: N/A
Efficacy: 125.0 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: General Diffuse

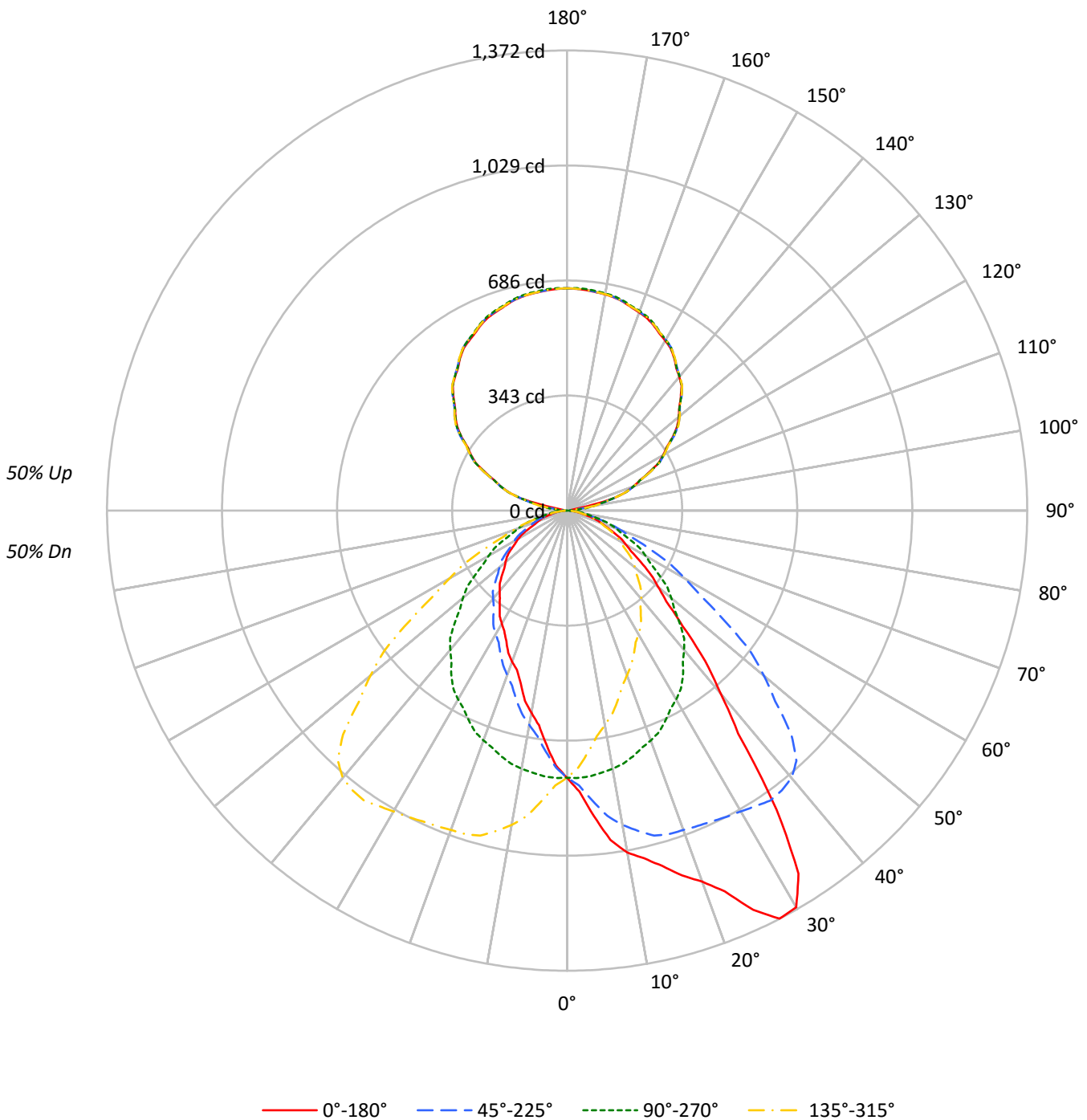
Input Watts (W): 32.8
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P333526-935

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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	107	107	107	107	99	99	99	99	84	84	84	69	69	69	56	56	56	50
1	98	94	90	87	91	87	84	81	74	72	70	62	60	59	51	50	49	43
2	90	83	77	72	83	77	71	67	65	61	58	55	52	50	45	43	41	37
3	82	73	66	60	76	68	62	57	58	53	49	49	45	42	40	38	36	32
4	75	65	57	51	69	60	53	48	52	46	42	44	40	37	36	33	31	27
5	69	58	50	44	64	54	47	42	46	41	37	39	35	32	33	30	27	24
6	64	52	44	38	59	48	41	36	42	36	32	36	31	28	30	27	24	21
7	59	47	39	34	54	44	37	32	38	32	28	32	28	25	27	24	21	19
8	55	43	35	30	51	40	33	28	35	29	25	30	25	22	25	22	19	17
9	51	39	32	27	47	36	30	25	32	26	23	27	23	20	23	20	17	15
10	48	36	29	24	44	34	27	23	29	24	20	25	21	18	21	18	16	14

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	5146	5146	5146	5146
5°	5920	5153	4550	5153
10°	6791	5126	4015	5126
15°	7335	5073	3569	5073
20°	8088	5013	3296	5013
25°	9360	4932	3058	4932
30°	10185	4847	2902	4847
35°	8592	4747	2759	4747
40°	6000	4569	2636	4569
45°	4451	4328	2515	4328
50°	3550	4078	2411	4078
55°	3012	3768	2320	3768
60°	2603	3490	2173	3490
65°	2320	3189	1869	3189
70°	2039	2921	1703	2921
75°	1764	2530	1599	2530
80°	1339	2131	1339	2131
85°	1119	1675	1260	1675



TEST NUMBER: P333526-935

CATALOG NUMBER: S125RDIP-S610D590U935-4F0-1E-UDD-A

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	76.4	1.9
10°-20°	223.9	5.5
20°-30°	355.0	8.7
30°-40°	428.1	10.4
40°-50°	382.3	9.3
50°-60°	293.2	7.1
60°-70°	190.5	4.6
70°-80°	92.6	2.3
80°-90°	23.5	0.6
90°-100°	24.1	0.6
100°-110°	148.4	3.6
110°-120°	269.2	6.6
120°-130°	345.5	8.4
130°-140°	371.6	9.1
140°-150°	348.8	8.5
150°-160°	282.1	6.9
160°-170°	182.5	4.4
170°-180°	62.9	1.5
0°-30°	655.3	16.0
0°-40°	1083.4	26.4
0°-60°	1758.9	42.9
0°-90°	2065.6	50.4
90°-120°	441.7	10.8
90°-150°	1507.5	36.8
90°-180°	2035.0	49.6
0°-180°	4100.6	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	797	797	797	797	797	
5°	913	795	702	795	913	91
15°	1097	759	534	759	1097	314
25°	1314	692	429	692	1314	603
35°	1090	602	350	602	1090	658
45°	487	474	275	474	487	389
55°	268	335	206	335	268	243
65°	152	209	122	209	152	151
75°	71	101	64	101	71	75
85°	15	23	17	23	15	18
90°	12	0	12	0	12	6
95°	10	28	10	28	10	9
105°	146	144	146	144	146	132
115°	269	271	269	271	269	267
125°	386	386	386	386	386	343
135°	479	481	479	481	479	370
145°	556	558	556	558	556	347
155°	610	614	610	614	610	281
165°	644	648	644	648	644	182
175°	660	663	660	663	660	63
180°	663	663	663	663	663	



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	796.8	796.8	796.8	796.8	796.8	796.8	796.8	796.8	796.8	796.8	796.8
2.5°	838.1	837.6	838.6	835.7	836.0	831.6	831.6	828.1	823.7	820.3	818.7
5°	913.2	913.9	912.5	907.6	904.3	899.4	893.9	884.1	875.9	868.1	861.9
7.5°	990.5	990.9	986.6	985.2	976.9	970.9	958.6	945.2	933.3	918.3	906.8
10°	1035.5	1035.2	1030.6	1027.0	1019.8	1010.6	998.5	982.8	968.1	951.7	936.1
12.5°	1061.7	1060.8	1059.4	1055.0	1048.4	1040.2	1029.9	1014.5	996.3	978.4	960.2
15°	1097.0	1094.7	1090.5	1084.9	1075.4	1065.9	1054.5	1040.8	1023.4	1003.2	986.1
17.5°	1140.7	1140.7	1134.2	1126.5	1113.6	1096.8	1079.2	1057.0	1033.5	1011.2	993.1
20°	1176.8	1175.8	1169.2	1154.3	1139.5	1118.6	1098.3	1071.2	1042.4	1013.2	990.7
22.5°	1228.6	1226.1	1219.3	1199.5	1176.6	1149.7	1118.7	1085.5	1050.8	1017.7	988.1
25°	1313.5	1311.6	1298.1	1275.2	1243.2	1201.6	1161.1	1115.6	1065.6	1022.1	986.1
27.5°	1371.6	1369.4	1359.5	1340.5	1310.9	1267.2	1212.3	1151.6	1089.1	1029.2	977.3
30°	1365.8	1370.7	1369.4	1360.6	1338.3	1299.1	1248.4	1180.1	1105.8	1035.5	973.7
32.5°	1283.7	1288.1	1299.6	1316.9	1318.2	1302.5	1264.6	1201.5	1124.6	1044.7	970.8
35°	1089.8	1095.7	1117.9	1152.9	1198.7	1237.0	1244.8	1210.8	1141.8	1055.8	966.5
37.5°	837.8	870.0	888.7	925.6	994.7	1065.1	1132.8	1157.8	1128.4	1051.2	959.5
40°	711.7	719.5	752.9	794.4	852.6	925.9	1022.4	1092.1	1094.3	1040.8	948.5
42.5°	609.2	619.1	642.0	675.1	725.0	798.2	897.9	989.8	1032.3	1011.9	934.1
45°	487.3	494.8	511.5	537.0	575.3	635.8	721.5	827.9	912.2	945.2	895.5
47.5°	400.4	404.4	418.9	438.3	466.7	510.7	577.0	669.3	770.6	841.5	834.6
50°	353.3	357.8	368.9	383.7	407.5	444.8	497.8	574.6	679.0	765.7	783.0
52.5°	316.6	320.4	327.4	341.3	360.9	389.6	432.4	502.0	595.8	687.9	728.1
55°	267.5	270.2	275.7	283.5	299.3	319.9	356.8	404.9	480.8	573.7	632.6
57.5°	227.1	228.4	232.0	239.2	250.0	265.1	291.8	332.6	387.0	470.6	535.6
60°	201.5	202.8	207.3	212.2	220.8	234.5	255.5	283.9	336.2	405.3	471.0
62.5°	181.1	181.8	183.8	188.7	196.1	206.8	223.3	246.5	288.1	348.7	410.8
65°	151.8	152.1	152.7	156.7	161.3	169.1	179.9	196.2	227.6	273.5	328.4
67.5°	123.6	124.1	126.4	127.8	132.5	136.6	143.0	155.5	177.6	208.4	251.2
70°	108.0	107.6	109.9	111.5	113.1	118.0	122.3	132.4	146.2	169.8	205.4
72.5°	93.2	92.5	93.4	94.0	96.2	99.5	103.8	109.9	120.5	136.8	164.0
75°	70.7	70.9	70.9	71.6	73.3	74.6	75.9	79.1	85.1	95.8	110.6
77.5°	49.6	49.1	50.5	50.6	51.6	53.0	54.2	55.4	57.9	62.3	69.9
80°	36.0	36.0	36.3	37.3	36.9	37.6	39.3	40.6	43.5	46.1	48.7
82.5°	27.6	27.4	27.6	27.9	27.8	28.4	29.0	29.3	30.4	31.7	33.6
85°	15.1	15.1	15.4	15.4	15.7	15.7	16.0	16.0	16.0	16.4	16.7
87.5°	8.1	7.7	7.5	7.4	7.6	8.0	7.7	7.3	7.1	7.1	7.1
90°	11.8	11.5	11.1	10.8	10.5	10.1	9.5	9.0	8.4	7.8	7.1
92.5°	11.0	10.8	10.7	10.5	10.4	10.1	9.5	9.0	8.4	7.8	7.1
95°	10.3	10.3	10.3	10.3	10.3	10.1	9.5	9.0	8.4	7.8	12.0
97.5°	10.3	10.3	10.3	10.3	10.3	11.9	14.9	18.0	21.1	24.2	32.4
100°	10.3	10.8	11.2	11.6	12.1	20.4	36.7	53.0	69.2	85.5	85.1
102.5°	61.8	69.2	76.6	84.0	91.5	96.8	99.8	102.9	106.0	109.1	108.8
105°	145.9	146.0	146.1	146.2	146.4	146.4	146.4	146.4	146.4	146.4	146.4
107.5°	183.9	184.3	184.6	184.9	185.2	185.4	185.4	185.4	185.3	185.3	185.1
110°	210.3	210.2	210.0	209.9	209.8	209.9	210.3	210.6	210.9	211.2	211.0



TEST NUMBER: P333526-935

CATALOG NUMBER: S125RDIP-S610D590U935-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	233.8	234.0	234.1	234.3	234.5	234.7	235.1	235.6	236.0	236.3	236.3
115°	269.2	269.8	270.5	271.1	271.8	272.3	272.8	273.2	273.7	274.1	274.0
117.5°	306.9	307.2	307.5	307.8	308.1	308.5	309.0	309.6	310.2	310.7	310.3
120°	330.1	330.6	331.2	331.7	332.3	332.7	332.9	333.1	333.3	333.6	333.2
122.5°	352.1	352.8	353.4	354.0	354.6	355.1	355.3	355.5	355.8	355.9	355.8
125°	385.6	386.0	386.2	386.6	386.9	387.3	387.7	388.2	388.7	389.1	389.1
127.5°	413.8	414.7	415.4	416.2	417.1	417.6	417.8	418.0	418.3	418.5	418.6
130°	434.3	434.8	435.3	435.9	436.4	436.9	437.2	437.6	437.8	438.2	438.1
132.5°	453.1	453.7	454.2	454.8	455.3	455.6	455.6	455.7	455.8	455.9	456.1
135°	479.0	479.6	480.3	481.0	481.6	482.0	482.2	482.4	482.7	482.8	483.1
137.5°	504.9	505.5	506.0	506.6	507.1	507.4	507.4	507.3	507.3	507.2	507.5
140°	520.2	520.9	521.5	522.2	522.8	523.1	522.8	522.6	522.4	522.2	522.3
142.5°	534.8	535.4	536.1	536.7	537.4	537.7	537.6	537.6	537.5	537.5	537.4
145°	556.0	556.7	557.4	558.0	558.7	559.0	558.9	558.8	558.6	558.5	558.5
147.5°	573.7	574.5	575.2	576.0	576.8	577.1	577.0	576.9	576.8	576.6	576.4
150°	585.0	585.9	586.8	587.7	588.6	588.8	588.7	588.4	588.2	588.0	587.8
152.5°	595.6	596.4	597.3	598.1	598.8	599.1	598.9	598.7	598.5	598.2	598.0
155°	609.6	610.5	611.4	612.3	613.1	613.4	613.0	612.8	612.4	612.1	611.8
157.5°	621.3	622.2	623.0	624.0	624.8	625.1	624.7	624.4	624.1	623.7	623.6
160°	628.8	629.6	630.5	631.4	632.2	632.5	632.1	631.6	631.2	630.8	630.6
162.5°	635.4	636.5	637.4	638.3	639.3	639.5	638.9	638.3	637.7	637.1	636.9
165°	644.5	645.4	646.3	647.1	648.0	648.1	647.5	646.8	646.1	645.5	645.4
167.5°	650.7	651.8	652.7	653.8	654.7	654.8	654.0	653.2	652.5	651.7	651.5
170°	654.4	655.3	656.3	657.3	658.2	658.3	657.5	656.6	655.7	654.8	654.7
172.5°	656.7	657.6	658.7	659.6	660.6	660.7	660.0	659.1	658.3	657.5	657.4
175°	659.7	660.7	661.7	662.7	663.7	663.7	662.8	661.9	661.1	660.2	660.1
177.5°	661.5	662.2	662.9	663.6	664.3	664.3	663.7	663.1	662.5	661.9	661.8
180°	662.7	662.7	662.7	662.7	662.7	662.7	662.7	662.7	662.7	662.7	662.7



TEST NUMBER: P333526-935

CATALOG NUMBER: S125RDIP-S610D590U935-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	796.8	796.8	796.8	796.8	796.8	796.8	796.8	796.8	796.8	796.8	796.8
2.5°	818.7	816.9	813.5	810.4	806.4	803.1	800.6	797.8	794.1	789.7	786.0
5°	855.0	847.7	838.3	830.1	819.7	811.5	803.0	794.8	786.6	776.1	767.0
7.5°	895.1	880.3	865.8	847.7	831.1	816.4	802.3	788.0	774.0	759.1	744.8
10°	919.7	901.7	881.8	858.8	837.9	818.0	799.7	781.7	762.8	746.1	728.1
12.5°	942.7	919.5	896.7	867.8	842.7	818.3	795.0	772.6	752.3	730.6	711.3
15°	963.5	940.6	915.2	879.9	844.8	815.4	787.9	758.8	733.7	709.4	687.9
17.5°	971.6	947.6	917.9	884.0	845.8	808.7	773.4	741.4	711.8	683.5	659.3
20°	968.5	945.2	914.8	882.4	841.5	803.0	764.7	729.4	696.3	666.6	640.8
22.5°	960.9	936.9	907.5	873.3	834.5	793.5	752.7	715.0	680.4	649.5	621.4
25°	949.5	916.8	886.7	853.3	816.4	775.8	733.7	692.1	655.1	623.7	593.0
27.5°	937.6	896.8	858.6	825.4	786.4	750.2	709.5	666.9	628.0	596.1	564.6
30°	927.0	881.1	839.0	801.3	764.4	730.0	691.4	649.9	610.0	577.0	544.9
32.5°	913.6	864.9	818.6	775.2	739.5	705.4	670.5	630.8	591.9	557.8	525.3
35°	896.8	834.7	784.3	738.2	698.6	665.6	634.2	602.1	563.2	527.9	496.2
37.5°	874.9	804.3	746.1	695.8	654.1	620.9	596.2	566.8	531.3	497.5	468.0
40°	861.5	782.4	718.6	668.8	625.0	590.0	566.8	541.9	509.5	477.9	448.4
42.5°	843.7	762.2	690.9	639.0	595.0	561.3	537.8	516.1	488.9	459.0	427.5
45°	808.8	723.2	648.2	592.6	548.2	515.1	493.2	473.9	453.3	425.9	398.4
47.5°	763.4	682.4	604.0	543.3	499.7	469.1	447.8	432.6	417.8	394.5	367.8
50°	727.1	648.9	572.4	513.5	467.1	437.9	418.0	405.9	392.4	371.3	349.0
52.5°	684.2	614.4	539.4	479.2	435.4	408.1	388.9	376.9	365.8	348.4	327.3
55°	616.6	555.3	486.6	432.0	391.8	364.4	346.0	334.6	328.0	313.3	296.6
57.5°	538.5	494.6	434.1	381.4	345.9	318.7	305.3	295.6	288.2	277.8	266.0
60°	484.1	453.3	399.0	349.0	316.2	290.4	278.4	270.2	263.3	254.4	245.3
62.5°	428.9	406.5	359.3	316.2	286.2	264.5	253.2	245.8	237.9	232.0	223.1
65°	354.9	334.9	302.2	268.5	240.7	223.4	215.2	208.7	203.8	197.3	191.0
67.5°	276.0	267.9	245.4	222.1	202.2	186.8	179.7	175.1	169.2	165.3	161.0
70°	227.6	223.7	207.7	192.3	173.7	163.2	156.7	154.7	147.5	143.6	140.6
72.5°	184.8	182.9	173.7	163.0	149.9	140.7	134.7	132.4	127.9	124.8	122.9
75°	126.6	127.3	125.6	118.7	113.8	108.0	102.7	101.4	98.2	95.5	93.8
77.5°	80.1	83.4	83.5	83.2	81.3	77.7	75.5	74.5	71.3	70.3	69.9
80°	54.9	58.5	61.8	61.5	60.9	59.8	58.2	57.3	55.6	54.6	54.0
82.5°	36.6	40.0	42.7	44.5	44.3	43.4	42.3	41.8	41.5	40.7	40.6
85°	17.3	18.0	18.9	21.3	22.9	23.2	22.9	22.6	21.6	22.0	22.2
87.5°	7.3	7.1	7.2	7.1	6.6	7.7	8.4	8.4	8.1	7.7	7.4
90°	6.4	5.6	4.8	4.0	3.1	2.2	1.4	0.5	1.4	2.2	3.1
92.5°	6.5	5.9	5.2	5.1	5.8	6.4	7.0	7.6	7.0	6.4	5.8
95°	16.2	20.3	24.5	26.7	27.0	27.4	27.6	28.0	27.6	27.4	27.0
97.5°	40.6	48.8	57.0	60.8	60.2	59.7	59.1	58.5	59.1	59.7	60.2
100°	84.6	84.2	83.7	83.3	83.0	82.7	82.4	82.1	82.4	82.7	83.0
102.5°	108.6	108.2	108.0	107.6	107.3	106.9	106.4	106.0	106.4	106.9	107.3
105°	146.4	146.4	146.4	146.2	145.8	145.3	144.8	144.4	144.8	145.3	145.8
107.5°	184.9	184.6	184.4	184.3	184.3	184.3	184.3	184.3	184.3	184.3	184.3
110°	210.8	210.6	210.3	210.3	210.3	210.3	210.3	210.3	210.3	210.3	210.3



TEST NUMBER: P333526-935

CATALOG NUMBER: S125RDIP-S610D590U935-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	236.1	236.0	235.8	235.7	235.4	235.1	234.9	234.6	234.9	235.1	235.4
115°	273.9	273.8	273.7	273.4	272.8	272.2	271.7	271.1	271.7	272.2	272.8
117.5°	310.0	309.5	309.1	308.9	308.9	308.9	308.9	309.0	308.9	308.9	308.9
120°	332.9	332.6	332.3	332.1	332.3	332.3	332.4	332.6	332.4	332.3	332.3
122.5°	355.7	355.5	355.3	355.1	354.6	354.2	353.8	353.4	353.8	354.2	354.6
125°	389.1	389.1	389.1	388.7	387.9	387.1	386.4	385.6	386.4	387.1	387.9
127.5°	418.7	418.7	418.8	418.5	418.0	417.5	416.9	416.4	416.9	417.5	418.0
130°	438.0	437.8	437.7	437.4	436.9	436.4	435.8	435.2	435.8	436.4	436.9
132.5°	456.3	456.6	456.8	456.6	456.0	455.4	454.7	454.1	454.7	455.4	456.0
135°	483.3	483.5	483.8	483.5	482.8	482.2	481.6	481.0	481.6	482.2	482.8
137.5°	507.6	507.8	508.1	507.8	507.3	506.7	506.2	505.6	506.2	506.7	507.3
140°	522.4	522.5	522.6	522.5	522.4	522.1	521.9	521.7	521.9	522.1	522.4
142.5°	537.2	537.1	536.9	536.7	536.7	536.5	536.4	536.2	536.4	536.5	536.7
145°	558.5	558.5	558.5	558.4	558.2	558.0	557.8	557.6	557.8	558.0	558.2
147.5°	576.4	576.2	576.1	576.0	576.1	576.1	576.2	576.2	576.2	576.1	576.1
150°	587.5	587.4	587.1	587.1	587.4	587.5	587.8	588.0	587.8	587.5	587.4
152.5°	597.8	597.5	597.4	597.4	598.0	598.5	598.9	599.4	598.9	598.5	598.0
155°	611.7	611.4	611.2	611.4	612.1	612.8	613.4	614.1	613.4	612.8	612.1
157.5°	623.6	623.6	623.6	623.8	624.1	624.6	624.9	625.3	624.9	624.6	624.1
160°	630.5	630.4	630.3	630.6	631.2	631.9	632.6	633.2	632.6	631.9	631.2
162.5°	636.8	636.7	636.6	636.9	637.5	638.2	638.9	639.5	638.9	638.2	637.5
165°	645.2	645.1	645.1	645.3	646.0	646.6	647.3	647.9	647.3	646.6	646.0
167.5°	651.4	651.3	651.3	651.5	652.2	652.9	653.6	654.2	653.6	652.9	652.2
170°	654.6	654.4	654.4	654.7	655.5	656.3	657.0	657.8	657.0	656.3	655.5
172.5°	657.2	656.9	656.8	657.0	657.8	658.6	659.4	660.1	659.4	658.6	657.8
175°	660.0	659.9	659.8	660.0	660.7	661.3	662.0	662.7	662.0	661.3	660.7
177.5°	661.7	661.6	661.5	661.8	662.3	662.8	663.3	663.8	663.3	662.8	662.3
180°	662.7	662.7	662.7	662.7	662.7	662.7	662.7	662.7	662.7	662.7	662.7



TEST NUMBER: P333526-935

CATALOG NUMBER: S125RDIP-S610D590U935-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	796.8	796.8	796.8	796.8	796.8	796.8	796.8	796.8	796.8	796.8	796.8
2.5°	783.4	779.7	777.1	771.9	768.2	766.6	763.8	763.0	765.9	763.8	763.5
5°	760.1	750.6	743.1	735.6	727.4	722.2	714.3	713.0	711.0	708.1	707.5
7.5°	732.2	719.8	710.2	697.7	686.9	678.2	668.4	663.7	661.2	657.4	652.3
10°	713.3	698.6	685.5	673.1	659.7	648.9	639.1	631.5	626.6	622.1	620.1
12.5°	694.7	679.8	663.1	648.0	633.0	620.9	610.0	605.1	599.7	594.3	589.8
15°	665.9	645.9	627.7	610.3	597.5	584.4	574.0	566.8	558.6	556.4	547.5
17.5°	635.3	615.7	594.3	576.0	561.3	546.8	535.4	527.2	521.0	512.6	508.5
20°	616.2	593.0	572.0	555.3	539.0	522.0	510.2	503.3	497.5	490.6	487.3
22.5°	595.8	573.1	551.6	532.1	515.5	498.7	490.3	483.2	476.6	470.2	465.9
25°	565.8	542.9	520.4	500.1	482.8	470.6	460.8	452.6	449.1	442.8	438.2
27.5°	536.2	511.9	488.4	468.2	454.6	442.6	434.6	428.2	421.6	416.2	412.2
30°	517.1	492.2	466.7	450.7	436.3	424.9	416.0	409.8	404.9	400.0	397.1
32.5°	498.0	472.3	449.7	432.4	418.8	408.9	399.8	393.8	388.7	383.2	379.8
35°	467.4	441.2	422.9	405.9	392.4	383.3	377.1	368.6	364.4	360.4	356.8
37.5°	438.9	414.6	394.8	379.9	368.2	359.1	351.1	346.5	341.3	337.8	334.8
40°	418.0	395.7	377.8	362.1	353.5	343.5	335.9	330.0	326.1	321.5	318.2
42.5°	399.2	378.5	361.0	346.9	336.3	327.7	320.5	314.6	309.6	306.3	303.6
45°	372.6	351.9	334.9	321.8	312.0	303.8	296.4	293.3	286.8	282.9	281.6
47.5°	345.0	326.6	310.1	298.1	288.0	280.3	273.2	267.3	263.6	259.8	257.7
50°	326.4	308.8	293.3	281.6	271.8	263.3	256.8	252.8	247.9	244.4	241.7
52.5°	307.8	291.4	276.1	264.8	256.3	247.9	240.6	236.6	232.0	229.6	227.8
55°	281.3	264.0	250.9	239.7	230.9	223.1	216.2	212.2	209.3	207.1	206.4
57.5°	251.2	237.5	225.3	215.2	206.1	198.7	192.7	189.0	186.4	186.1	184.1
60°	231.5	219.1	208.0	197.3	189.3	182.5	177.3	173.1	170.4	170.0	169.4
62.5°	212.0	200.0	189.7	180.2	173.1	166.5	161.6	156.8	155.2	153.6	152.1
65°	182.8	172.0	163.5	156.0	148.5	142.9	138.0	135.1	131.5	129.5	126.0
67.5°	154.2	145.9	137.7	131.4	125.4	120.2	116.1	111.8	109.3	107.7	105.1
70°	135.4	128.9	120.7	113.8	109.3	105.0	101.7	96.8	95.1	93.8	92.6
72.5°	117.6	111.8	105.0	99.4	94.9	90.8	87.0	84.8	83.2	81.8	81.0
75°	92.6	87.0	81.1	77.1	74.0	70.7	68.7	67.1	66.4	66.0	64.7
77.5°	67.9	65.0	60.3	57.2	55.0	53.7	51.9	51.1	51.1	49.6	49.2
80°	52.0	50.4	46.4	45.1	43.5	42.2	41.2	39.6	38.0	37.3	36.3
82.5°	38.7	37.0	35.5	33.3	32.0	31.2	30.2	29.6	29.8	28.9	28.4
85°	20.6	18.9	18.3	18.0	17.3	18.0	17.7	17.3	17.0	16.7	17.0
87.5°	7.3	7.5	7.4	8.1	7.4	7.8	7.9	7.8	7.9	8.0	7.8
90°	4.0	4.8	5.6	6.4	7.1	7.8	8.4	9.0	9.5	10.1	10.5
92.5°	5.1	5.2	5.9	6.5	7.1	7.8	8.4	9.0	9.5	10.1	10.4
95°	26.7	24.5	20.3	16.2	12.0	7.8	8.4	9.0	9.5	10.1	10.3
97.5°	60.8	57.0	48.8	40.6	32.4	24.2	21.1	18.0	14.9	11.9	10.3
100°	83.3	83.7	84.2	84.6	85.1	85.5	69.2	53.0	36.7	20.4	12.1
102.5°	107.6	108.0	108.2	108.6	108.8	109.1	106.0	102.9	99.8	96.8	91.5
105°	146.2	146.4	146.4	146.4	146.4	146.4	146.4	146.4	146.4	146.4	146.4
107.5°	184.3	184.4	184.6	184.9	185.1	185.3	185.3	185.4	185.4	185.4	185.2
110°	210.3	210.3	210.6	210.8	211.0	211.2	210.9	210.6	210.3	209.9	209.8



TEST NUMBER: P333526-935

CATALOG NUMBER: S125RDIP-S610D590U935-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	235.7	235.8	236.0	236.1	236.3	236.3	236.0	235.6	235.1	234.7	234.5
115°	273.4	273.7	273.8	273.9	274.0	274.1	273.7	273.2	272.8	272.3	271.8
117.5°	308.9	309.1	309.5	310.0	310.3	310.7	310.2	309.6	309.0	308.5	308.1
120°	332.1	332.3	332.6	332.9	333.2	333.6	333.3	333.1	332.9	332.7	332.3
122.5°	355.1	355.3	355.5	355.7	355.8	355.9	355.8	355.5	355.3	355.1	354.6
125°	388.7	389.1	389.1	389.1	389.1	389.1	388.7	388.2	387.7	387.3	386.9
127.5°	418.5	418.8	418.7	418.7	418.6	418.5	418.3	418.0	417.8	417.6	417.1
130°	437.4	437.7	437.8	438.0	438.1	438.2	437.8	437.6	437.2	436.9	436.4
132.5°	456.6	456.8	456.6	456.3	456.1	455.9	455.8	455.7	455.6	455.6	455.3
135°	483.5	483.8	483.5	483.3	483.1	482.8	482.7	482.4	482.2	482.0	481.6
137.5°	507.8	508.1	507.8	507.6	507.5	507.2	507.3	507.3	507.4	507.4	507.1
140°	522.5	522.6	522.5	522.4	522.3	522.2	522.4	522.6	522.8	523.1	522.8
142.5°	536.7	536.9	537.1	537.2	537.4	537.5	537.5	537.6	537.6	537.7	537.4
145°	558.4	558.5	558.5	558.5	558.5	558.5	558.6	558.8	558.9	559.0	558.7
147.5°	576.0	576.1	576.2	576.4	576.4	576.6	576.8	576.9	577.0	577.1	576.8
150°	587.1	587.1	587.4	587.5	587.8	588.0	588.2	588.4	588.7	588.8	588.6
152.5°	597.4	597.4	597.5	597.8	598.0	598.2	598.5	598.7	598.9	599.1	598.8
155°	611.4	611.2	611.4	611.7	611.8	612.1	612.4	612.8	613.0	613.4	613.1
157.5°	623.8	623.6	623.6	623.6	623.6	623.7	624.1	624.4	624.7	625.1	624.8
160°	630.6	630.3	630.4	630.5	630.6	630.8	631.2	631.6	632.1	632.5	632.2
162.5°	636.9	636.6	636.7	636.8	636.9	637.1	637.7	638.3	638.9	639.5	639.3
165°	645.3	645.1	645.1	645.2	645.4	645.5	646.1	646.8	647.5	648.1	648.0
167.5°	651.5	651.3	651.3	651.4	651.5	651.7	652.5	653.2	654.0	654.8	654.7
170°	654.7	654.4	654.4	654.6	654.7	654.8	655.7	656.6	657.5	658.3	658.2
172.5°	657.0	656.8	656.9	657.2	657.4	657.5	658.3	659.1	660.0	660.7	660.6
175°	660.0	659.8	659.9	660.0	660.1	660.2	661.1	661.9	662.8	663.7	663.7
177.5°	661.8	661.5	661.6	661.7	661.8	661.9	662.5	663.1	663.7	664.3	664.3
180°	662.7	662.7	662.7	662.7	662.7	662.7	662.7	662.7	662.7	662.7	662.7



TEST NUMBER: P333526-935

CATALOG NUMBER: S125RDIP-S610D590U935-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	796.8	796.8	796.8	796.8	796.8	796.8	796.8	796.8	796.8	796.8	796.8
2.5°	763.3	760.3	759.6	760.6	759.6	760.3	763.3	763.5	763.8	765.9	763.0
5°	704.2	700.9	702.6	701.9	702.6	700.9	704.2	707.5	708.1	711.0	713.0
7.5°	652.2	648.2	643.9	645.2	643.9	648.2	652.2	652.3	657.4	661.2	663.7
10°	615.9	612.6	610.6	612.3	610.6	612.6	615.9	620.1	622.1	626.6	631.5
12.5°	585.2	583.3	581.6	580.9	581.6	583.3	585.2	589.8	594.3	599.7	605.1
15°	543.5	539.7	538.0	533.8	538.0	539.7	543.5	547.5	556.4	558.6	566.8
17.5°	505.1	503.9	499.6	497.8	499.6	503.9	505.1	508.5	512.6	521.0	527.2
20°	482.4	481.1	476.9	479.5	476.9	481.1	482.4	487.3	490.6	497.5	503.3
22.5°	463.6	460.7	459.3	458.6	459.3	460.7	463.6	465.9	470.2	476.6	483.2
25°	437.0	432.7	431.1	429.1	431.1	432.7	437.0	438.2	442.8	449.1	452.6
27.5°	410.4	408.1	406.0	405.4	406.0	408.1	410.4	412.2	416.2	421.6	428.2
30°	393.1	390.8	389.2	389.2	389.2	390.8	393.1	397.1	400.0	404.9	409.8
32.5°	377.7	375.9	374.3	374.0	374.3	375.9	377.7	379.8	383.2	388.7	393.8
35°	355.2	352.6	351.9	350.0	351.9	352.6	355.2	356.8	360.4	364.4	368.6
37.5°	331.8	329.7	329.6	329.4	329.6	329.7	331.8	334.8	337.8	341.3	346.5
40°	316.9	315.3	315.0	312.7	315.0	315.3	316.9	318.2	321.5	326.1	330.0
42.5°	301.0	300.1	299.0	298.0	299.0	300.1	301.0	303.6	306.3	309.6	314.6
45°	279.3	277.1	277.1	275.4	277.1	277.1	279.3	281.6	282.9	286.8	293.3
47.5°	256.9	255.2	255.4	253.7	255.4	255.2	256.9	257.7	259.8	263.6	267.3
50°	242.0	241.1	240.7	240.0	240.7	241.1	242.0	241.7	244.4	247.9	252.8
52.5°	227.1	226.7	227.9	226.4	227.9	226.7	227.1	227.8	229.6	232.0	236.6
55°	207.1	206.0	208.0	206.0	208.0	206.0	207.1	206.4	207.1	209.3	212.2
57.5°	183.9	183.0	184.8	183.8	184.8	183.0	183.9	184.1	186.1	186.4	189.0
60°	168.8	166.8	167.8	168.2	167.8	166.8	168.8	169.4	170.0	170.4	173.1
62.5°	150.7	149.6	150.2	148.8	150.2	149.6	150.7	152.1	153.6	155.2	156.8
65°	125.3	124.3	123.0	122.3	123.0	124.3	125.3	126.0	129.5	131.5	135.1
67.5°	105.2	102.9	102.8	103.3	102.8	102.9	105.2	105.1	107.7	109.3	111.8
70°	90.6	90.6	90.2	90.2	90.2	90.6	90.6	92.6	93.8	95.1	96.8
72.5°	80.4	80.2	79.6	79.3	79.6	80.2	80.4	81.0	81.8	83.2	84.8
75°	64.7	65.1	64.4	64.1	64.4	65.1	64.7	64.7	66.0	66.4	67.1
77.5°	47.8	46.4	47.2	46.4	47.2	46.4	47.8	49.2	49.6	51.1	51.1
80°	36.3	36.0	36.9	36.0	36.9	36.0	36.3	36.3	37.3	38.0	39.6
82.5°	28.8	28.4	28.8	28.2	28.8	28.4	28.8	28.4	28.9	29.8	29.6
85°	17.3	17.0	16.7	17.0	16.7	17.0	17.3	17.0	16.7	17.0	17.3
87.5°	8.2	8.0	8.0	8.1	8.0	8.0	8.2	7.8	8.0	7.9	7.8
90°	10.8	11.1	11.5	11.8	11.5	11.1	10.8	10.5	10.1	9.5	9.0
92.5°	10.5	10.7	10.8	11.0	10.8	10.7	10.5	10.4	10.1	9.5	9.0
95°	10.3	10.3	10.3	10.3	10.3	10.3	10.3	10.3	10.1	9.5	9.0
97.5°	10.3	10.3	10.3	10.3	10.3	10.3	10.3	10.3	11.9	14.9	18.0
100°	11.6	11.2	10.8	10.3	10.8	11.2	11.6	12.1	20.4	36.7	53.0
102.5°	84.0	76.6	69.2	61.8	69.2	76.6	84.0	91.5	96.8	99.8	102.9
105°	146.2	146.1	146.0	145.9	146.0	146.1	146.2	146.4	146.4	146.4	146.4
107.5°	184.9	184.6	184.3	183.9	184.3	184.6	184.9	185.2	185.4	185.4	185.4
110°	209.9	210.0	210.2	210.3	210.2	210.0	209.9	209.8	209.9	210.3	210.6



TEST NUMBER: P333526-935

CATALOG NUMBER: S125RDIP-S610D590U935-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	234.3	234.1	234.0	233.8	234.0	234.1	234.3	234.5	234.7	235.1	235.6
115°	271.1	270.5	269.8	269.2	269.8	270.5	271.1	271.8	272.3	272.8	273.2
117.5°	307.8	307.5	307.2	306.9	307.2	307.5	307.8	308.1	308.5	309.0	309.6
120°	331.7	331.2	330.6	330.1	330.6	331.2	331.7	332.3	332.7	332.9	333.1
122.5°	354.0	353.4	352.8	352.1	352.8	353.4	354.0	354.6	355.1	355.3	355.5
125°	386.6	386.2	386.0	385.6	386.0	386.2	386.6	386.9	387.3	387.7	388.2
127.5°	416.2	415.4	414.7	413.8	414.7	415.4	416.2	417.1	417.6	417.8	418.0
130°	435.9	435.3	434.8	434.3	434.8	435.3	435.9	436.4	436.9	437.2	437.6
132.5°	454.8	454.2	453.7	453.1	453.7	454.2	454.8	455.3	455.6	455.6	455.7
135°	481.0	480.3	479.6	479.0	479.6	480.3	481.0	481.6	482.0	482.2	482.4
137.5°	506.6	506.0	505.5	504.9	505.5	506.0	506.6	507.1	507.4	507.4	507.3
140°	522.2	521.5	520.9	520.2	520.9	521.5	522.2	522.8	523.1	522.8	522.6
142.5°	536.7	536.1	535.4	534.8	535.4	536.1	536.7	537.4	537.7	537.6	537.6
145°	558.0	557.4	556.7	556.0	556.7	557.4	558.0	558.7	559.0	558.9	558.8
147.5°	576.0	575.2	574.5	573.7	574.5	575.2	576.0	576.8	577.1	577.0	576.9
150°	587.7	586.8	585.9	585.0	585.9	586.8	587.7	588.6	588.8	588.7	588.4
152.5°	598.1	597.3	596.4	595.6	596.4	597.3	598.1	598.8	599.1	598.9	598.7
155°	612.3	611.4	610.5	609.6	610.5	611.4	612.3	613.1	613.4	613.0	612.8
157.5°	624.0	623.0	622.2	621.3	622.2	623.0	624.0	624.8	625.1	624.7	624.4
160°	631.4	630.5	629.6	628.8	629.6	630.5	631.4	632.2	632.5	632.1	631.6
162.5°	638.3	637.4	636.5	635.4	636.5	637.4	638.3	639.3	639.5	638.9	638.3
165°	647.1	646.3	645.4	644.5	645.4	646.3	647.1	648.0	648.1	647.5	646.8
167.5°	653.8	652.7	651.8	650.7	651.8	652.7	653.8	654.7	654.8	654.0	653.2
170°	657.3	656.3	655.3	654.4	655.3	656.3	657.3	658.2	658.3	657.5	656.6
172.5°	659.6	658.7	657.6	656.7	657.6	658.7	659.6	660.6	660.7	660.0	659.1
175°	662.7	661.7	660.7	659.7	660.7	661.7	662.7	663.7	663.7	662.8	661.9
177.5°	663.6	662.9	662.2	661.5	662.2	662.9	663.6	664.3	664.3	663.7	663.1
180°	662.7	662.7	662.7	662.7	662.7	662.7	662.7	662.7	662.7	662.7	662.7



TEST NUMBER: P333526-935

CATALOG NUMBER: S125RDIP-S610D590U935-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	796.8	796.8	796.8	796.8	796.8	796.8	796.8	796.8	796.8	796.8	796.8
2.5°	763.8	766.6	768.2	771.9	777.1	779.7	783.4	786.0	789.7	794.1	797.8
5°	714.3	722.2	727.4	735.6	743.1	750.6	760.1	767.0	776.1	786.6	794.8
7.5°	668.4	678.2	686.9	697.7	710.2	719.8	732.2	744.8	759.1	774.0	788.0
10°	639.1	648.9	659.7	673.1	685.5	698.6	713.3	728.1	746.1	762.8	781.7
12.5°	610.0	620.9	633.0	648.0	663.1	679.8	694.7	711.3	730.6	752.3	772.6
15°	574.0	584.4	597.5	610.3	627.7	645.9	665.9	687.9	709.4	733.7	758.8
17.5°	535.4	546.8	561.3	576.0	594.3	615.7	635.3	659.3	683.5	711.8	741.4
20°	510.2	522.0	539.0	555.3	572.0	593.0	616.2	640.8	666.6	696.3	729.4
22.5°	490.3	498.7	515.5	532.1	551.6	573.1	595.8	621.4	649.5	680.4	715.0
25°	460.8	470.6	482.8	500.1	520.4	542.9	565.8	593.0	623.7	655.1	692.1
27.5°	434.6	442.6	454.6	468.2	488.4	511.9	536.2	564.6	596.1	628.0	666.9
30°	416.0	424.9	436.3	450.7	466.7	492.2	517.1	544.9	577.0	610.0	649.9
32.5°	399.8	408.9	418.8	432.4	449.7	472.3	498.0	525.3	557.8	591.9	630.8
35°	377.1	383.3	392.4	405.9	422.9	441.2	467.4	496.2	527.9	563.2	602.1
37.5°	351.1	359.1	368.2	379.9	394.8	414.6	438.9	468.0	497.5	531.3	566.8
40°	335.9	343.5	353.5	362.1	377.8	395.7	418.0	448.4	477.9	509.5	541.9
42.5°	320.5	327.7	336.3	346.9	361.0	378.5	399.2	427.5	459.0	488.9	516.1
45°	296.4	303.8	312.0	321.8	334.9	351.9	372.6	398.4	425.9	453.3	473.9
47.5°	273.2	280.3	288.0	298.1	310.1	326.6	345.0	367.8	394.5	417.8	432.6
50°	256.8	263.3	271.8	281.6	293.3	308.8	326.4	349.0	371.3	392.4	405.9
52.5°	240.6	247.9	256.3	264.8	276.1	291.4	307.8	327.3	348.4	365.8	376.9
55°	216.2	223.1	230.9	239.7	250.9	264.0	281.3	296.6	313.3	328.0	334.6
57.5°	192.7	198.7	206.1	215.2	225.3	237.5	251.2	266.0	277.8	288.2	295.6
60°	177.3	182.5	189.3	197.3	208.0	219.1	231.5	245.3	254.4	263.3	270.2
62.5°	161.6	166.5	173.1	180.2	189.7	200.0	212.0	223.1	232.0	237.9	245.8
65°	138.0	142.9	148.5	156.0	163.5	172.0	182.8	191.0	197.3	203.8	208.7
67.5°	116.1	120.2	125.4	131.4	137.7	145.9	154.2	161.0	165.3	169.2	175.1
70°	101.7	105.0	109.3	113.8	120.7	128.9	135.4	140.6	143.6	147.5	154.7
72.5°	87.0	90.8	94.9	99.4	105.0	111.8	117.6	122.9	124.8	127.9	132.4
75°	68.7	70.7	74.0	77.1	81.1	87.0	92.6	93.8	95.5	98.2	101.4
77.5°	51.9	53.7	55.0	57.2	60.3	65.0	67.9	69.9	70.3	71.3	74.5
80°	41.2	42.2	43.5	45.1	46.4	50.4	52.0	54.0	54.6	55.6	57.3
82.5°	30.2	31.2	32.0	33.3	35.5	37.0	38.7	40.6	40.7	41.5	41.8
85°	17.7	18.0	17.3	18.0	18.3	18.9	20.6	22.2	22.0	21.6	22.6
87.5°	7.9	7.8	7.4	8.1	7.4	7.5	7.3	7.4	7.7	8.1	8.4
90°	8.4	7.8	7.1	6.4	5.6	4.8	4.0	3.1	2.2	1.4	0.5
92.5°	8.4	7.8	7.1	6.5	5.9	5.2	5.1	5.8	6.4	7.0	7.6
95°	8.4	7.8	12.0	16.2	20.3	24.5	26.7	27.0	27.4	27.6	28.0
97.5°	21.1	24.2	32.4	40.6	48.8	57.0	60.8	60.2	59.7	59.1	58.5
100°	69.2	85.5	85.1	84.6	84.2	83.7	83.3	83.0	82.7	82.4	82.1
102.5°	106.0	109.1	108.8	108.6	108.2	108.0	107.6	107.3	106.9	106.4	106.0
105°	146.4	146.4	146.4	146.4	146.4	146.4	146.2	145.8	145.3	144.8	144.4
107.5°	185.3	185.3	185.1	184.9	184.6	184.4	184.3	184.3	184.3	184.3	184.3
110°	210.9	211.2	211.0	210.8	210.6	210.3	210.3	210.3	210.3	210.3	210.3



TEST NUMBER: P333526-935

CATALOG NUMBER: S125RDIP-S610D590U935-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	236.0	236.3	236.3	236.1	236.0	235.8	235.7	235.4	235.1	234.9	234.6
115°	273.7	274.1	274.0	273.9	273.8	273.7	273.4	272.8	272.2	271.7	271.1
117.5°	310.2	310.7	310.3	310.0	309.5	309.1	308.9	308.9	308.9	308.9	309.0
120°	333.3	333.6	333.2	332.9	332.6	332.3	332.1	332.3	332.3	332.4	332.6
122.5°	355.8	355.9	355.8	355.7	355.5	355.3	355.1	354.6	354.2	353.8	353.4
125°	388.7	389.1	389.1	389.1	389.1	389.1	388.7	387.9	387.1	386.4	385.6
127.5°	418.3	418.5	418.6	418.7	418.7	418.8	418.5	418.0	417.5	416.9	416.4
130°	437.8	438.2	438.1	438.0	437.8	437.7	437.4	436.9	436.4	435.8	435.2
132.5°	455.8	455.9	456.1	456.3	456.6	456.8	456.6	456.0	455.4	454.7	454.1
135°	482.7	482.8	483.1	483.3	483.5	483.8	483.5	482.8	482.2	481.6	481.0
137.5°	507.3	507.2	507.5	507.6	507.8	508.1	507.8	507.3	506.7	506.2	505.6
140°	522.4	522.2	522.3	522.4	522.5	522.6	522.5	522.4	522.1	521.9	521.7
142.5°	537.5	537.5	537.4	537.2	537.1	536.9	536.7	536.7	536.5	536.4	536.2
145°	558.6	558.5	558.5	558.5	558.5	558.5	558.4	558.2	558.0	557.8	557.6
147.5°	576.8	576.6	576.4	576.4	576.2	576.1	576.0	576.1	576.1	576.2	576.2
150°	588.2	588.0	587.8	587.5	587.4	587.1	587.1	587.4	587.5	587.8	588.0
152.5°	598.5	598.2	598.0	597.8	597.5	597.4	597.4	598.0	598.5	598.9	599.4
155°	612.4	612.1	611.8	611.7	611.4	611.2	611.4	612.1	612.8	613.4	614.1
157.5°	624.1	623.7	623.6	623.6	623.6	623.6	623.8	624.1	624.6	624.9	625.3
160°	631.2	630.8	630.6	630.5	630.4	630.3	630.6	631.2	631.9	632.6	633.2
162.5°	637.7	637.1	636.9	636.8	636.7	636.6	636.9	637.5	638.2	638.9	639.5
165°	646.1	645.5	645.4	645.2	645.1	645.1	645.3	646.0	646.6	647.3	647.9
167.5°	652.5	651.7	651.5	651.4	651.3	651.3	651.5	652.2	652.9	653.6	654.2
170°	655.7	654.8	654.7	654.6	654.4	654.4	654.7	655.5	656.3	657.0	657.8
172.5°	658.3	657.5	657.4	657.2	656.9	656.8	657.0	657.8	658.6	659.4	660.1
175°	661.1	660.2	660.1	660.0	659.9	659.8	660.0	660.7	661.3	662.0	662.7
177.5°	662.5	661.9	661.8	661.7	661.6	661.5	661.8	662.3	662.8	663.3	663.8
180°	662.7	662.7	662.7	662.7	662.7	662.7	662.7	662.7	662.7	662.7	662.7



TEST NUMBER: P333526-935

CATALOG NUMBER: S125RDIP-S610D590U935-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	796.8	796.8	796.8	796.8	796.8	796.8	796.8	796.8	796.8	796.8	796.8
2.5°	800.6	803.1	806.4	810.4	813.5	816.9	818.7	818.7	820.3	823.7	828.1
5°	803.0	811.5	819.7	830.1	838.3	847.7	855.0	861.9	868.1	875.9	884.1
7.5°	802.3	816.4	831.1	847.7	865.8	880.3	895.1	906.8	918.3	933.3	945.2
10°	799.7	818.0	837.9	858.8	881.8	901.7	919.7	936.1	951.7	968.1	982.8
12.5°	795.0	818.3	842.7	867.8	896.7	919.5	942.7	960.2	978.4	996.3	1014.5
15°	787.9	815.4	844.8	879.9	915.2	940.6	963.5	986.1	1003.2	1023.4	1040.8
17.5°	773.4	808.7	845.8	884.0	917.9	947.6	971.6	993.1	1011.2	1033.5	1057.0
20°	764.7	803.0	841.5	882.4	914.8	945.2	968.5	990.7	1013.2	1042.4	1071.2
22.5°	752.7	793.5	834.5	873.3	907.5	936.9	960.9	988.1	1017.7	1050.8	1085.5
25°	733.7	775.8	816.4	853.3	886.7	916.8	949.5	986.1	1022.1	1065.6	1115.6
27.5°	709.5	750.2	786.4	825.4	858.6	896.8	937.6	977.3	1029.2	1089.1	1151.6
30°	691.4	730.0	764.4	801.3	839.0	881.1	927.0	973.7	1035.5	1105.8	1180.1
32.5°	670.5	705.4	739.5	775.2	818.6	864.9	913.6	970.8	1044.7	1124.6	1201.5
35°	634.2	665.6	698.6	738.2	784.3	834.7	896.8	966.5	1055.8	1141.8	1210.8
37.5°	596.2	620.9	654.1	695.8	746.1	804.3	874.9	959.5	1051.2	1128.4	1157.8
40°	566.8	590.0	625.0	668.8	718.6	782.4	861.5	948.5	1040.8	1094.3	1092.1
42.5°	537.8	561.3	595.0	639.0	690.9	762.2	843.7	934.1	1011.9	1032.3	989.8
45°	493.2	515.1	548.2	592.6	648.2	723.2	808.8	895.5	945.2	912.2	827.9
47.5°	447.8	469.1	499.7	543.3	604.0	682.4	763.4	834.6	841.5	770.6	669.3
50°	418.0	437.9	467.1	513.5	572.4	648.9	727.1	783.0	765.7	679.0	574.6
52.5°	388.9	408.1	435.4	479.2	539.4	614.4	684.2	728.1	687.9	595.8	502.0
55°	346.0	364.4	391.8	432.0	486.6	555.3	616.6	632.6	573.7	480.8	404.9
57.5°	305.3	318.7	345.9	381.4	434.1	494.6	538.5	535.6	470.6	387.0	332.6
60°	278.4	290.4	316.2	349.0	399.0	453.3	484.1	471.0	405.3	336.2	283.9
62.5°	253.2	264.5	286.2	316.2	359.3	406.5	428.9	410.8	348.7	288.1	246.5
65°	215.2	223.4	240.7	268.5	302.2	334.9	354.9	328.4	273.5	227.6	196.2
67.5°	179.7	186.8	202.2	222.1	245.4	267.9	276.0	251.2	208.4	177.6	155.5
70°	156.7	163.2	173.7	192.3	207.7	223.7	227.6	205.4	169.8	146.2	132.4
72.5°	134.7	140.7	149.9	163.0	173.7	182.9	184.8	164.0	136.8	120.5	109.9
75°	102.7	108.0	113.8	118.7	125.6	127.3	126.6	110.6	95.8	85.1	79.1
77.5°	75.5	77.7	81.3	83.2	83.5	83.4	80.1	69.9	62.3	57.9	55.4
80°	58.2	59.8	60.9	61.5	61.8	58.5	54.9	48.7	46.1	43.5	40.6
82.5°	42.3	43.4	44.3	44.5	42.7	40.0	36.6	33.6	31.7	30.4	29.3
85°	22.9	23.2	22.9	21.3	18.9	18.0	17.3	16.7	16.4	16.0	16.0
87.5°	8.4	7.7	6.6	7.1	7.2	7.1	7.3	7.1	7.1	7.1	7.3
90°	1.4	2.2	3.1	4.0	4.8	5.6	6.4	7.1	7.8	8.4	9.0
92.5°	7.0	6.4	5.8	5.1	5.2	5.9	6.5	7.1	7.8	8.4	9.0
95°	27.6	27.4	27.0	26.7	24.5	20.3	16.2	12.0	7.8	8.4	9.0
97.5°	59.1	59.7	60.2	60.8	57.0	48.8	40.6	32.4	24.2	21.1	18.0
100°	82.4	82.7	83.0	83.3	83.7	84.2	84.6	85.1	85.5	69.2	53.0
102.5°	106.4	106.9	107.3	107.6	108.0	108.2	108.6	108.8	109.1	106.0	102.9
105°	144.8	145.3	145.8	146.2	146.4	146.4	146.4	146.4	146.4	146.4	146.4
107.5°	184.3	184.3	184.3	184.3	184.4	184.6	184.9	185.1	185.3	185.3	185.4
110°	210.3	210.3	210.3	210.3	210.3	210.6	210.8	211.0	211.2	210.9	210.6



TEST NUMBER: P333526-935

CATALOG NUMBER: S125RDIP-S610D590U935-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	234.9	235.1	235.4	235.7	235.8	236.0	236.1	236.3	236.3	236.0	235.6
115°	271.7	272.2	272.8	273.4	273.7	273.8	273.9	274.0	274.1	273.7	273.2
117.5°	308.9	308.9	308.9	308.9	309.1	309.5	310.0	310.3	310.7	310.2	309.6
120°	332.4	332.3	332.3	332.1	332.3	332.6	332.9	333.2	333.6	333.3	333.1
122.5°	353.8	354.2	354.6	355.1	355.3	355.5	355.7	355.8	355.9	355.8	355.5
125°	386.4	387.1	387.9	388.7	389.1	389.1	389.1	389.1	389.1	388.7	388.2
127.5°	416.9	417.5	418.0	418.5	418.8	418.7	418.7	418.6	418.5	418.3	418.0
130°	435.8	436.4	436.9	437.4	437.7	437.8	438.0	438.1	438.2	437.8	437.6
132.5°	454.7	455.4	456.0	456.6	456.8	456.6	456.3	456.1	455.9	455.8	455.7
135°	481.6	482.2	482.8	483.5	483.8	483.5	483.3	483.1	482.8	482.7	482.4
137.5°	506.2	506.7	507.3	507.8	508.1	507.8	507.6	507.5	507.2	507.3	507.3
140°	521.9	522.1	522.4	522.5	522.6	522.5	522.4	522.3	522.2	522.4	522.6
142.5°	536.4	536.5	536.7	536.7	536.9	537.1	537.2	537.4	537.5	537.5	537.6
145°	557.8	558.0	558.2	558.4	558.5	558.5	558.5	558.5	558.5	558.6	558.8
147.5°	576.2	576.1	576.1	576.0	576.1	576.2	576.4	576.4	576.6	576.8	576.9
150°	587.8	587.5	587.4	587.1	587.1	587.4	587.5	587.8	588.0	588.2	588.4
152.5°	598.9	598.5	598.0	597.4	597.4	597.5	597.8	598.0	598.2	598.5	598.7
155°	613.4	612.8	612.1	611.4	611.2	611.4	611.7	611.8	612.1	612.4	612.8
157.5°	624.9	624.6	624.1	623.8	623.6	623.6	623.6	623.6	623.7	624.1	624.4
160°	632.6	631.9	631.2	630.6	630.3	630.4	630.5	630.6	630.8	631.2	631.6
162.5°	638.9	638.2	637.5	636.9	636.6	636.7	636.8	636.9	637.1	637.7	638.3
165°	647.3	646.6	646.0	645.3	645.1	645.1	645.2	645.4	645.5	646.1	646.8
167.5°	653.6	652.9	652.2	651.5	651.3	651.3	651.4	651.5	651.7	652.5	653.2
170°	657.0	656.3	655.5	654.7	654.4	654.4	654.6	654.7	654.8	655.7	656.6
172.5°	659.4	658.6	657.8	657.0	656.8	656.9	657.2	657.4	657.5	658.3	659.1
175°	662.0	661.3	660.7	660.0	659.8	659.9	660.0	660.1	660.2	661.1	661.9
177.5°	663.3	662.8	662.3	661.8	661.5	661.6	661.7	661.8	661.9	662.5	663.1
180°	662.7	662.7	662.7	662.7	662.7	662.7	662.7	662.7	662.7	662.7	662.7



TEST NUMBER: P333526-935

CATALOG NUMBER: S125RDIP-S610D590U935-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	796.8	796.8	796.8	796.8	796.8	796.8	796.8
2.5°	831.6	831.6	836.0	835.7	838.6	837.6	838.1
5°	893.9	899.4	904.3	907.6	912.5	913.9	913.2
7.5°	958.6	970.9	976.9	985.2	986.6	990.9	990.5
10°	998.5	1010.6	1019.8	1027.0	1030.6	1035.2	1035.5
12.5°	1029.9	1040.2	1048.4	1055.0	1059.4	1060.8	1061.7
15°	1054.5	1065.9	1075.4	1084.9	1090.5	1094.7	1097.0
17.5°	1079.2	1096.8	1113.6	1126.5	1134.2	1140.7	1140.7
20°	1098.3	1118.6	1139.5	1154.3	1169.2	1175.8	1176.8
22.5°	1118.7	1149.7	1176.6	1199.5	1219.3	1226.1	1228.6
25°	1161.1	1201.6	1243.2	1275.2	1298.1	1311.6	1313.5
27.5°	1212.3	1267.2	1310.9	1340.5	1359.5	1369.4	1371.6
30°	1248.4	1299.1	1338.3	1360.6	1369.4	1370.7	1365.8
32.5°	1264.6	1302.5	1318.2	1316.9	1299.6	1288.1	1283.7
35°	1244.8	1237.0	1198.7	1152.9	1117.9	1095.7	1089.8
37.5°	1132.8	1065.1	994.7	925.6	888.7	870.0	837.8
40°	1022.4	925.9	852.6	794.4	752.9	719.5	711.7
42.5°	897.9	798.2	725.0	675.1	642.0	619.1	609.2
45°	721.5	635.8	575.3	537.0	511.5	494.8	487.3
47.5°	577.0	510.7	466.7	438.3	418.9	404.4	400.4
50°	497.8	444.8	407.5	383.7	368.9	357.8	353.3
52.5°	432.4	389.6	360.9	341.3	327.4	320.4	316.6
55°	356.8	319.9	299.3	283.5	275.7	270.2	267.5
57.5°	291.8	265.1	250.0	239.2	232.0	228.4	227.1
60°	255.5	234.5	220.8	212.2	207.3	202.8	201.5
62.5°	223.3	206.8	196.1	188.7	183.8	181.8	181.1
65°	179.9	169.1	161.3	156.7	152.7	152.1	151.8
67.5°	143.0	136.6	132.5	127.8	126.4	124.1	123.6
70°	122.3	118.0	113.1	111.5	109.9	107.6	108.0
72.5°	103.8	99.5	96.2	94.0	93.4	92.5	93.2
75°	75.9	74.6	73.3	71.6	70.9	70.9	70.7
77.5°	54.2	53.0	51.6	50.6	50.5	49.1	49.6
80°	39.3	37.6	36.9	37.3	36.3	36.0	36.0
82.5°	29.0	28.4	27.8	27.9	27.6	27.4	27.6
85°	16.0	15.7	15.7	15.4	15.4	15.1	15.1
87.5°	7.7	8.0	7.6	7.4	7.5	7.7	8.1
90°	9.5	10.1	10.5	10.8	11.1	11.5	11.8
92.5°	9.5	10.1	10.4	10.5	10.7	10.8	11.0
95°	9.5	10.1	10.3	10.3	10.3	10.3	10.3
97.5°	14.9	11.9	10.3	10.3	10.3	10.3	10.3
100°	36.7	20.4	12.1	11.6	11.2	10.8	10.3
102.5°	99.8	96.8	91.5	84.0	76.6	69.2	61.8
105°	146.4	146.4	146.4	146.2	146.1	146.0	145.9
107.5°	185.4	185.4	185.2	184.9	184.6	184.3	183.9
110°	210.3	209.9	209.8	209.9	210.0	210.2	210.3



TEST NUMBER: P333526-935

CATALOG NUMBER: S125RDIP-S610D590U935-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
112.5°	235.1	234.7	234.5	234.3	234.1	234.0	233.8
115°	272.8	272.3	271.8	271.1	270.5	269.8	269.2
117.5°	309.0	308.5	308.1	307.8	307.5	307.2	306.9
120°	332.9	332.7	332.3	331.7	331.2	330.6	330.1
122.5°	355.3	355.1	354.6	354.0	353.4	352.8	352.1
125°	387.7	387.3	386.9	386.6	386.2	386.0	385.6
127.5°	417.8	417.6	417.1	416.2	415.4	414.7	413.8
130°	437.2	436.9	436.4	435.9	435.3	434.8	434.3
132.5°	455.6	455.6	455.3	454.8	454.2	453.7	453.1
135°	482.2	482.0	481.6	481.0	480.3	479.6	479.0
137.5°	507.4	507.4	507.1	506.6	506.0	505.5	504.9
140°	522.8	523.1	522.8	522.2	521.5	520.9	520.2
142.5°	537.6	537.7	537.4	536.7	536.1	535.4	534.8
145°	558.9	559.0	558.7	558.0	557.4	556.7	556.0
147.5°	577.0	577.1	576.8	576.0	575.2	574.5	573.7
150°	588.7	588.8	588.6	587.7	586.8	585.9	585.0
152.5°	598.9	599.1	598.8	598.1	597.3	596.4	595.6
155°	613.0	613.4	613.1	612.3	611.4	610.5	609.6
157.5°	624.7	625.1	624.8	624.0	623.0	622.2	621.3
160°	632.1	632.5	632.2	631.4	630.5	629.6	628.8
162.5°	638.9	639.5	639.3	638.3	637.4	636.5	635.4
165°	647.5	648.1	648.0	647.1	646.3	645.4	644.5
167.5°	654.0	654.8	654.7	653.8	652.7	651.8	650.7
170°	657.5	658.3	658.2	657.3	656.3	655.3	654.4
172.5°	660.0	660.7	660.6	659.6	658.7	657.6	656.7
175°	662.8	663.7	663.7	662.7	661.7	660.7	659.7
177.5°	663.7	664.3	664.3	663.6	662.9	662.2	661.5
180°	662.7	662.7	662.7	662.7	662.7	662.7	662.7

(END OF REPORT)