

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: P333540-930

Luminaire Tested: **S125RDIP-S610D1035U930-4F0-1E-UDD-A4**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P333540-930
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1807-864-19,
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: NEO-RAY
Catalog Number: S125RDIP-S610D1035U930-4F0-1E-UDD-A4
Description: DEFINE 5 DIRECT-INDIRECT PENDANT LED LUMINAIRE
DOWNLIGHT 610 LUMENS PER FOOT, ASYMMETRIC DIFFUSER, REGRESSED HOUSING
UPLIGHT 1035 LUMENS PER FOOT, BATWING OPTIC
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4984.2 lumens
Efficiency: N/A
Efficacy: 112.0 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: Semi-Indirect

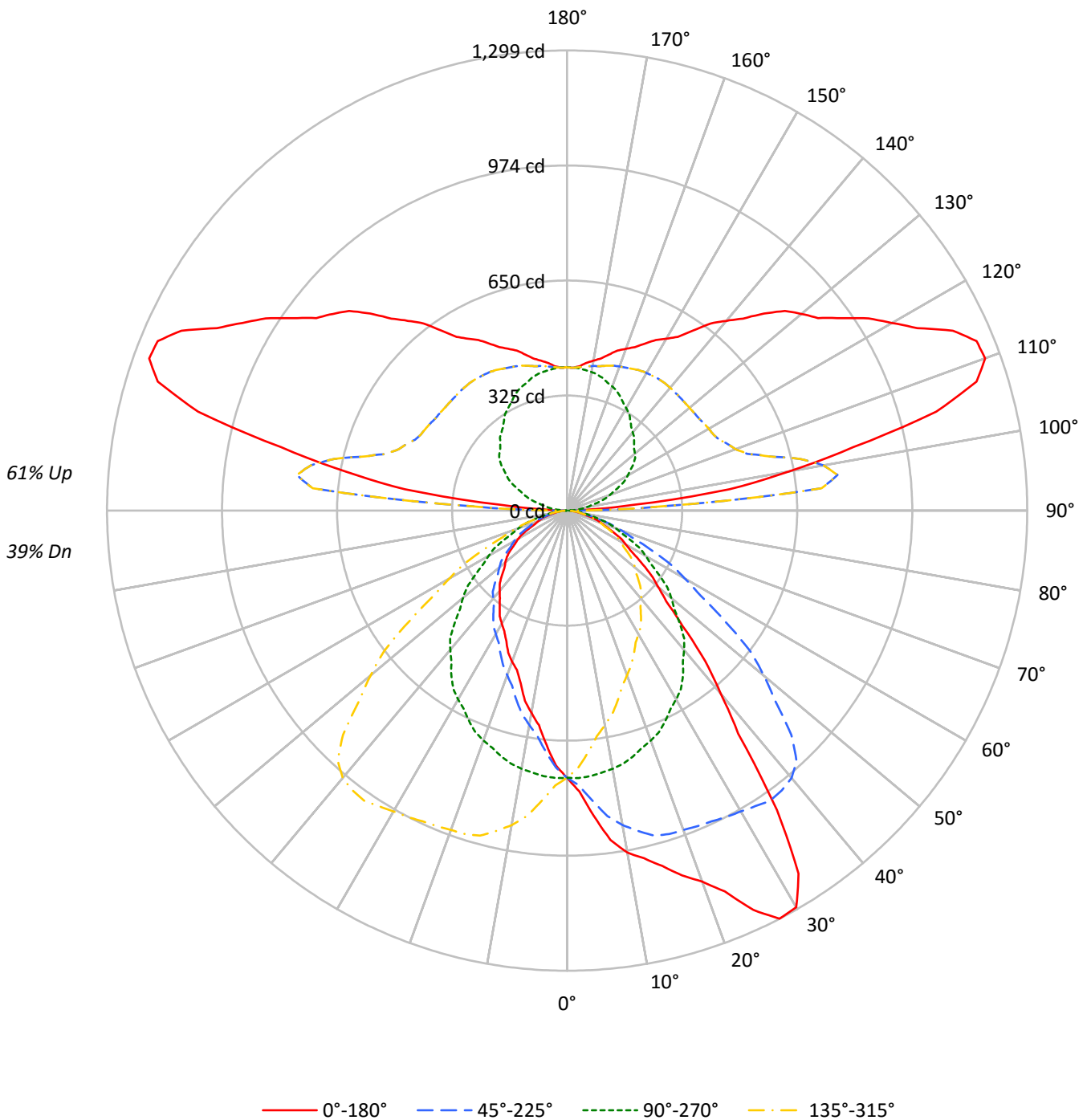
Input Watts (W): 44.5
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	105	105	105	105	95	95	95	95	77	77	77	61	61	61	46	46	46	39
1	96	92	88	85	87	83	80	78	68	66	64	54	53	52	41	41	40	34
2	87	80	74	70	79	73	68	64	60	57	54	48	46	43	37	35	34	29
3	80	71	64	58	72	65	59	54	53	49	45	43	40	37	33	31	29	25
4	73	63	55	49	66	57	51	46	47	43	39	38	35	32	29	27	25	21
5	67	56	48	42	61	51	44	39	42	37	33	34	31	28	27	24	22	19
6	62	50	42	37	56	46	39	34	38	33	29	31	27	24	24	22	20	17
7	57	45	38	32	52	42	35	30	35	30	26	28	24	22	22	19	17	15
8	53	41	34	28	48	38	31	27	32	26	23	26	22	19	20	18	16	13
9	49	37	30	25	45	34	28	24	29	24	20	24	20	17	19	16	14	12
10	46	34	27	23	42	32	25	21	27	22	18	22	18	16	17	15	13	11

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	1.5
10°-20°	212.0	4.3
20°-30°	336.2	6.7
30°-40°	405.4	8.1
40°-50°	362.0	7.3
50°-60°	277.6	5.6
60°-70°	180.4	3.6
70°-80°	87.7	1.8
80°-90°	23.2	0.5
90°-100°	292.6	5.9
100°-110°	629.0	12.6
110°-120°	590.3	11.8
120°-130°	478.4	9.6
130°-140°	383.9	7.7
140°-150°	289.7	5.8
150°-160°	203.9	4.1
160°-170°	120.2	2.4
170°-180°	39.1	0.8
0°-30°	620.5	12.5
0°-40°	1025.9	20.6
0°-60°	1665.6	33.4
0°-90°	1956.9	39.3
90°-120°	1512.0	30.3
90°-150°	2664.1	53.4
90°-180°	3027.0	60.7
0°-180°	4984.2	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°	19	1	19	1	19	14
95°	191	27	191	27	191	271
105°	1078	92	1078	92	1078	1072
115°	1201	164	1201	164	1201	1174
125°	947	228	947	228	947	856
135°	786	267	786	267	786	609
145°	620	311	620	311	620	394
155°	520	355	520	355	520	242
165°	456	387	456	387	456	130
175°	409	403	409	403	409	40
180°	404	404	404	404	404	



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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°	9.2	9.0	8.6	8.6	8.8	9.0	8.6	8.2	8.0	7.8	7.7
90°	18.8	18.8	17.9	17.9	17.9	16.3	15.5	14.7	13.9	13.0	11.4
92.5°	51.9	53.2	54.4	56.3	66.8	78.8	104.7	144.2	212.4	262.4	266.6
95°	191.3	204.3	210.8	235.2	293.0	361.3	461.5	585.2	705.6	721.1	588.5
97.5°	462.3	472.7	496.3	541.9	592.2	687.2	784.7	871.6	892.8	770.1	525.5
100°	634.9	647.8	678.0	736.5	792.7	877.3	961.2	1001.1	938.4	734.9	468.8
102.5°	827.5	837.3	870.1	911.7	971.8	1029.1	1069.3	1044.7	911.1	673.1	425.8
105°	1078.4	1088.2	1104.5	1131.3	1157.3	1166.3	1130.5	1019.0	823.7	590.0	384.2
107.5°	1211.5	1218.1	1223.4	1223.6	1210.4	1167.9	1076.0	927.2	734.4	533.0	366.6
110°	1255.8	1255.8	1250.1	1234.7	1198.1	1128.9	1014.1	859.5	683.6	506.2	361.3



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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	1250.6	1244.8	1230.6	1204.0	1150.6	1068.9	952.9	806.1	645.9	490.6	361.3
115°	1201.3	1190.7	1167.9	1128.9	1065.4	976.6	865.2	739.0	604.7	473.7	363.8
117.5°	1114.8	1108.3	1085.7	1045.4	981.9	900.5	804.5	695.7	580.2	465.4	369.2
120°	1058.9	1052.4	1030.4	991.3	931.1	859.5	770.0	672.3	566.5	461.5	374.4
122.5°	1009.4	1003.6	981.5	945.7	892.0	824.9	745.2	654.7	554.7	458.2	379.0
125°	946.6	938.4	920.5	887.1	841.6	782.9	712.2	629.2	538.8	454.1	386.6
127.5°	892.8	889.2	872.3	842.9	801.5	746.7	680.6	603.1	524.2	452.2	395.3
130°	863.6	858.7	842.4	815.5	774.9	721.9	658.4	586.9	514.4	450.9	400.5
132.5°	834.2	828.7	813.8	786.8	746.2	695.2	637.6	570.5	506.5	450.9	406.3
135°	786.2	781.3	766.7	739.8	704.0	657.6	605.5	549.3	497.3	450.9	414.3
137.5°	734.9	729.6	716.1	691.6	659.6	620.2	576.9	531.5	489.0	451.8	421.6
140°	699.1	695.0	682.9	661.7	631.6	597.4	559.9	521.7	485.1	452.5	424.9
142.5°	665.9	662.5	650.9	633.1	607.5	577.9	545.6	513.2	481.8	453.1	426.8
145°	620.2	616.9	608.0	594.1	574.6	552.6	527.4	502.1	477.0	452.5	428.9
147.5°	581.5	580.0	574.8	563.7	548.2	531.7	512.3	491.8	471.9	450.4	429.7
150°	559.9	559.1	555.9	546.1	533.9	519.3	503.8	485.9	468.0	448.4	429.7
152.5°	543.0	542.2	539.0	531.2	520.9	509.5	495.3	479.4	463.4	445.9	429.1
155°	520.1	519.3	516.8	511.1	503.0	494.1	482.7	469.6	455.8	441.2	427.3
157.5°	499.5	499.7	497.4	492.8	486.4	479.4	470.6	459.8	448.6	436.3	425.2
160°	485.9	486.7	485.1	481.0	475.3	469.6	461.5	453.3	442.8	433.0	423.2
162.5°	473.5	473.7	473.4	469.9	465.5	460.5	453.6	446.2	437.6	429.1	421.3
165°	455.8	455.8	455.8	454.1	450.9	446.9	442.0	436.3	429.7	423.2	418.3
167.5°	439.5	439.7	440.3	438.9	437.2	434.3	430.6	426.8	422.1	417.5	413.8
170°	429.7	430.6	430.6	429.7	428.1	426.5	424.0	421.6	417.5	414.3	411.8
172.5°	420.6	421.4	422.7	421.3	420.9	420.0	418.2	415.7	412.9	410.3	409.2
175°	409.4	410.2	411.8	411.0	411.0	411.0	409.4	409.4	406.9	406.1	406.1
177.5°	403.7	403.7	405.6	405.0	405.6	405.6	405.6	405.0	404.3	403.7	403.7
180°	403.7	403.7	403.7	403.7	403.7	403.7	403.7	403.7	403.7	403.7	403.7



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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°	7.8	7.5	7.6	7.3	6.7	7.6	8.0	8.1	7.7	7.6	7.4
90°	10.6	9.0	8.2	6.5	4.9	3.3	1.6	0.8	1.6	3.3	4.9
92.5°	185.7	111.2	66.8	43.0	28.9	18.9	12.1	9.9	12.1	18.9	28.9
95°	363.8	184.7	97.7	61.1	43.1	34.2	27.6	26.8	27.6	34.2	43.1
97.5°	290.4	159.2	101.6	75.2	59.1	50.1	45.6	44.6	45.6	50.1	59.1
100°	263.7	157.9	110.7	86.3	70.8	61.9	58.6	57.0	58.6	61.9	70.8
102.5°	252.7	163.8	121.7	98.0	83.8	74.2	71.6	70.7	71.6	74.2	83.8
105°	248.3	175.8	140.0	117.2	104.2	96.0	92.0	92.0	92.0	96.0	104.2
107.5°	255.8	193.7	159.1	138.5	125.0	118.3	114.5	112.8	114.5	118.3	125.0
110°	262.9	206.8	173.3	152.2	140.0	132.6	129.4	127.8	129.4	132.6	140.0



TEST NUMBER: P333540-930

CATALOG NUMBER: S125RDIP-S610D1035U930-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	272.0	219.1	187.0	166.5	154.3	147.0	144.4	142.8	144.4	147.0	154.3
115°	285.7	238.5	208.4	188.0	175.8	168.4	166.0	164.4	166.0	168.4	175.8
117.5°	301.3	258.4	229.8	210.2	196.3	189.0	186.4	183.9	186.4	189.0	196.3
120°	311.7	272.6	244.2	223.8	210.0	202.7	199.4	197.0	199.4	202.7	210.0
122.5°	323.4	286.3	257.9	237.5	222.3	215.0	212.4	210.7	212.4	215.0	222.3
125°	339.4	304.4	277.5	256.4	240.9	233.6	229.5	227.9	229.5	233.6	240.9
127.5°	354.0	321.8	296.0	274.8	258.4	249.1	243.9	241.4	243.9	249.1	258.4
130°	363.8	332.9	307.6	286.5	269.4	258.9	252.3	249.9	252.3	258.9	269.4
132.5°	372.3	343.3	318.0	296.9	279.2	267.3	259.4	256.4	259.4	267.3	279.2
135°	384.2	357.3	332.1	310.1	293.0	280.0	270.2	266.9	270.2	280.0	293.0
137.5°	393.0	367.2	344.3	321.6	304.9	291.9	282.7	280.3	282.7	291.9	304.9
140°	398.8	374.4	350.8	328.8	313.3	300.4	290.6	288.1	290.6	300.4	313.3
142.5°	402.0	379.0	356.6	336.0	321.1	308.1	299.1	297.3	299.1	308.1	321.1
145°	406.9	386.6	365.4	346.7	332.1	320.7	312.5	310.9	312.5	320.7	332.1
147.5°	409.9	391.5	372.9	356.4	343.8	333.2	326.2	325.2	326.2	333.2	343.8
150°	411.8	394.8	376.8	363.0	351.6	341.0	335.3	333.7	335.3	341.0	351.6
152.5°	413.1	398.0	381.4	368.8	358.1	348.9	343.8	342.8	343.8	348.9	358.1
155°	414.3	401.2	387.4	376.0	367.9	359.7	354.8	354.8	354.8	359.7	367.9
157.5°	415.1	404.0	392.2	383.5	376.3	369.3	365.4	365.6	365.4	369.3	376.3
160°	415.1	405.3	394.8	387.4	380.9	375.2	371.9	372.8	371.9	375.2	380.9
162.5°	414.4	406.6	397.4	391.3	386.1	381.1	377.8	378.6	377.8	381.1	386.1
165°	413.4	406.9	400.5	395.6	392.3	388.2	385.8	387.4	385.8	388.2	392.3
167.5°	411.5	406.9	401.5	398.5	396.2	394.0	392.5	393.3	392.5	394.0	396.2
170°	410.2	406.9	402.8	400.5	398.8	397.2	396.4	397.2	396.4	397.2	398.8
172.5°	408.9	406.3	402.8	401.7	400.7	399.2	398.4	399.8	398.4	399.2	400.7
175°	406.9	405.3	402.8	402.8	402.8	402.0	401.2	402.8	401.2	402.0	402.8
177.5°	405.0	404.3	403.0	403.0	403.7	403.0	403.0	404.3	403.0	403.0	403.7
180°	403.7	403.7	403.7	403.7	403.7	403.7	403.7	403.7	403.7	403.7	403.7



TEST NUMBER: P333540-930

CATALOG NUMBER: S125RDIP-S610D1035U930-4F0-1E-UDD-A4

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°	7.5	7.8	7.7	8.6	8.0	8.6	8.7	8.6	8.8	9.0	9.0
90°	6.5	8.2	9.0	10.6	11.4	13.0	13.9	14.7	15.5	16.3	17.9
92.5°	43.0	66.8	111.2	185.7	266.6	262.4	212.4	144.2	104.7	78.8	66.8
95°	61.1	97.7	184.7	363.8	588.5	721.1	705.6	585.2	461.5	361.3	293.0
97.5°	75.2	101.6	159.2	290.4	525.5	770.1	892.8	871.6	784.7	687.2	592.2
100°	86.3	110.7	157.9	263.7	468.8	734.9	938.4	1001.1	961.2	877.3	792.7
102.5°	98.0	121.7	163.8	252.7	425.8	673.1	911.1	1044.7	1069.3	1029.1	971.8
105°	117.2	140.0	175.8	248.3	384.2	590.0	823.7	1019.0	1130.5	1166.3	1157.3
107.5°	138.5	159.1	193.7	255.8	366.6	533.0	734.4	927.2	1076.0	1167.9	1210.4
110°	152.2	173.3	206.8	262.9	361.3	506.2	683.6	859.5	1014.1	1128.9	1198.1



TEST NUMBER: P333540-930

CATALOG NUMBER: S125RDIP-S610D1035U930-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	166.5	187.0	219.1	272.0	361.3	490.6	645.9	806.1	952.9	1068.9	1150.6
115°	188.0	208.4	238.5	285.7	363.8	473.7	604.7	739.0	865.2	976.6	1065.4
117.5°	210.2	229.8	258.4	301.3	369.2	465.4	580.2	695.7	804.5	900.5	981.9
120°	223.8	244.2	272.6	311.7	374.4	461.5	566.5	672.3	770.0	859.5	931.1
122.5°	237.5	257.9	286.3	323.4	379.0	458.2	554.7	654.7	745.2	824.9	892.0
125°	256.4	277.5	304.4	339.4	386.6	454.1	538.8	629.2	712.2	782.9	841.6
127.5°	274.8	296.0	321.8	354.0	395.3	452.2	524.2	603.1	680.6	746.7	801.5
130°	286.5	307.6	332.9	363.8	400.5	450.9	514.4	586.9	658.4	721.9	774.9
132.5°	296.9	318.0	343.3	372.3	406.3	450.9	506.5	570.5	637.6	695.2	746.2
135°	310.1	332.1	357.3	384.2	414.3	450.9	497.3	549.3	605.5	657.6	704.0
137.5°	321.6	344.3	367.2	393.0	421.6	451.8	489.0	531.5	576.9	620.2	659.6
140°	328.8	350.8	374.4	398.8	424.9	452.5	485.1	521.7	559.9	597.4	631.6
142.5°	336.0	356.6	379.0	402.0	426.8	453.1	481.8	513.2	545.6	577.9	607.5
145°	346.7	365.4	386.6	406.9	428.9	452.5	477.0	502.1	527.4	552.6	574.6
147.5°	356.4	372.9	391.5	409.9	429.7	450.4	471.9	491.8	512.3	531.7	548.2
150°	363.0	376.8	394.8	411.8	429.7	448.4	468.0	485.9	503.8	519.3	533.9
152.5°	368.8	381.4	398.0	413.1	429.1	445.9	463.4	479.4	495.3	509.5	520.9
155°	376.0	387.4	401.2	414.3	427.3	441.2	455.8	469.6	482.7	494.1	503.0
157.5°	383.5	392.2	404.0	415.1	425.2	436.3	448.6	459.8	470.6	479.4	486.4
160°	387.4	394.8	405.3	415.1	423.2	433.0	442.8	453.3	461.5	469.6	475.3
162.5°	391.3	397.4	406.6	414.4	421.3	429.1	437.6	446.2	453.6	460.5	465.5
165°	395.6	400.5	406.9	413.4	418.3	423.2	429.7	436.3	442.0	446.9	450.9
167.5°	398.5	401.5	406.9	411.5	413.8	417.5	422.1	426.8	430.6	434.3	437.2
170°	400.5	402.8	406.9	410.2	411.8	414.3	417.5	421.6	424.0	426.5	428.1
172.5°	401.7	402.8	406.3	408.9	409.2	410.3	412.9	415.7	418.2	420.0	420.9
175°	402.8	402.8	405.3	406.9	406.1	406.1	406.9	409.4	409.4	411.0	411.0
177.5°	403.0	403.0	404.3	405.0	403.7	403.7	404.3	405.0	405.6	405.6	405.6
180°	403.7	403.7	403.7	403.7	403.7	403.7	403.7	403.7	403.7	403.7	403.7



TEST NUMBER: P333540-930

CATALOG NUMBER: S125RDIP-S610D1035U930-4F0-1E-UDD-A4

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°	9.3	9.0	9.2	9.2	9.2	9.0	9.3	9.0	9.0	8.8	8.6
90°	17.9	17.9	18.8	18.8	18.8	17.9	17.9	17.9	16.3	15.5	14.7
92.5°	56.3	54.4	53.2	51.9	53.2	54.4	56.3	66.8	78.8	104.7	144.2
95°	235.2	210.8	204.3	191.3	204.3	210.8	235.2	293.0	361.3	461.5	585.2
97.5°	541.9	496.3	472.7	462.3	472.7	496.3	541.9	592.2	687.2	784.7	871.6
100°	736.5	678.0	647.8	634.9	647.8	678.0	736.5	792.7	877.3	961.2	1001.1
102.5°	911.7	870.1	837.3	827.5	837.3	870.1	911.7	971.8	1029.1	1069.3	1044.7
105°	1131.3	1104.5	1088.2	1078.4	1088.2	1104.5	1131.3	1157.3	1166.3	1130.5	1019.0
107.5°	1223.6	1223.4	1218.1	1211.5	1218.1	1223.4	1223.6	1210.4	1167.9	1076.0	927.2
110°	1234.7	1250.1	1255.8	1255.8	1255.8	1250.1	1234.7	1198.1	1128.9	1014.1	859.5



TEST NUMBER: P333540-930

CATALOG NUMBER: S125RDIP-S610D1035U930-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	1204.0	1230.6	1244.8	1250.6	1244.8	1230.6	1204.0	1150.6	1068.9	952.9	806.1
115°	1128.9	1167.9	1190.7	1201.3	1190.7	1167.9	1128.9	1065.4	976.6	865.2	739.0
117.5°	1045.4	1085.7	1108.3	1114.8	1108.3	1085.7	1045.4	981.9	900.5	804.5	695.7
120°	991.3	1030.4	1052.4	1058.9	1052.4	1030.4	991.3	931.1	859.5	770.0	672.3
122.5°	945.7	981.5	1003.6	1009.4	1003.6	981.5	945.7	892.0	824.9	745.2	654.7
125°	887.1	920.5	938.4	946.6	938.4	920.5	887.1	841.6	782.9	712.2	629.2
127.5°	842.9	872.3	889.2	892.8	889.2	872.3	842.9	801.5	746.7	680.6	603.1
130°	815.5	842.4	858.7	863.6	858.7	842.4	815.5	774.9	721.9	658.4	586.9
132.5°	786.8	813.8	828.7	834.2	828.7	813.8	786.8	746.2	695.2	637.6	570.5
135°	739.8	766.7	781.3	786.2	781.3	766.7	739.8	704.0	657.6	605.5	549.3
137.5°	691.6	716.1	729.6	734.9	729.6	716.1	691.6	659.6	620.2	576.9	531.5
140°	661.7	682.9	695.0	699.1	695.0	682.9	661.7	631.6	597.4	559.9	521.7
142.5°	633.1	650.9	662.5	665.9	662.5	650.9	633.1	607.5	577.9	545.6	513.2
145°	594.1	608.0	616.9	620.2	616.9	608.0	594.1	574.6	552.6	527.4	502.1
147.5°	563.7	574.8	580.0	581.5	580.0	574.8	563.7	548.2	531.7	512.3	491.8
150°	546.1	555.9	559.1	559.9	559.1	555.9	546.1	533.9	519.3	503.8	485.9
152.5°	531.2	539.0	542.2	543.0	542.2	539.0	531.2	520.9	509.5	495.3	479.4
155°	511.1	516.8	519.3	520.1	519.3	516.8	511.1	503.0	494.1	482.7	469.6
157.5°	492.8	497.4	499.7	499.5	499.7	497.4	492.8	486.4	479.4	470.6	459.8
160°	481.0	485.1	486.7	485.9	486.7	485.1	481.0	475.3	469.6	461.5	453.3
162.5°	469.9	473.4	473.7	473.5	473.7	473.4	469.9	465.5	460.5	453.6	446.2
165°	454.1	455.8	455.8	455.8	455.8	455.8	454.1	450.9	446.9	442.0	436.3
167.5°	438.9	440.3	439.7	439.5	439.7	440.3	438.9	437.2	434.3	430.6	426.8
170°	429.7	430.6	430.6	429.7	430.6	430.6	429.7	428.1	426.5	424.0	421.6
172.5°	421.3	422.7	421.4	420.6	421.4	422.7	421.3	420.9	420.0	418.2	415.7
175°	411.0	411.8	410.2	409.4	410.2	411.8	411.0	411.0	411.0	409.4	409.4
177.5°	405.0	405.6	403.7	403.7	403.7	405.6	405.0	405.6	405.6	405.6	405.0
180°	403.7	403.7	403.7	403.7	403.7	403.7	403.7	403.7	403.7	403.7	403.7



TEST NUMBER: P333540-930

CATALOG NUMBER: S125RDIP-S610D1035U930-4F0-1E-UDD-A4

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°	8.7	8.6	8.0	8.6	7.7	7.8	7.5	7.4	7.6	7.7	8.1
90°	13.9	13.0	11.4	10.6	9.0	8.2	6.5	4.9	3.3	1.6	0.8
92.5°	212.4	262.4	266.6	185.7	111.2	66.8	43.0	28.9	18.9	12.1	9.9
95°	705.6	721.1	588.5	363.8	184.7	97.7	61.1	43.1	34.2	27.6	26.8
97.5°	892.8	770.1	525.5	290.4	159.2	101.6	75.2	59.1	50.1	45.6	44.6
100°	938.4	734.9	468.8	263.7	157.9	110.7	86.3	70.8	61.9	58.6	57.0
102.5°	911.1	673.1	425.8	252.7	163.8	121.7	98.0	83.8	74.2	71.6	70.7
105°	823.7	590.0	384.2	248.3	175.8	140.0	117.2	104.2	96.0	92.0	92.0
107.5°	734.4	533.0	366.6	255.8	193.7	159.1	138.5	125.0	118.3	114.5	112.8
110°	683.6	506.2	361.3	262.9	206.8	173.3	152.2	140.0	132.6	129.4	127.8



TEST NUMBER: P333540-930

CATALOG NUMBER: S125RDIP-S610D1035U930-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	645.9	490.6	361.3	272.0	219.1	187.0	166.5	154.3	147.0	144.4	142.8
115°	604.7	473.7	363.8	285.7	238.5	208.4	188.0	175.8	168.4	166.0	164.4
117.5°	580.2	465.4	369.2	301.3	258.4	229.8	210.2	196.3	189.0	186.4	183.9
120°	566.5	461.5	374.4	311.7	272.6	244.2	223.8	210.0	202.7	199.4	197.0
122.5°	554.7	458.2	379.0	323.4	286.3	257.9	237.5	222.3	215.0	212.4	210.7
125°	538.8	454.1	386.6	339.4	304.4	277.5	256.4	240.9	233.6	229.5	227.9
127.5°	524.2	452.2	395.3	354.0	321.8	296.0	274.8	258.4	249.1	243.9	241.4
130°	514.4	450.9	400.5	363.8	332.9	307.6	286.5	269.4	258.9	252.3	249.9
132.5°	506.5	450.9	406.3	372.3	343.3	318.0	296.9	279.2	267.3	259.4	256.4
135°	497.3	450.9	414.3	384.2	357.3	332.1	310.1	293.0	280.0	270.2	266.9
137.5°	489.0	451.8	421.6	393.0	367.2	344.3	321.6	304.9	291.9	282.7	280.3
140°	485.1	452.5	424.9	398.8	374.4	350.8	328.8	313.3	300.4	290.6	288.1
142.5°	481.8	453.1	426.8	402.0	379.0	356.6	336.0	321.1	308.1	299.1	297.3
145°	477.0	452.5	428.9	406.9	386.6	365.4	346.7	332.1	320.7	312.5	310.9
147.5°	471.9	450.4	429.7	409.9	391.5	372.9	356.4	343.8	333.2	326.2	325.2
150°	468.0	448.4	429.7	411.8	394.8	376.8	363.0	351.6	341.0	335.3	333.7
152.5°	463.4	445.9	429.1	413.1	398.0	381.4	368.8	358.1	348.9	343.8	342.8
155°	455.8	441.2	427.3	414.3	401.2	387.4	376.0	367.9	359.7	354.8	354.8
157.5°	448.6	436.3	425.2	415.1	404.0	392.2	383.5	376.3	369.3	365.4	365.6
160°	442.8	433.0	423.2	415.1	405.3	394.8	387.4	380.9	375.2	371.9	372.8
162.5°	437.6	429.1	421.3	414.4	406.6	397.4	391.3	386.1	381.1	377.8	378.6
165°	429.7	423.2	418.3	413.4	406.9	400.5	395.6	392.3	388.2	385.8	387.4
167.5°	422.1	417.5	413.8	411.5	406.9	401.5	398.5	396.2	394.0	392.5	393.3
170°	417.5	414.3	411.8	410.2	406.9	402.8	400.5	398.8	397.2	396.4	397.2
172.5°	412.9	410.3	409.2	408.9	406.3	402.8	401.7	400.7	399.2	398.4	399.8
175°	406.9	406.1	406.1	406.9	405.3	402.8	402.8	402.8	402.0	401.2	402.8
177.5°	404.3	403.7	403.7	405.0	404.3	403.0	403.0	403.7	403.0	403.0	404.3
180°	403.7	403.7	403.7	403.7	403.7	403.7	403.7	403.7	403.7	403.7	403.7



TEST NUMBER: P333540-930

CATALOG NUMBER: S125RDIP-S610D1035U930-4F0-1E-UDD-A4

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°	8.0	7.6	6.7	7.3	7.6	7.5	7.8	7.7	7.8	8.0	8.2
90°	1.6	3.3	4.9	6.5	8.2	9.0	10.6	11.4	13.0	13.9	14.7
92.5°	12.1	18.9	28.9	43.0	66.8	111.2	185.7	266.6	262.4	212.4	144.2
95°	27.6	34.2	43.1	61.1	97.7	184.7	363.8	588.5	721.1	705.6	585.2
97.5°	45.6	50.1	59.1	75.2	101.6	159.2	290.4	525.5	770.1	892.8	871.6
100°	58.6	61.9	70.8	86.3	110.7	157.9	263.7	468.8	734.9	938.4	1001.1
102.5°	71.6	74.2	83.8	98.0	121.7	163.8	252.7	425.8	673.1	911.1	1044.7
105°	92.0	96.0	104.2	117.2	140.0	175.8	248.3	384.2	590.0	823.7	1019.0
107.5°	114.5	118.3	125.0	138.5	159.1	193.7	255.8	366.6	533.0	734.4	927.2
110°	129.4	132.6	140.0	152.2	173.3	206.8	262.9	361.3	506.2	683.6	859.5



TEST NUMBER: P333540-930

CATALOG NUMBER: S125RDIP-S610D1035U930-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	144.4	147.0	154.3	166.5	187.0	219.1	272.0	361.3	490.6	645.9	806.1
115°	166.0	168.4	175.8	188.0	208.4	238.5	285.7	363.8	473.7	604.7	739.0
117.5°	186.4	189.0	196.3	210.2	229.8	258.4	301.3	369.2	465.4	580.2	695.7
120°	199.4	202.7	210.0	223.8	244.2	272.6	311.7	374.4	461.5	566.5	672.3
122.5°	212.4	215.0	222.3	237.5	257.9	286.3	323.4	379.0	458.2	554.7	654.7
125°	229.5	233.6	240.9	256.4	277.5	304.4	339.4	386.6	454.1	538.8	629.2
127.5°	243.9	249.1	258.4	274.8	296.0	321.8	354.0	395.3	452.2	524.2	603.1
130°	252.3	258.9	269.4	286.5	307.6	332.9	363.8	400.5	450.9	514.4	586.9
132.5°	259.4	267.3	279.2	296.9	318.0	343.3	372.3	406.3	450.9	506.5	570.5
135°	270.2	280.0	293.0	310.1	332.1	357.3	384.2	414.3	450.9	497.3	549.3
137.5°	282.7	291.9	304.9	321.6	344.3	367.2	393.0	421.6	451.8	489.0	531.5
140°	290.6	300.4	313.3	328.8	350.8	374.4	398.8	424.9	452.5	485.1	521.7
142.5°	299.1	308.1	321.1	336.0	356.6	379.0	402.0	426.8	453.1	481.8	513.2
145°	312.5	320.7	332.1	346.7	365.4	386.6	406.9	428.9	452.5	477.0	502.1
147.5°	326.2	333.2	343.8	356.4	372.9	391.5	409.9	429.7	450.4	471.9	491.8
150°	335.3	341.0	351.6	363.0	376.8	394.8	411.8	429.7	448.4	468.0	485.9
152.5°	343.8	348.9	358.1	368.8	381.4	398.0	413.1	429.1	445.9	463.4	479.4
155°	354.8	359.7	367.9	376.0	387.4	401.2	414.3	427.3	441.2	455.8	469.6
157.5°	365.4	369.3	376.3	383.5	392.2	404.0	415.1	425.2	436.3	448.6	459.8
160°	371.9	375.2	380.9	387.4	394.8	405.3	415.1	423.2	433.0	442.8	453.3
162.5°	377.8	381.1	386.1	391.3	397.4	406.6	414.4	421.3	429.1	437.6	446.2
165°	385.8	388.2	392.3	395.6	400.5	406.9	413.4	418.3	423.2	429.7	436.3
167.5°	392.5	394.0	396.2	398.5	401.5	406.9	411.5	413.8	417.5	422.1	426.8
170°	396.4	397.2	398.8	400.5	402.8	406.9	410.2	411.8	414.3	417.5	421.6
172.5°	398.4	399.2	400.7	401.7	402.8	406.3	408.9	409.2	410.3	412.9	415.7
175°	401.2	402.0	402.8	402.8	402.8	405.3	406.9	406.1	406.1	406.9	409.4
177.5°	403.0	403.0	403.7	403.0	403.0	404.3	405.0	403.7	403.7	404.3	405.0
180°	403.7	403.7	403.7	403.7	403.7	403.7	403.7	403.7	403.7	403.7	403.7



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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°	8.6	9.0	8.8	8.6	8.6	9.0	9.2
90°	15.5	16.3	17.9	17.9	17.9	18.8	18.8
92.5°	104.7	78.8	66.8	56.3	54.4	53.2	51.9
95°	461.5	361.3	293.0	235.2	210.8	204.3	191.3
97.5°	784.7	687.2	592.2	541.9	496.3	472.7	462.3
100°	961.2	877.3	792.7	736.5	678.0	647.8	634.9
102.5°	1069.3	1029.1	971.8	911.7	870.1	837.3	827.5
105°	1130.5	1166.3	1157.3	1131.3	1104.5	1088.2	1078.4
107.5°	1076.0	1167.9	1210.4	1223.6	1223.4	1218.1	1211.5
110°	1014.1	1128.9	1198.1	1234.7	1250.1	1255.8	1255.8



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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
112.5°	952.9	1068.9	1150.6	1204.0	1230.6	1244.8	1250.6
115°	865.2	976.6	1065.4	1128.9	1167.9	1190.7	1201.3
117.5°	804.5	900.5	981.9	1045.4	1085.7	1108.3	1114.8
120°	770.0	859.5	931.1	991.3	1030.4	1052.4	1058.9
122.5°	745.2	824.9	892.0	945.7	981.5	1003.6	1009.4
125°	712.2	782.9	841.6	887.1	920.5	938.4	946.6
127.5°	680.6	746.7	801.5	842.9	872.3	889.2	892.8
130°	658.4	721.9	774.9	815.5	842.4	858.7	863.6
132.5°	637.6	695.2	746.2	786.8	813.8	828.7	834.2
135°	605.5	657.6	704.0	739.8	766.7	781.3	786.2
137.5°	576.9	620.2	659.6	691.6	716.1	729.6	734.9
140°	559.9	597.4	631.6	661.7	682.9	695.0	699.1
142.5°	545.6	577.9	607.5	633.1	650.9	662.5	665.9
145°	527.4	552.6	574.6	594.1	608.0	616.9	620.2
147.5°	512.3	531.7	548.2	563.7	574.8	580.0	581.5
150°	503.8	519.3	533.9	546.1	555.9	559.1	559.9
152.5°	495.3	509.5	520.9	531.2	539.0	542.2	543.0
155°	482.7	494.1	503.0	511.1	516.8	519.3	520.1
157.5°	470.6	479.4	486.4	492.8	497.4	499.7	499.5
160°	461.5	469.6	475.3	481.0	485.1	486.7	485.9
162.5°	453.6	460.5	465.5	469.9	473.4	473.7	473.5
165°	442.0	446.9	450.9	454.1	455.8	455.8	455.8
167.5°	430.6	434.3	437.2	438.9	440.3	439.7	439.5
170°	424.0	426.5	428.1	429.7	430.6	430.6	429.7
172.5°	418.2	420.0	420.9	421.3	422.7	421.4	420.6
175°	409.4	411.0	411.0	411.0	411.8	410.2	409.4
177.5°	405.6	405.6	405.6	405.0	405.6	403.7	403.7
180°	403.7	403.7	403.7	403.7	403.7	403.7	403.7

(END OF REPORT)