

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: P333540-935

Luminaire Tested: **S125RDIP-S610D1035U935-4F0-1E-UDD-A4**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P333540-935  
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-S610D1035U935-4F0-1E-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: 5263.6 lumens  
Efficiency: N/A  
Efficacy: 118.3 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

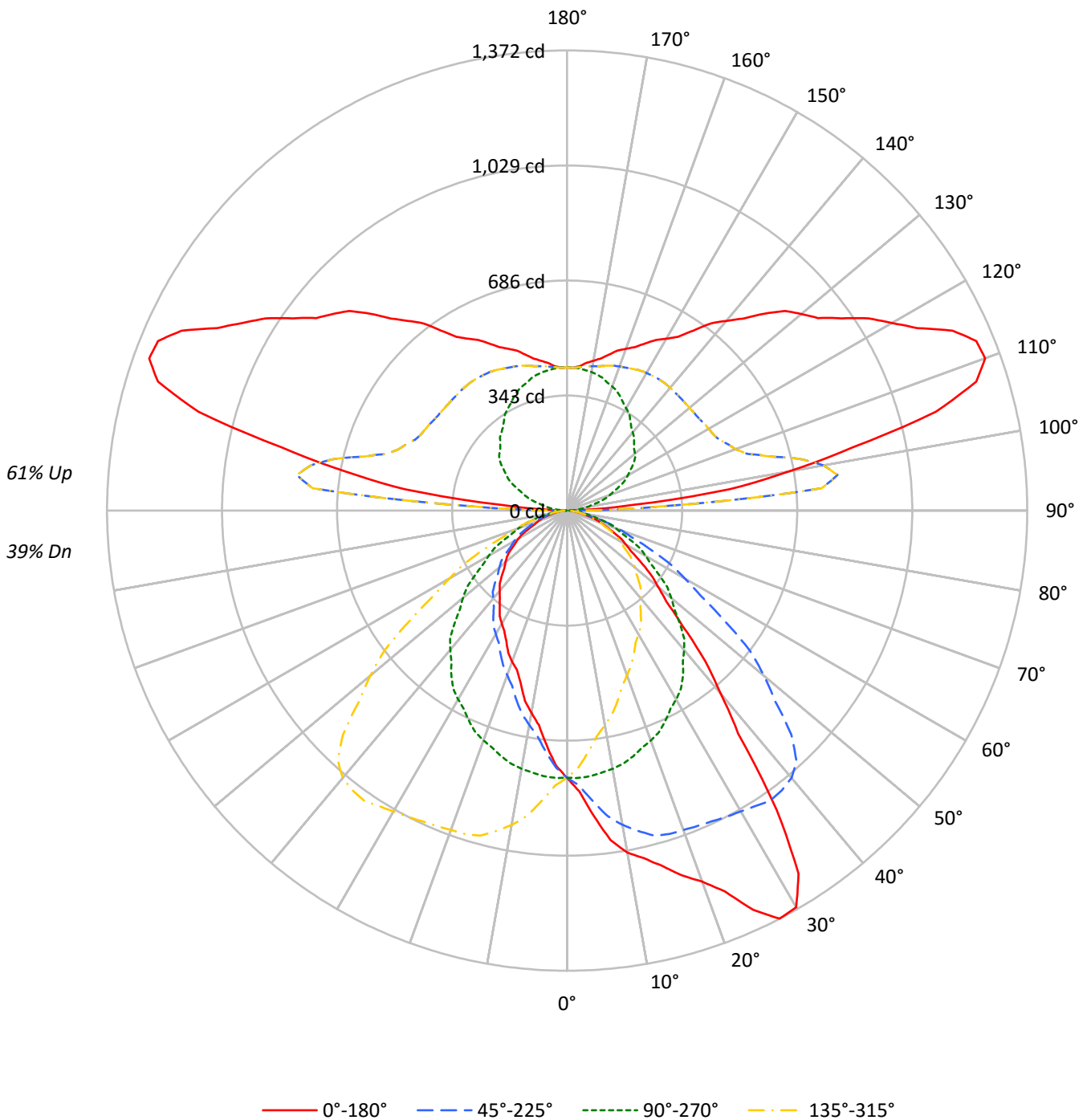
Input Watts (W): 44.5  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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°	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



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CATALOG NUMBER: S125RDIP-S610D1035U935-4F0-1E-UDD-A4

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	76.4	1.5
10°-20°	223.9	4.3
20°-30°	355.0	6.7
30°-40°	428.1	8.1
40°-50°	382.3	7.3
50°-60°	293.2	5.6
60°-70°	190.5	3.6
70°-80°	92.6	1.8
80°-90°	24.5	0.5
90°-100°	309.0	5.9
100°-110°	664.3	12.6
110°-120°	623.4	11.8
120°-130°	505.2	9.6
130°-140°	405.5	7.7
140°-150°	306.0	5.8
150°-160°	215.4	4.1
160°-170°	126.9	2.4
170°-180°	41.3	0.8
0°-30°	655.3	12.5
0°-40°	1083.4	20.6
0°-60°	1758.9	33.4
0°-90°	2066.6	39.3
90°-120°	1596.7	30.3
90°-150°	2813.4	53.4
90°-180°	3197.0	60.7
0°-180°	5263.6	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°	20	1	20	1	20	14
95°	202	28	202	28	202	286
105°	1139	97	1139	97	1139	1132
115°	1269	174	1269	174	1269	1240
125°	1000	241	1000	241	1000	904
135°	830	282	830	282	830	643
145°	655	328	655	328	655	416
155°	549	375	549	375	549	256
165°	481	409	481	409	481	138
175°	432	425	432	425	432	42
180°	426	426	426	426	426	



TEST NUMBER: P333540-935

CATALOG NUMBER: S125RDIP-S610D1035U935-4F0-1E-UDD-A4

**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°	9.7	9.5	9.0	9.0	9.3	9.5	9.0	8.6	8.4	8.3	8.2
90°	19.8	19.8	18.9	18.9	18.9	17.2	16.4	15.5	14.6	13.8	12.1
92.5°	54.8	56.2	57.4	59.5	70.5	83.2	110.6	152.3	224.3	277.1	281.5
95°	202.0	215.8	222.7	248.4	309.4	381.6	487.3	618.0	745.2	761.6	621.5
97.5°	488.2	499.2	524.1	572.3	625.3	725.7	828.7	920.4	942.9	813.3	554.9
100°	670.5	684.2	716.0	777.8	837.2	926.5	1015.1	1057.2	991.0	776.1	495.1
102.5°	873.9	884.2	918.9	962.9	1026.2	1086.8	1129.2	1103.3	962.2	710.8	449.7
105°	1138.8	1149.2	1166.4	1194.7	1222.2	1231.7	1193.9	1076.1	869.9	623.1	405.7
107.5°	1279.4	1286.3	1292.0	1292.2	1278.2	1233.4	1136.3	979.1	775.6	562.8	387.1
110°	1326.2	1326.2	1320.2	1303.9	1265.2	1192.1	1070.9	907.7	721.9	534.6	381.6



TEST NUMBER: P333540-935

CATALOG NUMBER: S125RDIP-S610D1035U935-4F0-1E-UDD-A4

**CANDELA DISTRIBUTION (continued):**

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	1320.7	1314.6	1299.6	1271.5	1215.0	1128.9	1006.3	851.3	682.1	518.1	381.6
115°	1268.7	1257.5	1233.4	1192.1	1125.1	1031.4	913.7	780.4	638.6	500.2	384.2
117.5°	1177.3	1170.4	1146.6	1104.0	1036.9	951.0	849.5	734.7	612.7	491.5	389.9
120°	1118.3	1111.4	1088.1	1046.9	983.3	907.7	813.1	710.0	598.2	487.3	395.4
122.5°	1066.0	1059.8	1036.6	998.8	942.0	871.2	787.0	691.4	585.8	483.9	400.2
125°	999.6	991.0	972.1	936.9	888.7	826.8	752.1	664.4	569.0	479.6	408.3
127.5°	942.9	939.1	921.2	890.1	846.4	788.5	718.8	636.9	553.5	477.5	417.4
130°	912.0	906.8	889.6	861.3	818.3	762.4	695.3	619.7	543.2	476.1	422.9
132.5°	881.0	875.1	859.4	831.0	788.0	734.2	673.3	602.5	534.9	476.1	429.0
135°	830.3	825.1	809.7	781.3	743.5	694.5	639.5	580.1	525.1	476.1	437.5
137.5°	776.1	770.5	756.2	730.4	696.5	655.0	609.2	561.3	516.4	477.2	445.2
140°	738.3	734.0	721.2	698.8	667.0	630.9	591.3	551.0	512.3	477.9	448.7
142.5°	703.3	699.6	687.4	668.6	641.5	610.3	576.2	542.0	508.9	478.5	450.7
145°	655.0	651.5	642.0	627.4	606.8	583.6	557.0	530.3	503.7	477.9	453.0
147.5°	614.1	612.5	607.0	595.3	578.9	561.5	541.0	519.4	498.3	475.6	453.8
150°	591.3	590.5	587.0	576.7	563.9	548.4	532.0	513.2	494.2	473.6	453.8
152.5°	573.4	572.6	569.2	560.9	550.1	538.0	523.1	506.3	489.4	470.9	453.1
155°	549.2	548.4	545.8	539.8	531.2	521.8	509.7	495.9	481.3	465.9	451.3
157.5°	527.5	527.7	525.3	520.4	513.7	506.3	497.0	485.6	473.7	460.7	449.0
160°	513.2	514.0	512.3	508.0	502.0	495.9	487.3	478.7	467.6	457.3	446.9
162.5°	500.1	500.2	499.9	496.3	491.6	486.3	479.1	471.2	462.1	453.1	444.9
165°	481.3	481.3	481.3	479.6	476.1	471.9	466.7	460.7	453.8	446.9	441.8
167.5°	464.2	464.3	465.0	463.5	461.8	458.7	454.7	450.7	445.7	440.9	437.0
170°	453.8	454.7	454.7	453.8	452.1	450.4	447.8	445.2	440.9	437.5	434.9
172.5°	444.2	445.1	446.4	444.9	444.5	443.5	441.6	439.0	436.1	433.3	432.1
175°	432.3	433.2	434.9	434.0	434.0	434.0	432.3	432.3	429.7	428.9	428.9
177.5°	426.3	426.3	428.3	427.7	428.3	428.3	428.3	427.7	427.0	426.3	426.3
180°	426.3	426.3	426.3	426.3	426.3	426.3	426.3	426.3	426.3	426.3	426.3



TEST NUMBER: P333540-935

CATALOG NUMBER: S125RDIP-S610D1035U935-4F0-1E-UDD-A4

**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°	8.3	7.9	8.0	7.7	7.1	8.0	8.4	8.5	8.2	8.0	7.8
90°	11.2	9.5	8.6	6.9	5.2	3.4	1.7	0.9	1.7	3.4	5.2
92.5°	196.1	117.4	70.5	45.4	30.6	20.0	12.7	10.5	12.7	20.0	30.6
95°	384.2	195.1	103.1	64.5	45.5	36.1	29.2	28.3	29.2	36.1	45.5
97.5°	306.7	168.2	107.3	79.4	62.4	53.0	48.1	47.1	48.1	53.0	62.4
100°	278.4	166.8	116.9	91.1	74.7	65.3	61.9	60.2	61.9	65.3	74.7
102.5°	266.8	173.0	128.5	103.5	88.5	78.4	75.6	74.6	75.6	78.4	88.5
105°	262.2	185.6	147.8	123.8	110.0	101.4	97.1	97.1	97.1	101.4	110.0
107.5°	270.1	204.6	168.0	146.3	132.0	124.9	120.9	119.2	120.9	124.9	132.0
110°	277.6	218.3	183.0	160.7	147.8	140.1	136.6	134.9	136.6	140.1	147.8





TEST NUMBER: P333540-935

CATALOG NUMBER: S125RDIP-S610D1035U935-4F0-1E-UDD-A4

**CANDELA DISTRIBUTION (continued):**

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	287.2	231.4	197.5	175.8	163.0	155.2	152.5	150.8	152.5	155.2	163.0
115°	301.7	251.8	220.1	198.5	185.6	177.9	175.3	173.7	175.3	177.9	185.6
117.5°	318.2	272.9	242.7	222.0	207.3	199.6	196.8	194.2	196.8	199.6	207.3
120°	329.2	287.9	257.9	236.3	221.8	214.0	210.6	208.0	210.6	214.0	221.8
122.5°	341.6	302.4	272.3	250.8	234.8	227.0	224.3	222.5	224.3	227.0	234.8
125°	358.4	321.5	293.1	270.8	254.4	246.7	242.4	240.6	242.4	246.7	254.4
127.5°	373.8	339.8	312.5	290.2	272.9	263.0	257.5	254.9	257.5	263.0	272.9
130°	384.2	351.5	324.9	302.6	284.5	273.4	266.5	263.9	266.5	273.4	284.5
132.5°	393.1	362.6	335.9	313.6	294.8	282.2	274.0	270.8	274.0	282.2	294.8
135°	405.7	377.3	350.7	327.4	309.4	295.7	285.3	281.9	285.3	295.7	309.4
137.5°	415.0	387.8	363.6	339.7	322.0	308.2	298.6	296.0	298.6	308.2	322.0
140°	421.2	395.4	370.5	347.2	330.9	317.2	306.9	304.3	306.9	317.2	330.9
142.5°	424.6	400.2	376.6	354.8	339.1	325.4	315.8	313.9	315.8	325.4	339.1
145°	429.7	408.3	385.9	366.2	350.7	338.6	330.0	328.3	330.0	338.6	350.7
147.5°	432.8	413.5	393.8	376.4	363.1	351.9	344.5	343.5	344.5	351.9	363.1
150°	434.9	416.9	398.0	383.3	371.3	360.2	354.1	352.4	354.1	360.2	371.3
152.5°	436.3	420.3	402.8	389.5	378.2	368.4	363.1	362.1	363.1	368.4	378.2
155°	437.5	423.7	409.1	397.1	388.5	379.9	374.7	374.7	374.7	379.9	388.5
157.5°	438.3	426.6	414.1	405.0	397.4	390.0	385.9	386.1	385.9	390.0	397.4
160°	438.3	428.0	416.9	409.1	402.3	396.2	392.8	393.6	392.8	396.2	402.3
162.5°	437.6	429.4	419.7	413.3	407.8	402.4	399.0	399.8	399.0	402.4	407.8
165°	436.6	429.7	422.9	417.8	414.3	410.0	407.4	409.1	407.4	410.0	414.3
167.5°	434.5	429.7	424.0	420.9	418.4	416.0	414.5	415.3	414.5	416.0	418.4
170°	433.2	429.7	425.4	422.9	421.2	419.5	418.6	419.5	418.6	419.5	421.2
172.5°	431.8	429.0	425.4	424.2	423.2	421.5	420.7	422.2	420.7	421.5	423.2
175°	429.7	428.0	425.4	425.4	425.4	424.6	423.7	425.4	423.7	424.6	425.4
177.5°	427.7	427.0	425.6	425.6	426.3	425.6	425.6	427.0	425.6	425.6	426.3
180°	426.3	426.3	426.3	426.3	426.3	426.3	426.3	426.3	426.3	426.3	426.3



TEST NUMBER: P333540-935

CATALOG NUMBER: S125RDIP-S610D1035U935-4F0-1E-UDD-A4

**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°	7.9	8.3	8.2	9.0	8.4	9.0	9.2	9.1	9.3	9.5	9.6
90°	6.9	8.6	9.5	11.2	12.1	13.8	14.6	15.5	16.4	17.2	18.9
92.5°	45.4	70.5	117.4	196.1	281.5	277.1	224.3	152.3	110.6	83.2	70.5
95°	64.5	103.1	195.1	384.2	621.5	761.6	745.2	618.0	487.3	381.6	309.4
97.5°	79.4	107.3	168.2	306.7	554.9	813.3	942.9	920.4	828.7	725.7	625.3
100°	91.1	116.9	166.8	278.4	495.1	776.1	991.0	1057.2	1015.1	926.5	837.2
102.5°	103.5	128.5	173.0	266.8	449.7	710.8	962.2	1103.3	1129.2	1086.8	1026.2
105°	123.8	147.8	185.6	262.2	405.7	623.1	869.9	1076.1	1193.9	1231.7	1222.2
107.5°	146.3	168.0	204.6	270.1	387.1	562.8	775.6	979.1	1136.3	1233.4	1278.2
110°	160.7	183.0	218.3	277.6	381.6	534.6	721.9	907.7	1070.9	1192.1	1265.2



TEST NUMBER: P333540-935

CATALOG NUMBER: S125RDIP-S610D1035U935-4F0-1E-UDD-A4

**CANDELA DISTRIBUTION (continued):**

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	175.8	197.5	231.4	287.2	381.6	518.1	682.1	851.3	1006.3	1128.9	1215.0
115°	198.5	220.1	251.8	301.7	384.2	500.2	638.6	780.4	913.7	1031.4	1125.1
117.5°	222.0	242.7	272.9	318.2	389.9	491.5	612.7	734.7	849.5	951.0	1036.9
120°	236.3	257.9	287.9	329.2	395.4	487.3	598.2	710.0	813.1	907.7	983.3
122.5°	250.8	272.3	302.4	341.6	400.2	483.9	585.8	691.4	787.0	871.2	942.0
125°	270.8	293.1	321.5	358.4	408.3	479.6	569.0	664.4	752.1	826.8	888.7
127.5°	290.2	312.5	339.8	373.8	417.4	477.5	553.5	636.9	718.8	788.5	846.4
130°	302.6	324.9	351.5	384.2	422.9	476.1	543.2	619.7	695.3	762.4	818.3
132.5°	313.6	335.9	362.6	393.1	429.0	476.1	534.9	602.5	673.3	734.2	788.0
135°	327.4	350.7	377.3	405.7	437.5	476.1	525.1	580.1	639.5	694.5	743.5
137.5°	339.7	363.6	387.8	415.0	445.2	477.2	516.4	561.3	609.2	655.0	696.5
140°	347.2	370.5	395.4	421.2	448.7	477.9	512.3	551.0	591.3	630.9	667.0
142.5°	354.8	376.6	400.2	424.6	450.7	478.5	508.9	542.0	576.2	610.3	641.5
145°	366.2	385.9	408.3	429.7	453.0	477.9	503.7	530.3	557.0	583.6	606.8
147.5°	376.4	393.8	413.5	432.8	453.8	475.6	498.3	519.4	541.0	561.5	578.9
150°	383.3	398.0	416.9	434.9	453.8	473.6	494.2	513.2	532.0	548.4	563.9
152.5°	389.5	402.8	420.3	436.3	453.1	470.9	489.4	506.3	523.1	538.0	550.1
155°	397.1	409.1	423.7	437.5	451.3	465.9	481.3	495.9	509.7	521.8	531.2
157.5°	405.0	414.1	426.6	438.3	449.0	460.7	473.7	485.6	497.0	506.3	513.7
160°	409.1	416.9	428.0	438.3	446.9	457.3	467.6	478.7	487.3	495.9	502.0
162.5°	413.3	419.7	429.4	437.6	444.9	453.1	462.1	471.2	479.1	486.3	491.6
165°	417.8	422.9	429.7	436.6	441.8	446.9	453.8	460.7	466.7	471.9	476.1
167.5°	420.9	424.0	429.7	434.5	437.0	440.9	445.7	450.7	454.7	458.7	461.8
170°	422.9	425.4	429.7	433.2	434.9	437.5	440.9	445.2	447.8	450.4	452.1
172.5°	424.2	425.4	429.0	431.8	432.1	433.3	436.1	439.0	441.6	443.5	444.5
175°	425.4	425.4	428.0	429.7	428.9	428.9	429.7	432.3	432.3	434.0	434.0
177.5°	425.6	425.6	427.0	427.7	426.3	426.3	427.0	427.7	428.3	428.3	428.3
180°	426.3	426.3	426.3	426.3	426.3	426.3	426.3	426.3	426.3	426.3	426.3



TEST NUMBER: P333540-935

CATALOG NUMBER: S125RDIP-S610D1035U935-4F0-1E-UDD-A4

**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°	9.8	9.6	9.7	9.7	9.7	9.6	9.8	9.6	9.5	9.3	9.1
90°	18.9	18.9	19.8	19.8	19.8	18.9	18.9	18.9	17.2	16.4	15.5
92.5°	59.5	57.4	56.2	54.8	56.2	57.4	59.5	70.5	83.2	110.6	152.3
95°	248.4	222.7	215.8	202.0	215.8	222.7	248.4	309.4	381.6	487.3	618.0
97.5°	572.3	524.1	499.2	488.2	499.2	524.1	572.3	625.3	725.7	828.7	920.4
100°	777.8	716.0	684.2	670.5	684.2	716.0	777.8	837.2	926.5	1015.1	1057.2
102.5°	962.9	918.9	884.2	873.9	884.2	918.9	962.9	1026.2	1086.8	1129.2	1103.3
105°	1194.7	1166.4	1149.2	1138.8	1149.2	1166.4	1194.7	1222.2	1231.7	1193.9	1076.1
107.5°	1292.2	1292.0	1286.3	1279.4	1286.3	1292.0	1292.2	1278.2	1233.4	1136.3	979.1
110°	1303.9	1320.2	1326.2	1326.2	1326.2	1320.2	1303.9	1265.2	1192.1	1070.9	907.7



TEST NUMBER: P333540-935

CATALOG NUMBER: S125RDIP-S610D1035U935-4F0-1E-UDD-A4

**CANDELA DISTRIBUTION (continued):**

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	1271.5	1299.6	1314.6	1320.7	1314.6	1299.6	1271.5	1215.0	1128.9	1006.3	851.3
115°	1192.1	1233.4	1257.5	1268.7	1257.5	1233.4	1192.1	1125.1	1031.4	913.7	780.4
117.5°	1104.0	1146.6	1170.4	1177.3	1170.4	1146.6	1104.0	1036.9	951.0	849.5	734.7
120°	1046.9	1088.1	1111.4	1118.3	1111.4	1088.1	1046.9	983.3	907.7	813.1	710.0
122.5°	998.8	1036.6	1059.8	1066.0	1059.8	1036.6	998.8	942.0	871.2	787.0	691.4
125°	936.9	972.1	991.0	999.6	991.0	972.1	936.9	888.7	826.8	752.1	664.4
127.5°	890.1	921.2	939.1	942.9	939.1	921.2	890.1	846.4	788.5	718.8	636.9
130°	861.3	889.6	906.8	912.0	906.8	889.6	861.3	818.3	762.4	695.3	619.7
132.5°	831.0	859.4	875.1	881.0	875.1	859.4	831.0	788.0	734.2	673.3	602.5
135°	781.3	809.7	825.1	830.3	825.1	809.7	781.3	743.5	694.5	639.5	580.1
137.5°	730.4	756.2	770.5	776.1	770.5	756.2	730.4	696.5	655.0	609.2	561.3
140°	698.8	721.2	734.0	738.3	734.0	721.2	698.8	667.0	630.9	591.3	551.0
142.5°	668.6	687.4	699.6	703.3	699.6	687.4	668.6	641.5	610.3	576.2	542.0
145°	627.4	642.0	651.5	655.0	651.5	642.0	627.4	606.8	583.6	557.0	530.3
147.5°	595.3	607.0	612.5	614.1	612.5	607.0	595.3	578.9	561.5	541.0	519.4
150°	576.7	587.0	590.5	591.3	590.5	587.0	576.7	563.9	548.4	532.0	513.2
152.5°	560.9	569.2	572.6	573.4	572.6	569.2	560.9	550.1	538.0	523.1	506.3
155°	539.8	545.8	548.4	549.2	548.4	545.8	539.8	531.2	521.8	509.7	495.9
157.5°	520.4	525.3	527.7	527.5	527.7	525.3	520.4	513.7	506.3	497.0	485.6
160°	508.0	512.3	514.0	513.2	514.0	512.3	508.0	502.0	495.9	487.3	478.7
162.5°	496.3	499.9	500.2	500.1	500.2	499.9	496.3	491.6	486.3	479.1	471.2
165°	479.6	481.3	481.3	481.3	481.3	481.3	479.6	476.1	471.9	466.7	460.7
167.5°	463.5	465.0	464.3	464.2	464.3	465.0	463.5	461.8	458.7	454.7	450.7
170°	453.8	454.7	454.7	453.8	454.7	454.7	453.8	452.1	450.4	447.8	445.2
172.5°	444.9	446.4	445.1	444.2	445.1	446.4	444.9	444.5	443.5	441.6	439.0
175°	434.0	434.9	433.2	432.3	433.2	434.9	434.0	434.0	434.0	432.3	432.3
177.5°	427.7	428.3	426.3	426.3	426.3	428.3	427.7	428.3	428.3	428.3	427.7
180°	426.3	426.3	426.3	426.3	426.3	426.3	426.3	426.3	426.3	426.3	426.3



TEST NUMBER: P333540-935

CATALOG NUMBER: S125RDIP-S610D1035U935-4F0-1E-UDD-A4

**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°	9.2	9.0	8.4	9.0	8.2	8.3	7.9	7.8	8.0	8.2	8.5
90°	14.6	13.8	12.1	11.2	9.5	8.6	6.9	5.2	3.4	1.7	0.9
92.5°	224.3	277.1	281.5	196.1	117.4	70.5	45.4	30.6	20.0	12.7	10.5
95°	745.2	761.6	621.5	384.2	195.1	103.1	64.5	45.5	36.1	29.2	28.3
97.5°	942.9	813.3	554.9	306.7	168.2	107.3	79.4	62.4	53.0	48.1	47.1
100°	991.0	776.1	495.1	278.4	166.8	116.9	91.1	74.7	65.3	61.9	60.2
102.5°	962.2	710.8	449.7	266.8	173.0	128.5	103.5	88.5	78.4	75.6	74.6
105°	869.9	623.1	405.7	262.2	185.6	147.8	123.8	110.0	101.4	97.1	97.1
107.5°	775.6	562.8	387.1	270.1	204.6	168.0	146.3	132.0	124.9	120.9	119.2
110°	721.9	534.6	381.6	277.6	218.3	183.0	160.7	147.8	140.1	136.6	134.9



TEST NUMBER: P333540-935

CATALOG NUMBER: S125RDIP-S610D1035U935-4F0-1E-UDD-A4

**CANDELA DISTRIBUTION (continued):**

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	682.1	518.1	381.6	287.2	231.4	197.5	175.8	163.0	155.2	152.5	150.8
115°	638.6	500.2	384.2	301.7	251.8	220.1	198.5	185.6	177.9	175.3	173.7
117.5°	612.7	491.5	389.9	318.2	272.9	242.7	222.0	207.3	199.6	196.8	194.2
120°	598.2	487.3	395.4	329.2	287.9	257.9	236.3	221.8	214.0	210.6	208.0
122.5°	585.8	483.9	400.2	341.6	302.4	272.3	250.8	234.8	227.0	224.3	222.5
125°	569.0	479.6	408.3	358.4	321.5	293.1	270.8	254.4	246.7	242.4	240.6
127.5°	553.5	477.5	417.4	373.8	339.8	312.5	290.2	272.9	263.0	257.5	254.9
130°	543.2	476.1	422.9	384.2	351.5	324.9	302.6	284.5	273.4	266.5	263.9
132.5°	534.9	476.1	429.0	393.1	362.6	335.9	313.6	294.8	282.2	274.0	270.8
135°	525.1	476.1	437.5	405.7	377.3	350.7	327.4	309.4	295.7	285.3	281.9
137.5°	516.4	477.2	445.2	415.0	387.8	363.6	339.7	322.0	308.2	298.6	296.0
140°	512.3	477.9	448.7	421.2	395.4	370.5	347.2	330.9	317.2	306.9	304.3
142.5°	508.9	478.5	450.7	424.6	400.2	376.6	354.8	339.1	325.4	315.8	313.9
145°	503.7	477.9	453.0	429.7	408.3	385.9	366.2	350.7	338.6	330.0	328.3
147.5°	498.3	475.6	453.8	432.8	413.5	393.8	376.4	363.1	351.9	344.5	343.5
150°	494.2	473.6	453.8	434.9	416.9	398.0	383.3	371.3	360.2	354.1	352.4
152.5°	489.4	470.9	453.1	436.3	420.3	402.8	389.5	378.2	368.4	363.1	362.1
155°	481.3	465.9	451.3	437.5	423.7	409.1	397.1	388.5	379.9	374.7	374.7
157.5°	473.7	460.7	449.0	438.3	426.6	414.1	405.0	397.4	390.0	385.9	386.1
160°	467.6	457.3	446.9	438.3	428.0	416.9	409.1	402.3	396.2	392.8	393.6
162.5°	462.1	453.1	444.9	437.6	429.4	419.7	413.3	407.8	402.4	399.0	399.8
165°	453.8	446.9	441.8	436.6	429.7	422.9	417.8	414.3	410.0	407.4	409.1
167.5°	445.7	440.9	437.0	434.5	429.7	424.0	420.9	418.4	416.0	414.5	415.3
170°	440.9	437.5	434.9	433.2	429.7	425.4	422.9	421.2	419.5	418.6	419.5
172.5°	436.1	433.3	432.1	431.8	429.0	425.4	424.2	423.2	421.5	420.7	422.2
175°	429.7	428.9	428.9	429.7	428.0	425.4	425.4	425.4	424.6	423.7	425.4
177.5°	427.0	426.3	426.3	427.7	427.0	425.6	425.6	426.3	425.6	425.6	427.0
180°	426.3	426.3	426.3	426.3	426.3	426.3	426.3	426.3	426.3	426.3	426.3



TEST NUMBER: P333540-935

CATALOG NUMBER: S125RDIP-S610D1035U935-4F0-1E-UDD-A4

**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	8.0	7.1	7.7	8.0	7.9	8.3	8.2	8.3	8.4	8.6
90°	1.7	3.4	5.2	6.9	8.6	9.5	11.2	12.1	13.8	14.6	15.5
92.5°	12.7	20.0	30.6	45.4	70.5	117.4	196.1	281.5	277.1	224.3	152.3
95°	29.2	36.1	45.5	64.5	103.1	195.1	384.2	621.5	761.6	745.2	618.0
97.5°	48.1	53.0	62.4	79.4	107.3	168.2	306.7	554.9	813.3	942.9	920.4
100°	61.9	65.3	74.7	91.1	116.9	166.8	278.4	495.1	776.1	991.0	1057.2
102.5°	75.6	78.4	88.5	103.5	128.5	173.0	266.8	449.7	710.8	962.2	1103.3
105°	97.1	101.4	110.0	123.8	147.8	185.6	262.2	405.7	623.1	869.9	1076.1
107.5°	120.9	124.9	132.0	146.3	168.0	204.6	270.1	387.1	562.8	775.6	979.1
110°	136.6	140.1	147.8	160.7	183.0	218.3	277.6	381.6	534.6	721.9	907.7





TEST NUMBER: P333540-935

CATALOG NUMBER: S125RDIP-S610D1035U935-4F0-1E-UDD-A4

**CANDELA DISTRIBUTION (continued):**

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	152.5	155.2	163.0	175.8	197.5	231.4	287.2	381.6	518.1	682.1	851.3
115°	175.3	177.9	185.6	198.5	220.1	251.8	301.7	384.2	500.2	638.6	780.4
117.5°	196.8	199.6	207.3	222.0	242.7	272.9	318.2	389.9	491.5	612.7	734.7
120°	210.6	214.0	221.8	236.3	257.9	287.9	329.2	395.4	487.3	598.2	710.0
122.5°	224.3	227.0	234.8	250.8	272.3	302.4	341.6	400.2	483.9	585.8	691.4
125°	242.4	246.7	254.4	270.8	293.1	321.5	358.4	408.3	479.6	569.0	664.4
127.5°	257.5	263.0	272.9	290.2	312.5	339.8	373.8	417.4	477.5	553.5	636.9
130°	266.5	273.4	284.5	302.6	324.9	351.5	384.2	422.9	476.1	543.2	619.7
132.5°	274.0	282.2	294.8	313.6	335.9	362.6	393.1	429.0	476.1	534.9	602.5
135°	285.3	295.7	309.4	327.4	350.7	377.3	405.7	437.5	476.1	525.1	580.1
137.5°	298.6	308.2	322.0	339.7	363.6	387.8	415.0	445.2	477.2	516.4	561.3
140°	306.9	317.2	330.9	347.2	370.5	395.4	421.2	448.7	477.9	512.3	551.0
142.5°	315.8	325.4	339.1	354.8	376.6	400.2	424.6	450.7	478.5	508.9	542.0
145°	330.0	338.6	350.7	366.2	385.9	408.3	429.7	453.0	477.9	503.7	530.3
147.5°	344.5	351.9	363.1	376.4	393.8	413.5	432.8	453.8	475.6	498.3	519.4
150°	354.1	360.2	371.3	383.3	398.0	416.9	434.9	453.8	473.6	494.2	513.2
152.5°	363.1	368.4	378.2	389.5	402.8	420.3	436.3	453.1	470.9	489.4	506.3
155°	374.7	379.9	388.5	397.1	409.1	423.7	437.5	451.3	465.9	481.3	495.9
157.5°	385.9	390.0	397.4	405.0	414.1	426.6	438.3	449.0	460.7	473.7	485.6
160°	392.8	396.2	402.3	409.1	416.9	428.0	438.3	446.9	457.3	467.6	478.7
162.5°	399.0	402.4	407.8	413.3	419.7	429.4	437.6	444.9	453.1	462.1	471.2
165°	407.4	410.0	414.3	417.8	422.9	429.7	436.6	441.8	446.9	453.8	460.7
167.5°	414.5	416.0	418.4	420.9	424.0	429.7	434.5	437.0	440.9	445.7	450.7
170°	418.6	419.5	421.2	422.9	425.4	429.7	433.2	434.9	437.5	440.9	445.2
172.5°	420.7	421.5	423.2	424.2	425.4	429.0	431.8	432.1	433.3	436.1	439.0
175°	423.7	424.6	425.4	425.4	425.4	428.0	429.7	428.9	428.9	429.7	432.3
177.5°	425.6	425.6	426.3	425.6	425.6	427.0	427.7	426.3	426.3	427.0	427.7
180°	426.3	426.3	426.3	426.3	426.3	426.3	426.3	426.3	426.3	426.3	426.3



TEST NUMBER: P333540-935

CATALOG NUMBER: S125RDIP-S610D1035U935-4F0-1E-UDD-A4

**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°	9.0	9.5	9.3	9.0	9.0	9.5	9.7
90°	16.4	17.2	18.9	18.9	18.9	19.8	19.8
92.5°	110.6	83.2	70.5	59.5	57.4	56.2	54.8
95°	487.3	381.6	309.4	248.4	222.7	215.8	202.0
97.5°	828.7	725.7	625.3	572.3	524.1	499.2	488.2
100°	1015.1	926.5	837.2	777.8	716.0	684.2	670.5
102.5°	1129.2	1086.8	1026.2	962.9	918.9	884.2	873.9
105°	1193.9	1231.7	1222.2	1194.7	1166.4	1149.2	1138.8
107.5°	1136.3	1233.4	1278.2	1292.2	1292.0	1286.3	1279.4
110°	1070.9	1192.1	1265.2	1303.9	1320.2	1326.2	1326.2



TEST NUMBER: P333540-935

CATALOG NUMBER: S125RDIP-S610D1035U935-4F0-1E-UDD-A4

**CANDELA DISTRIBUTION (continued):**

	330°	335°	340°	345°	350°	355°	360°
112.5°	1006.3	1128.9	1215.0	1271.5	1299.6	1314.6	1320.7
115°	913.7	1031.4	1125.1	1192.1	1233.4	1257.5	1268.7
117.5°	849.5	951.0	1036.9	1104.0	1146.6	1170.4	1177.3
120°	813.1	907.7	983.3	1046.9	1088.1	1111.4	1118.3
122.5°	787.0	871.2	942.0	998.8	1036.6	1059.8	1066.0
125°	752.1	826.8	888.7	936.9	972.1	991.0	999.6
127.5°	718.8	788.5	846.4	890.1	921.2	939.1	942.9
130°	695.3	762.4	818.3	861.3	889.6	906.8	912.0
132.5°	673.3	734.2	788.0	831.0	859.4	875.1	881.0
135°	639.5	694.5	743.5	781.3	809.7	825.1	830.3
137.5°	609.2	655.0	696.5	730.4	756.2	770.5	776.1
140°	591.3	630.9	667.0	698.8	721.2	734.0	738.3
142.5°	576.2	610.3	641.5	668.6	687.4	699.6	703.3
145°	557.0	583.6	606.8	627.4	642.0	651.5	655.0
147.5°	541.0	561.5	578.9	595.3	607.0	612.5	614.1
150°	532.0	548.4	563.9	576.7	587.0	590.5	591.3
152.5°	523.1	538.0	550.1	560.9	569.2	572.6	573.4
155°	509.7	521.8	531.2	539.8	545.8	548.4	549.2
157.5°	497.0	506.3	513.7	520.4	525.3	527.7	527.5
160°	487.3	495.9	502.0	508.0	512.3	514.0	513.2
162.5°	479.1	486.3	491.6	496.3	499.9	500.2	500.1
165°	466.7	471.9	476.1	479.6	481.3	481.3	481.3
167.5°	454.7	458.7	461.8	463.5	465.0	464.3	464.2
170°	447.8	450.4	452.1	453.8	454.7	454.7	453.8
172.5°	441.6	443.5	444.5	444.9	446.4	445.1	444.2
175°	432.3	434.0	434.0	434.0	434.9	433.2	432.3
177.5°	428.3	428.3	428.3	427.7	428.3	426.3	426.3
180°	426.3	426.3	426.3	426.3	426.3	426.3	426.3

(END OF REPORT)