

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: P333533-930

Luminaire Tested: **S125RDIP-S610D810U930-4F0-1E-UDD-A1**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P333533-930  
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1807-864-11,  
Test Lab: INNOVATION CENTER  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: NEO-RAY  
Catalog Number: S125RDIP-S610D810U930-4F0-1E-UDD-A1  
Description: DEFINE 5 DIRECT-INDIRECT PENDANT LED LUMINAIRE  
DOWNLIGHT 610 LUMENS PER FOOT, ASYMMETRIC DIFFUSER, REGRESSED HOUSING  
UPLIGHT 810 LUMENS PER FOOT, FLUSH SATIN WHITE DIFFUSER  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 4242.4 lumens  
Efficiency: N/A  
Efficacy: 110.5 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

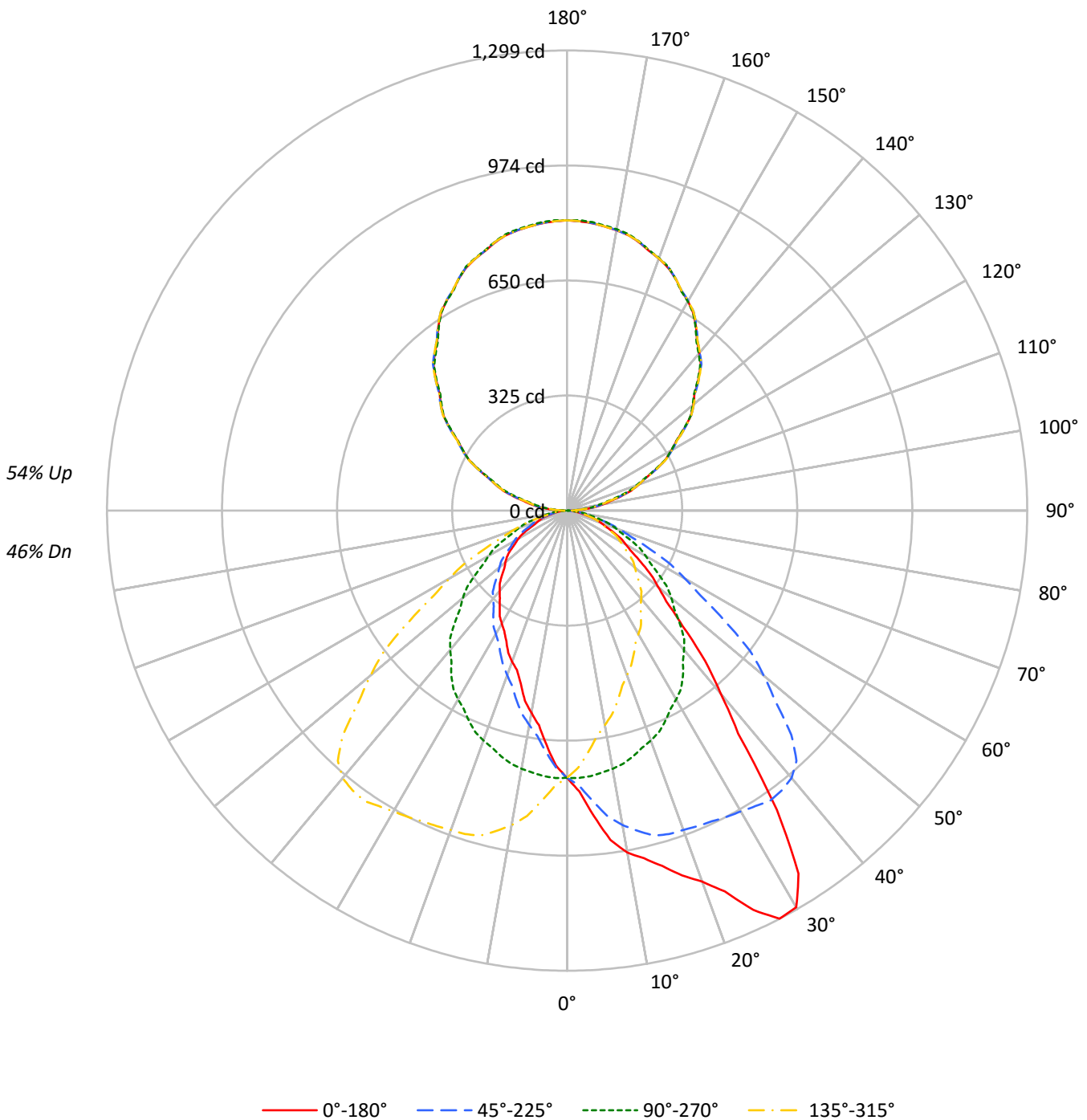
Input Watts (W): 38.4  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	106	106	106	106	97	97	97	97	81	81	81	66	66	66	53	53	53	46
1	97	93	89	86	89	86	83	80	72	69	67	59	57	56	47	46	45	40
2	89	82	76	71	81	75	70	66	63	60	56	52	50	47	42	40	39	34
3	81	72	65	59	74	67	60	55	56	52	48	46	43	40	37	35	33	29
4	74	64	56	50	68	59	52	47	50	45	41	41	38	35	34	31	29	25
5	68	57	49	43	63	53	46	41	45	40	35	37	33	30	30	28	25	22
6	63	51	43	38	58	48	41	35	40	35	31	34	30	27	28	25	22	19
7	58	46	39	33	53	43	36	31	37	31	27	31	27	24	25	22	20	17
8	54	42	34	29	50	39	32	28	33	28	24	28	24	21	23	20	18	15
9	50	38	31	26	46	36	29	25	31	25	22	26	22	19	21	18	16	14
10	47	35	28	23	43	33	26	22	28	23	20	24	20	17	20	17	15	13

**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	1.7
10°-20°	212.0	5.0
20°-30°	336.2	7.9
30°-40°	405.4	9.6
40°-50°	362.0	8.5
50°-60°	277.6	6.5
60°-70°	180.4	4.3
70°-80°	87.7	2.1
80°-90°	22.7	0.5
90°-100°	54.9	1.3
100°-110°	162.0	3.8
110°-120°	274.4	6.5
120°-130°	361.2	8.5
130°-140°	404.7	9.5
140°-150°	396.7	9.3
150°-160°	333.1	7.9
160°-170°	221.5	5.2
170°-180°	77.5	1.8
0°-30°	620.5	14.6
0°-40°	1025.9	24.2
0°-60°	1665.6	39.3
0°-90°	1956.4	46.1
90°-120°	491.4	11.6
90°-150°	1653.9	39.0
90°-180°	2286.0	53.9
0°-180°	4242.4	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°	15	1	15	1	15	9
95°	55	41	55	41	55	56
105°	158	145	158	145	158	168
115°	277	275	277	275	277	274
125°	404	401	404	401	404	360
135°	523	522	523	522	523	404
145°	634	632	634	632	634	396
155°	723	723	723	723	723	333
165°	784	786	784	786	784	221
175°	814	817	814	817	814	77
180°	819	819	819	819	819	



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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°	8.5	8.2	7.8	7.7	7.9	8.3	7.9	7.5	7.4	7.3	7.3
90°	15.3	14.8	14.4	14.0	13.6	13.0	12.3	11.6	10.9	10.2	9.2
92.5°	30.1	29.8	29.4	29.2	28.9	28.2	27.3	26.3	25.4	24.5	23.2
95°	54.8	54.5	54.3	54.0	53.7	53.1	52.1	51.0	50.1	49.1	47.7
97.5°	83.2	83.0	82.8	82.6	82.4	81.9	81.0	80.1	79.1	78.2	76.2
100°	104.5	104.3	104.0	103.7	103.5	102.6	101.3	100.1	98.8	97.5	95.7
102.5°	126.0	125.6	125.1	124.8	124.4	123.5	122.1	120.7	119.4	118.0	117.0
105°	158.1	157.7	157.3	156.9	156.4	155.8	154.9	154.1	153.2	152.4	151.5
107.5°	191.0	191.0	191.0	191.1	191.1	190.9	190.5	190.0	189.6	189.2	188.6
110°	215.5	215.6	215.7	215.9	216.1	215.9	215.5	215.1	214.7	214.2	213.8



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**CANDELA DISTRIBUTION (continued):**

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	239.5	239.7	239.9	240.2	240.5	240.5	240.3	240.1	239.9	239.7	239.2
115°	277.4	277.4	277.6	277.8	277.9	278.0	278.2	278.3	278.4	278.6	278.3
117.5°	314.3	314.9	315.4	316.0	316.6	316.8	316.7	316.6	316.4	316.3	316.1
120°	339.8	340.4	341.0	341.5	342.1	342.3	342.3	342.3	342.3	342.3	342.2
122.5°	365.3	365.7	366.2	366.6	367.1	367.4	367.5	367.6	367.7	367.9	367.5
125°	403.6	403.7	403.8	404.0	404.1	404.3	404.6	404.9	405.2	405.4	405.3
127.5°	440.3	440.6	440.8	441.2	441.4	441.6	441.7	441.9	442.1	442.2	442.1
130°	464.7	465.0	465.3	465.6	465.9	466.1	466.3	466.4	466.5	466.7	466.4
132.5°	487.7	488.1	488.5	488.9	489.3	489.6	489.7	489.8	490.0	490.2	490.2
135°	523.4	524.0	524.6	525.1	525.7	525.9	525.9	525.9	525.9	525.9	525.8
137.5°	558.3	559.1	559.8	560.4	561.2	561.4	561.3	561.1	560.9	560.8	560.4
140°	580.8	581.5	582.2	582.9	583.6	583.8	583.5	583.3	583.0	582.7	582.3
142.5°	602.2	602.9	603.6	604.3	605.0	605.3	605.1	605.0	604.8	604.6	604.1
145°	634.3	634.8	635.2	635.6	636.0	636.3	636.3	636.3	636.3	636.3	635.9
147.5°	661.8	662.8	663.7	664.6	665.6	665.9	665.6	665.2	664.9	664.6	664.2
150°	682.2	682.4	682.7	683.0	683.3	683.5	683.5	683.5	683.5	683.5	682.9
152.5°	699.0	699.5	700.0	700.5	701.0	701.1	700.7	700.4	700.1	699.8	699.5
155°	722.9	723.7	724.4	725.0	725.8	725.9	725.3	724.7	724.1	723.6	723.4
157.5°	743.0	743.9	744.9	745.8	746.7	746.9	746.3	745.8	745.2	744.6	744.4
160°	756.8	757.4	758.1	758.9	759.6	759.6	759.0	758.6	758.0	757.4	757.2
162.5°	768.5	769.3	770.1	770.9	771.8	771.8	771.2	770.5	769.8	769.2	769.1
165°	784.2	785.0	785.9	786.7	787.6	787.7	787.2	786.6	786.0	785.5	785.3
167.5°	796.6	797.5	798.4	799.3	800.1	800.2	799.3	798.5	797.6	796.8	796.8
170°	803.3	804.3	805.3	806.2	807.2	807.3	806.5	805.6	804.8	803.9	803.9
172.5°	808.9	809.8	810.7	811.5	812.4	812.4	811.5	810.7	809.8	809.0	809.0
175°	814.2	815.1	816.1	817.1	818.1	818.2	817.3	816.4	815.6	814.7	814.7
177.5°	817.2	818.0	818.8	819.5	820.4	820.4	819.7	819.0	818.4	817.7	817.8
180°	819.2	819.2	819.2	819.2	819.2	819.2	819.2	819.2	819.2	819.2	819.2



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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°	7.3	7.2	7.2	7.0	6.5	7.5	8.1	8.1	7.8	7.5	7.3
90°	8.2	7.3	6.2	5.1	4.1	2.9	1.8	0.7	1.8	2.9	4.1
92.5°	22.0	20.8	19.6	18.6	17.8	17.0	16.2	15.4	16.2	17.0	17.8
95°	46.2	44.8	43.5	42.6	42.3	42.0	41.7	41.4	41.7	42.0	42.3
97.5°	74.3	72.3	70.4	69.3	69.2	69.1	69.0	68.9	69.0	69.1	69.2
100°	93.8	92.0	90.2	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3
102.5°	116.1	115.1	114.2	113.5	112.9	112.3	111.8	111.2	111.8	112.3	112.9
105°	150.7	149.9	149.0	148.2	147.5	146.8	146.1	145.4	146.1	146.8	147.5
107.5°	187.9	187.3	186.6	186.0	185.2	184.5	183.8	183.1	183.8	184.5	185.2
110°	213.4	213.0	212.5	212.0	211.2	210.5	209.9	209.1	209.9	210.5	211.2





TEST NUMBER: P333533-930

CATALOG NUMBER: S125RDIP-S610D810U930-4F0-1E-UDD-A1

**CANDELA DISTRIBUTION (continued):**

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	238.6	238.1	237.6	237.1	236.8	236.4	236.0	235.6	236.0	236.4	236.8
115°	278.0	277.8	277.4	277.0	276.5	275.9	275.3	274.8	275.3	275.9	276.5
117.5°	315.8	315.6	315.4	315.0	314.8	314.5	314.3	314.1	314.3	314.5	314.8
120°	342.1	341.9	341.8	341.4	340.6	340.0	339.2	338.5	339.2	340.0	340.6
122.5°	367.1	366.7	366.4	366.1	365.8	365.6	365.3	365.0	365.3	365.6	365.8
125°	405.2	405.0	404.9	404.4	403.6	402.7	401.9	401.0	401.9	402.7	403.6
127.5°	441.8	441.6	441.5	441.2	440.7	440.2	439.8	439.3	439.8	440.2	440.7
130°	466.1	465.8	465.5	465.0	464.3	463.7	462.9	462.2	462.9	463.7	464.3
132.5°	490.2	490.3	490.3	489.8	488.6	487.5	486.3	485.2	486.3	487.5	488.6
135°	525.7	525.5	525.4	524.9	524.1	523.2	522.4	521.5	522.4	523.2	524.1
137.5°	560.1	559.9	559.5	559.0	558.2	557.3	556.5	555.7	556.5	557.3	558.2
140°	581.9	581.4	581.0	580.4	579.8	579.0	578.3	577.6	578.3	579.0	579.8
142.5°	603.6	603.0	602.5	601.9	601.3	600.7	600.1	599.6	600.1	600.7	601.3
145°	635.4	635.0	634.5	634.1	633.5	632.9	632.3	631.8	632.3	632.9	633.5
147.5°	663.9	663.6	663.2	662.8	662.6	662.3	661.9	661.6	661.9	662.3	662.6
150°	682.3	681.8	681.2	680.9	681.1	681.3	681.3	681.5	681.3	681.3	681.1
152.5°	699.3	699.0	698.9	698.6	698.5	698.2	698.1	697.8	698.1	698.2	698.5
155°	723.3	723.2	723.0	722.9	722.9	722.9	722.9	722.9	722.9	722.9	722.9
157.5°	744.4	744.2	744.0	744.1	744.4	744.8	745.1	745.4	745.1	744.8	744.4
160°	757.1	756.9	756.8	756.9	757.4	757.8	758.2	758.6	758.2	757.8	757.4
162.5°	769.1	769.0	769.0	769.2	769.5	769.7	770.1	770.4	770.1	769.7	769.5
165°	785.1	785.0	784.9	785.0	785.2	785.5	785.8	786.1	785.8	785.5	785.2
167.5°	796.8	796.8	796.8	797.0	797.6	798.2	798.7	799.3	798.7	798.2	797.6
170°	803.9	803.9	803.9	804.2	804.8	805.4	805.9	806.5	805.9	805.4	804.8
172.5°	809.0	809.0	809.0	809.3	809.8	810.4	811.0	811.5	811.0	810.4	809.8
175°	814.7	814.7	814.7	815.1	815.6	816.2	816.8	817.3	816.8	816.2	815.6
177.5°	817.9	818.1	818.2	818.4	818.9	819.4	819.8	820.3	819.8	819.4	818.9
180°	819.2	819.2	819.2	819.2	819.2	819.2	819.2	819.2	819.2	819.2	819.2



TEST NUMBER: P333533-930

CATALOG NUMBER: S125RDIP-S610D810U930-4F0-1E-UDD-A1

**CANDELA DISTRIBUTION (continued):**

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	754.5	754.5	754.5	754.5	754.5	754.5	754.5	754.5	754.5	754.5	754.5
2.5°	741.8	738.3	735.9	730.9	727.4	725.9	723.3	722.5	725.2	723.3	723.0
5°	719.7	710.8	703.7	696.5	688.8	683.9	676.4	675.1	673.3	670.5	669.9
7.5°	693.3	681.6	672.5	660.6	650.4	642.2	632.9	628.5	626.1	622.5	617.7
10°	675.5	661.5	649.1	637.4	624.7	614.5	605.2	598.0	593.4	589.1	587.2
12.5°	657.9	643.7	627.9	613.6	599.4	587.9	577.6	573.0	567.9	562.8	558.5
15°	630.6	611.6	594.4	577.9	565.8	553.4	543.6	536.7	529.0	526.8	518.4
17.5°	601.6	583.0	562.7	545.4	531.5	517.8	507.0	499.2	493.3	485.3	481.5
20°	583.5	561.5	541.7	525.9	510.4	494.3	483.1	476.6	471.1	464.6	461.5
22.5°	564.2	542.7	522.4	503.9	488.1	472.2	464.3	457.5	451.3	445.2	441.2
25°	535.8	514.1	492.8	473.5	457.1	445.6	436.3	428.6	425.3	419.3	415.0
27.5°	507.8	484.7	462.5	443.4	430.5	419.1	411.6	405.4	399.3	394.1	390.4
30°	489.7	466.1	442.0	426.8	413.1	402.4	394.0	388.1	383.4	378.8	376.0
32.5°	471.6	447.3	425.8	409.4	396.6	387.2	378.6	372.9	368.0	362.9	359.6
35°	442.5	417.8	400.5	384.3	371.6	363.0	357.1	349.0	345.0	341.3	337.9
37.5°	415.6	392.6	373.8	359.7	348.7	340.1	332.5	328.1	323.2	319.8	317.0
40°	395.8	374.7	357.8	342.8	334.8	325.2	318.0	312.5	308.8	304.4	301.3
42.5°	378.0	358.4	341.9	328.5	318.5	310.3	303.5	297.9	293.2	290.1	287.5
45°	352.8	333.2	317.2	304.8	295.5	287.7	280.6	277.8	271.6	267.9	266.7
47.5°	326.7	309.2	293.7	282.3	272.7	265.4	258.7	253.1	249.6	246.0	244.0
50°	309.1	292.4	277.8	266.7	257.4	249.3	243.1	239.4	234.7	231.4	228.9
52.5°	291.5	276.0	261.5	250.8	242.7	234.7	227.8	224.0	219.6	217.4	215.7
55°	266.4	250.0	237.6	227.0	218.7	211.2	204.7	201.0	198.2	196.1	195.4
57.5°	237.8	224.9	213.4	203.8	195.2	188.2	182.5	179.0	176.5	176.2	174.3
60°	219.2	207.5	197.0	186.8	179.3	172.8	167.9	163.9	161.3	161.0	160.5
62.5°	200.7	189.4	179.6	170.6	164.0	157.7	153.0	148.5	147.0	145.4	144.1
65°	173.1	162.9	154.8	147.7	140.6	135.3	130.7	127.9	124.5	122.6	119.3
67.5°	146.0	138.1	130.4	124.4	118.8	113.8	110.0	105.8	103.5	102.0	99.5
70°	128.2	122.1	114.3	107.8	103.5	99.4	96.3	91.6	90.1	88.9	87.6
72.5°	111.4	105.9	99.4	94.2	89.8	86.0	82.4	80.3	78.8	77.5	76.7
75°	87.6	82.3	76.8	73.1	70.0	66.9	65.1	63.5	62.9	62.5	61.3
77.5°	64.3	61.6	57.1	54.1	52.1	50.9	49.2	48.3	48.3	47.0	46.6
80°	49.2	47.7	43.9	42.7	41.2	39.9	39.1	37.5	36.0	35.3	34.4
82.5°	36.6	35.1	33.6	31.6	30.3	29.5	28.6	28.0	28.2	27.4	26.9
85°	19.5	17.9	17.4	17.0	16.4	17.0	16.7	16.4	16.1	15.8	16.1
87.5°	7.3	7.4	7.4	8.1	7.5	8.0	8.2	8.0	8.2	8.3	8.2
90°	5.1	6.2	7.3	8.2	9.2	10.2	10.9	11.6	12.3	13.0	13.6
92.5°	18.6	19.6	20.8	22.0	23.2	24.5	25.4	26.3	27.3	28.2	28.9
95°	42.6	43.5	44.8	46.2	47.7	49.1	50.1	51.0	52.1	53.1	53.7
97.5°	69.3	70.4	72.3	74.3	76.2	78.2	79.1	80.1	81.0	81.9	82.4
100°	89.3	90.2	92.0	93.8	95.7	97.5	98.8	100.1	101.3	102.6	103.5
102.5°	113.5	114.2	115.1	116.1	117.0	118.0	119.4	120.7	122.1	123.5	124.4
105°	148.2	149.0	149.9	150.7	151.5	152.4	153.2	154.1	154.9	155.8	156.4
107.5°	186.0	186.6	187.3	187.9	188.6	189.2	189.6	190.0	190.5	190.9	191.1
110°	212.0	212.5	213.0	213.4	213.8	214.2	214.7	215.1	215.5	215.9	216.1



TEST NUMBER: P333533-930

CATALOG NUMBER: S125RDIP-S610D810U930-4F0-1E-UDD-A1

**CANDELA DISTRIBUTION (continued):**

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	237.1	237.6	238.1	238.6	239.2	239.7	239.9	240.1	240.3	240.5	240.5
115°	277.0	277.4	277.8	278.0	278.3	278.6	278.4	278.3	278.2	278.0	277.9
117.5°	315.0	315.4	315.6	315.8	316.1	316.3	316.4	316.6	316.7	316.8	316.6
120°	341.4	341.8	341.9	342.1	342.2	342.3	342.3	342.3	342.3	342.3	342.1
122.5°	366.1	366.4	366.7	367.1	367.5	367.9	367.7	367.6	367.5	367.4	367.1
125°	404.4	404.9	405.0	405.2	405.3	405.4	405.2	404.9	404.6	404.3	404.1
127.5°	441.2	441.5	441.6	441.8	442.1	442.2	442.1	441.9	441.7	441.6	441.4
130°	465.0	465.5	465.8	466.1	466.4	466.7	466.5	466.4	466.3	466.1	465.9
132.5°	489.8	490.3	490.3	490.2	490.2	490.2	490.0	489.8	489.7	489.6	489.3
135°	524.9	525.4	525.5	525.7	525.8	525.9	525.9	525.9	525.9	525.9	525.7
137.5°	559.0	559.5	559.9	560.1	560.4	560.8	560.9	561.1	561.3	561.4	561.2
140°	580.4	581.0	581.4	581.9	582.3	582.7	583.0	583.3	583.5	583.8	583.6
142.5°	601.9	602.5	603.0	603.6	604.1	604.6	604.8	605.0	605.1	605.3	605.0
145°	634.1	634.5	635.0	635.4	635.9	636.3	636.3	636.3	636.3	636.3	636.0
147.5°	662.8	663.2	663.6	663.9	664.2	664.6	664.9	665.2	665.6	665.9	665.6
150°	680.9	681.2	681.8	682.3	682.9	683.5	683.5	683.5	683.5	683.5	683.3
152.5°	698.6	698.9	699.0	699.3	699.5	699.8	700.1	700.4	700.7	701.1	701.0
155°	722.9	723.0	723.2	723.3	723.4	723.6	724.1	724.7	725.3	725.9	725.8
157.5°	744.1	744.0	744.2	744.4	744.4	744.6	745.2	745.8	746.3	746.9	746.7
160°	756.9	756.8	756.9	757.1	757.2	757.4	758.0	758.6	759.0	759.6	759.6
162.5°	769.2	769.0	769.0	769.1	769.1	769.2	769.8	770.5	771.2	771.8	771.8
165°	785.0	784.9	785.0	785.1	785.3	785.5	786.0	786.6	787.2	787.7	787.6
167.5°	797.0	796.8	796.8	796.8	796.8	796.8	797.6	798.5	799.3	800.2	800.1
170°	804.2	803.9	803.9	803.9	803.9	803.9	804.8	805.6	806.5	807.3	807.2
172.5°	809.3	809.0	809.0	809.0	809.0	809.0	809.8	810.7	811.5	812.4	812.4
175°	815.1	814.7	814.7	814.7	814.7	814.7	815.6	816.4	817.3	818.2	818.1
177.5°	818.4	818.2	818.1	817.9	817.8	817.7	818.4	819.0	819.7	820.4	820.4
180°	819.2	819.2	819.2	819.2	819.2	819.2	819.2	819.2	819.2	819.2	819.2



TEST NUMBER: P333533-930

CATALOG NUMBER: S125RDIP-S610D810U930-4F0-1E-UDD-A1

**CANDELA DISTRIBUTION (continued):**

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	754.5	754.5	754.5	754.5	754.5	754.5	754.5	754.5	754.5	754.5	754.5
2.5°	722.8	720.0	719.3	720.2	719.3	720.0	722.8	723.0	723.3	725.2	722.5
5°	666.8	663.7	665.3	664.6	665.3	663.7	666.8	669.9	670.5	673.3	675.1
7.5°	617.6	613.8	609.7	611.0	609.7	613.8	617.6	617.7	622.5	626.1	628.5
10°	583.2	580.1	578.2	579.8	578.2	580.1	583.2	587.2	589.1	593.4	598.0
12.5°	554.2	552.4	550.7	550.1	550.7	552.4	554.2	558.5	562.8	567.9	573.0
15°	514.7	511.0	509.5	505.5	509.5	511.0	514.7	518.4	526.8	529.0	536.7
17.5°	478.3	477.1	473.1	471.4	473.1	477.1	478.3	481.5	485.3	493.3	499.2
20°	456.8	455.6	451.6	454.0	451.6	455.6	456.8	461.5	464.6	471.1	476.6
22.5°	439.0	436.3	435.0	434.2	435.0	436.3	439.0	441.2	445.2	451.3	457.5
25°	413.8	409.8	408.2	406.3	408.2	409.8	413.8	415.0	419.3	425.3	428.6
27.5°	388.7	386.5	384.4	383.9	384.4	386.5	388.7	390.4	394.1	399.3	405.4
30°	372.3	370.1	368.5	368.5	368.5	370.1	372.3	376.0	378.8	383.4	388.1
32.5°	357.7	356.0	354.4	354.2	354.4	356.0	357.7	359.6	362.9	368.0	372.9
35°	336.3	333.9	333.2	331.4	333.2	333.9	336.3	337.9	341.3	345.0	349.0
37.5°	314.2	312.2	312.1	311.9	312.1	312.2	314.2	317.0	319.8	323.2	328.1
40°	300.1	298.6	298.2	296.1	298.2	298.6	300.1	301.3	304.4	308.8	312.5
42.5°	285.0	284.2	283.2	282.2	283.2	284.2	285.0	287.5	290.1	293.2	297.9
45°	264.5	262.4	262.4	260.8	262.4	262.4	264.5	266.7	267.9	271.6	277.8
47.5°	243.3	241.7	241.8	240.2	241.8	241.7	243.3	244.0	246.0	249.6	253.1
50°	229.2	228.3	228.0	227.3	228.0	228.3	229.2	228.9	231.4	234.7	239.4
52.5°	215.1	214.7	215.8	214.4	215.8	214.7	215.1	215.7	217.4	219.6	224.0
55°	196.1	195.1	197.0	195.1	197.0	195.1	196.1	195.4	196.1	198.2	201.0
57.5°	174.1	173.3	175.0	174.1	175.0	173.3	174.1	174.3	176.2	176.5	179.0
60°	159.8	157.9	158.9	159.2	158.9	157.9	159.8	160.5	161.0	161.3	163.9
62.5°	142.7	141.6	142.3	140.9	142.3	141.6	142.7	144.1	145.4	147.0	148.5
65°	118.6	117.7	116.4	115.9	116.4	117.7	118.6	119.3	122.6	124.5	127.9
67.5°	99.6	97.4	97.3	97.8	97.3	97.4	99.6	99.5	102.0	103.5	105.8
70°	85.8	85.8	85.4	85.4	85.4	85.8	85.8	87.6	88.9	90.1	91.6
72.5°	76.1	75.9	75.3	75.1	75.3	75.9	76.1	76.7	77.5	78.8	80.3
75°	61.3	61.6	61.0	60.7	61.0	61.6	61.3	61.3	62.5	62.9	63.5
77.5°	45.2	43.9	44.7	43.9	44.7	43.9	45.2	46.6	47.0	48.3	48.3
80°	34.4	34.1	35.0	34.1	35.0	34.1	34.4	34.4	35.3	36.0	37.5
82.5°	27.2	26.9	27.3	26.7	27.3	26.9	27.2	26.9	27.4	28.2	28.0
85°	16.4	16.1	15.8	16.1	15.8	16.1	16.4	16.1	15.8	16.1	16.4
87.5°	8.5	8.3	8.4	8.5	8.4	8.3	8.5	8.2	8.3	8.2	8.0
90°	14.0	14.4	14.8	15.3	14.8	14.4	14.0	13.6	13.0	12.3	11.6
92.5°	29.2	29.4	29.8	30.1	29.8	29.4	29.2	28.9	28.2	27.3	26.3
95°	54.0	54.3	54.5	54.8	54.5	54.3	54.0	53.7	53.1	52.1	51.0
97.5°	82.6	82.8	83.0	83.2	83.0	82.8	82.6	82.4	81.9	81.0	80.1
100°	103.7	104.0	104.3	104.5	104.3	104.0	103.7	103.5	102.6	101.3	100.1
102.5°	124.8	125.1	125.6	126.0	125.6	125.1	124.8	124.4	123.5	122.1	120.7
105°	156.9	157.3	157.7	158.1	157.7	157.3	156.9	156.4	155.8	154.9	154.1
107.5°	191.1	191.0	191.0	191.0	191.0	191.0	191.1	191.1	190.9	190.5	190.0
110°	215.9	215.7	215.6	215.5	215.6	215.7	215.9	216.1	215.9	215.5	215.1



TEST NUMBER: P333533-930

CATALOG NUMBER: S125RDIP-S610D810U930-4F0-1E-UDD-A1

**CANDELA DISTRIBUTION (continued):**

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	240.2	239.9	239.7	239.5	239.7	239.9	240.2	240.5	240.5	240.3	240.1
115°	277.8	277.6	277.4	277.4	277.4	277.6	277.8	277.9	278.0	278.2	278.3
117.5°	316.0	315.4	314.9	314.3	314.9	315.4	316.0	316.6	316.8	316.7	316.6
120°	341.5	341.0	340.4	339.8	340.4	341.0	341.5	342.1	342.3	342.3	342.3
122.5°	366.6	366.2	365.7	365.3	365.7	366.2	366.6	367.1	367.4	367.5	367.6
125°	404.0	403.8	403.7	403.6	403.7	403.8	404.0	404.1	404.3	404.6	404.9
127.5°	441.2	440.8	440.6	440.3	440.6	440.8	441.2	441.4	441.6	441.7	441.9
130°	465.6	465.3	465.0	464.7	465.0	465.3	465.6	465.9	466.1	466.3	466.4
132.5°	488.9	488.5	488.1	487.7	488.1	488.5	488.9	489.3	489.6	489.7	489.8
135°	525.1	524.6	524.0	523.4	524.0	524.6	525.1	525.7	525.9	525.9	525.9
137.5°	560.4	559.8	559.1	558.3	559.1	559.8	560.4	561.2	561.4	561.3	561.1
140°	582.9	582.2	581.5	580.8	581.5	582.2	582.9	583.6	583.8	583.5	583.3
142.5°	604.3	603.6	602.9	602.2	602.9	603.6	604.3	605.0	605.3	605.1	605.0
145°	635.6	635.2	634.8	634.3	634.8	635.2	635.6	636.0	636.3	636.3	636.3
147.5°	664.6	663.7	662.8	661.8	662.8	663.7	664.6	665.6	665.9	665.6	665.2
150°	683.0	682.7	682.4	682.2	682.4	682.7	683.0	683.3	683.5	683.5	683.5
152.5°	700.5	700.0	699.5	699.0	699.5	700.0	700.5	701.0	701.1	700.7	700.4
155°	725.0	724.4	723.7	722.9	723.7	724.4	725.0	725.8	725.9	725.3	724.7
157.5°	745.8	744.9	743.9	743.0	743.9	744.9	745.8	746.7	746.9	746.3	745.8
160°	758.9	758.1	757.4	756.8	757.4	758.1	758.9	759.6	759.6	759.0	758.6
162.5°	770.9	770.1	769.3	768.5	769.3	770.1	770.9	771.8	771.8	771.2	770.5
165°	786.7	785.9	785.0	784.2	785.0	785.9	786.7	787.6	787.7	787.2	786.6
167.5°	799.3	798.4	797.5	796.6	797.5	798.4	799.3	800.1	800.2	799.3	798.5
170°	806.2	805.3	804.3	803.3	804.3	805.3	806.2	807.2	807.3	806.5	805.6
172.5°	811.5	810.7	809.8	808.9	809.8	810.7	811.5	812.4	812.4	811.5	810.7
175°	817.1	816.1	815.1	814.2	815.1	816.1	817.1	818.1	818.2	817.3	816.4
177.5°	819.5	818.8	818.0	817.2	818.0	818.8	819.5	820.4	820.4	819.7	819.0
180°	819.2	819.2	819.2	819.2	819.2	819.2	819.2	819.2	819.2	819.2	819.2



TEST NUMBER: P333533-930

CATALOG NUMBER: S125RDIP-S610D810U930-4F0-1E-UDD-A1

**CANDELA DISTRIBUTION (continued):**

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	754.5	754.5	754.5	754.5	754.5	754.5	754.5	754.5	754.5	754.5	754.5
2.5°	723.3	725.9	727.4	730.9	735.9	738.3	741.8	744.3	747.8	752.0	755.5
5°	676.4	683.9	688.8	696.5	703.7	710.8	719.7	726.3	734.9	744.9	752.6
7.5°	632.9	642.2	650.4	660.6	672.5	681.6	693.3	705.2	718.8	732.9	746.2
10°	605.2	614.5	624.7	637.4	649.1	661.5	675.5	689.4	706.5	722.3	740.2
12.5°	577.6	587.9	599.4	613.6	627.9	643.7	657.9	673.5	691.9	712.3	731.6
15°	543.6	553.4	565.8	577.9	594.4	611.6	630.6	651.3	671.7	694.7	718.5
17.5°	507.0	517.8	531.5	545.4	562.7	583.0	601.6	624.3	647.3	674.0	702.1
20°	483.1	494.3	510.4	525.9	541.7	561.5	583.5	606.7	631.2	659.3	690.6
22.5°	464.3	472.2	488.1	503.9	522.4	542.7	564.2	588.4	615.1	644.2	677.0
25°	436.3	445.6	457.1	473.5	492.8	514.1	535.8	561.5	590.6	620.4	655.3
27.5°	411.6	419.1	430.5	443.4	462.5	484.7	507.8	534.6	564.4	594.7	631.5
30°	394.0	402.4	413.1	426.8	442.0	466.1	489.7	516.0	546.3	577.6	615.4
32.5°	378.6	387.2	396.6	409.4	425.8	447.3	471.6	497.4	528.2	560.5	597.3
35°	357.1	363.0	371.6	384.3	400.5	417.8	442.5	469.9	499.9	533.3	570.1
37.5°	332.5	340.1	348.7	359.7	373.8	392.6	415.6	443.2	471.1	503.1	536.7
40°	318.0	325.2	334.8	342.8	357.8	374.7	395.8	424.6	452.5	482.5	513.1
42.5°	303.5	310.3	318.5	328.5	341.9	358.4	378.0	404.8	434.6	462.9	488.7
45°	280.6	287.7	295.5	304.8	317.2	333.2	352.8	377.2	403.2	429.3	448.7
47.5°	258.7	265.4	272.7	282.3	293.7	309.2	326.7	348.3	373.6	395.7	409.6
50°	243.1	249.3	257.4	266.7	277.8	292.4	309.1	330.4	351.6	371.6	384.3
52.5°	227.8	234.7	242.7	250.8	261.5	276.0	291.5	309.9	330.0	346.3	356.9
55°	204.7	211.2	218.7	227.0	237.6	250.0	266.4	280.9	296.7	310.6	316.8
57.5°	182.5	188.2	195.2	203.8	213.4	224.9	237.8	251.8	263.0	272.9	279.9
60°	167.9	172.8	179.3	186.8	197.0	207.5	219.2	232.3	240.9	249.3	255.8
62.5°	153.0	157.7	164.0	170.6	179.6	189.4	200.7	211.2	219.6	225.3	232.8
65°	130.7	135.3	140.6	147.7	154.8	162.9	173.1	180.8	186.8	193.0	197.6
67.5°	110.0	113.8	118.8	124.4	130.4	138.1	146.0	152.5	156.5	160.2	165.8
70°	96.3	99.4	103.5	107.8	114.3	122.1	128.2	133.1	136.0	139.7	146.5
72.5°	82.4	86.0	89.8	94.2	99.4	105.9	111.4	116.3	118.1	121.1	125.4
75°	65.1	66.9	70.0	73.1	76.8	82.3	87.6	88.9	90.4	92.9	96.0
77.5°	49.2	50.9	52.1	54.1	57.1	61.6	64.3	66.2	66.6	67.5	70.5
80°	39.1	39.9	41.2	42.7	43.9	47.7	49.2	51.1	51.7	52.7	54.2
82.5°	28.6	29.5	30.3	31.6	33.6	35.1	36.6	38.5	38.6	39.3	39.5
85°	16.7	17.0	16.4	17.0	17.4	17.9	19.5	21.0	20.8	20.5	21.4
87.5°	8.2	8.0	7.5	8.1	7.4	7.4	7.3	7.3	7.5	7.8	8.1
90°	10.9	10.2	9.2	8.2	7.3	6.2	5.1	4.1	2.9	1.8	0.7
92.5°	25.4	24.5	23.2	22.0	20.8	19.6	18.6	17.8	17.0	16.2	15.4
95°	50.1	49.1	47.7	46.2	44.8	43.5	42.6	42.3	42.0	41.7	41.4
97.5°	79.1	78.2	76.2	74.3	72.3	70.4	69.3	69.2	69.1	69.0	68.9
100°	98.8	97.5	95.7	93.8	92.0	90.2	89.3	89.3	89.3	89.3	89.3
102.5°	119.4	118.0	117.0	116.1	115.1	114.2	113.5	112.9	112.3	111.8	111.2
105°	153.2	152.4	151.5	150.7	149.9	149.0	148.2	147.5	146.8	146.1	145.4
107.5°	189.6	189.2	188.6	187.9	187.3	186.6	186.0	185.2	184.5	183.8	183.1
110°	214.7	214.2	213.8	213.4	213.0	212.5	212.0	211.2	210.5	209.9	209.1



TEST NUMBER: P333533-930

CATALOG NUMBER: S125RDIP-S610D810U930-4F0-1E-UDD-A1

**CANDELA DISTRIBUTION (continued):**

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	239.9	239.7	239.2	238.6	238.1	237.6	237.1	236.8	236.4	236.0	235.6
115°	278.4	278.6	278.3	278.0	277.8	277.4	277.0	276.5	275.9	275.3	274.8
117.5°	316.4	316.3	316.1	315.8	315.6	315.4	315.0	314.8	314.5	314.3	314.1
120°	342.3	342.3	342.2	342.1	341.9	341.8	341.4	340.6	340.0	339.2	338.5
122.5°	367.7	367.9	367.5	367.1	366.7	366.4	366.1	365.8	365.6	365.3	365.0
125°	405.2	405.4	405.3	405.2	405.0	404.9	404.4	403.6	402.7	401.9	401.0
127.5°	442.1	442.2	442.1	441.8	441.6	441.5	441.2	440.7	440.2	439.8	439.3
130°	466.5	466.7	466.4	466.1	465.8	465.5	465.0	464.3	463.7	462.9	462.2
132.5°	490.0	490.2	490.2	490.2	490.3	490.3	489.8	488.6	487.5	486.3	485.2
135°	525.9	525.9	525.8	525.7	525.5	525.4	524.9	524.1	523.2	522.4	521.5
137.5°	560.9	560.8	560.4	560.1	559.9	559.5	559.0	558.2	557.3	556.5	555.7
140°	583.0	582.7	582.3	581.9	581.4	581.0	580.4	579.8	579.0	578.3	577.6
142.5°	604.8	604.6	604.1	603.6	603.0	602.5	601.9	601.3	600.7	600.1	599.6
145°	636.3	636.3	635.9	635.4	635.0	634.5	634.1	633.5	632.9	632.3	631.8
147.5°	664.9	664.6	664.2	663.9	663.6	663.2	662.8	662.6	662.3	661.9	661.6
150°	683.5	683.5	682.9	682.3	681.8	681.2	680.9	681.1	681.3	681.3	681.5
152.5°	700.1	699.8	699.5	699.3	699.0	698.9	698.6	698.5	698.2	698.1	697.8
155°	724.1	723.6	723.4	723.3	723.2	723.0	722.9	722.9	722.9	722.9	722.9
157.5°	745.2	744.6	744.4	744.4	744.2	744.0	744.1	744.4	744.8	745.1	745.4
160°	758.0	757.4	757.2	757.1	756.9	756.8	756.9	757.4	757.8	758.2	758.6
162.5°	769.8	769.2	769.1	769.1	769.0	769.0	769.2	769.5	769.7	770.1	770.4
165°	786.0	785.5	785.3	785.1	785.0	784.9	785.0	785.2	785.5	785.8	786.1
167.5°	797.6	796.8	796.8	796.8	796.8	796.8	797.0	797.6	798.2	798.7	799.3
170°	804.8	803.9	803.9	803.9	803.9	803.9	804.2	804.8	805.4	805.9	806.5
172.5°	809.8	809.0	809.0	809.0	809.0	809.0	809.3	809.8	810.4	811.0	811.5
175°	815.6	814.7	814.7	814.7	814.7	814.7	815.1	815.6	816.2	816.8	817.3
177.5°	818.4	817.7	817.8	817.9	818.1	818.2	818.4	818.9	819.4	819.8	820.3
180°	819.2	819.2	819.2	819.2	819.2	819.2	819.2	819.2	819.2	819.2	819.2



TEST NUMBER: P333533-930

CATALOG NUMBER: S125RDIP-S610D810U930-4F0-1E-UDD-A1

**CANDELA DISTRIBUTION (continued):**

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	754.5	754.5	754.5	754.5	754.5	754.5	754.5	754.5	754.5	754.5	754.5
2.5°	758.1	760.4	763.6	767.4	770.3	773.6	775.3	775.3	776.7	780.0	784.2
5°	760.3	768.4	776.2	786.0	793.8	802.7	809.6	816.1	822.0	829.4	837.1
7.5°	759.7	773.1	787.0	802.7	819.9	833.6	847.6	858.7	869.5	883.8	895.0
10°	757.2	774.6	793.4	813.3	834.9	853.9	870.9	886.4	901.2	916.7	930.7
12.5°	752.8	774.9	797.9	821.7	849.1	870.7	892.7	909.2	926.5	943.5	960.7
15°	746.1	772.1	800.0	833.2	866.6	890.7	912.4	933.8	949.9	969.1	985.5
17.5°	732.3	765.8	800.9	837.1	869.2	897.3	920.0	940.4	957.5	978.6	1000.9
20°	724.1	760.3	796.9	835.6	866.3	895.0	917.0	938.1	959.4	987.1	1014.3
22.5°	712.7	751.4	790.2	827.0	859.3	887.1	909.9	935.6	963.7	995.0	1027.9
25°	694.7	734.7	773.1	808.0	839.6	868.1	899.1	933.8	967.8	1009.0	1056.4
27.5°	671.8	710.4	744.6	781.5	813.0	849.2	887.9	925.4	974.6	1031.3	1090.5
30°	654.7	691.3	723.8	758.8	794.4	834.4	877.8	922.0	980.6	1047.1	1117.4
32.5°	634.9	668.0	700.3	734.0	775.1	819.0	865.1	919.2	989.2	1064.9	1137.8
35°	600.5	630.2	661.5	699.0	742.7	790.4	849.2	915.2	999.7	1081.2	1146.6
37.5°	564.5	587.9	619.4	658.8	706.5	761.7	828.4	908.6	995.4	1068.5	1096.3
40°	536.7	558.7	591.8	633.3	680.4	740.9	815.8	898.1	985.5	1036.2	1034.1
42.5°	509.2	531.5	563.4	605.1	654.2	721.8	798.9	884.5	958.2	977.5	937.3
45°	467.0	487.8	519.1	561.2	613.8	684.8	765.9	848.0	895.0	863.8	783.9
47.5°	424.0	444.2	473.2	514.5	571.9	646.2	722.9	790.3	796.9	729.7	633.8
50°	395.8	414.7	442.3	486.2	542.0	614.5	688.5	741.4	725.0	642.9	544.1
52.5°	368.3	386.5	412.3	453.8	510.8	581.8	647.8	689.4	651.4	564.2	475.3
55°	327.7	345.0	371.0	409.1	460.8	525.9	583.8	599.0	543.2	455.3	383.4
57.5°	289.1	301.7	327.5	361.2	411.1	468.4	509.9	507.2	445.6	366.5	315.0
60°	263.6	275.0	299.5	330.4	377.8	429.3	458.4	446.0	383.8	318.4	268.8
62.5°	239.8	250.5	271.0	299.5	340.2	384.9	406.1	389.0	330.2	272.8	233.4
65°	203.8	211.6	228.0	254.3	286.2	317.2	336.1	311.0	258.9	215.6	185.8
67.5°	170.2	176.8	191.4	210.3	232.4	253.7	261.4	237.8	197.4	168.2	147.2
70°	148.4	154.6	164.4	182.1	196.7	211.8	215.6	194.5	160.8	138.4	125.4
72.5°	127.5	133.2	141.9	154.3	164.4	173.2	175.0	155.3	129.6	114.1	104.1
75°	97.3	102.2	107.8	112.4	119.0	120.5	119.8	104.7	90.7	80.6	74.9
77.5°	71.5	73.5	77.0	78.8	79.1	79.0	75.8	66.2	59.0	54.8	52.5
80°	55.1	56.7	57.6	58.2	58.5	55.4	52.0	46.1	43.7	41.2	38.4
82.5°	40.0	41.1	42.0	42.2	40.4	37.8	34.7	31.8	30.0	28.8	27.7
85°	21.7	22.0	21.7	20.1	17.9	17.0	16.4	15.8	15.5	15.2	15.2
87.5°	8.1	7.5	6.5	7.0	7.2	7.2	7.3	7.3	7.3	7.4	7.5
90°	1.8	2.9	4.1	5.1	6.2	7.3	8.2	9.2	10.2	10.9	11.6
92.5°	16.2	17.0	17.8	18.6	19.6	20.8	22.0	23.2	24.5	25.4	26.3
95°	41.7	42.0	42.3	42.6	43.5	44.8	46.2	47.7	49.1	50.1	51.0
97.5°	69.0	69.1	69.2	69.3	70.4	72.3	74.3	76.2	78.2	79.1	80.1
100°	89.3	89.3	89.3	89.3	90.2	92.0	93.8	95.7	97.5	98.8	100.1
102.5°	111.8	112.3	112.9	113.5	114.2	115.1	116.1	117.0	118.0	119.4	120.7
105°	146.1	146.8	147.5	148.2	149.0	149.9	150.7	151.5	152.4	153.2	154.1
107.5°	183.8	184.5	185.2	186.0	186.6	187.3	187.9	188.6	189.2	189.6	190.0
110°	209.9	210.5	211.2	212.0	212.5	213.0	213.4	213.8	214.2	214.7	215.1





TEST NUMBER: P333533-930

CATALOG NUMBER: S125RDIP-S610D810U930-4F0-1E-UDD-A1

**CANDELA DISTRIBUTION (continued):**

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	236.0	236.4	236.8	237.1	237.6	238.1	238.6	239.2	239.7	239.9	240.1
115°	275.3	275.9	276.5	277.0	277.4	277.8	278.0	278.3	278.6	278.4	278.3
117.5°	314.3	314.5	314.8	315.0	315.4	315.6	315.8	316.1	316.3	316.4	316.6
120°	339.2	340.0	340.6	341.4	341.8	341.9	342.1	342.2	342.3	342.3	342.3
122.5°	365.3	365.6	365.8	366.1	366.4	366.7	367.1	367.5	367.9	367.7	367.6
125°	401.9	402.7	403.6	404.4	404.9	405.0	405.2	405.3	405.4	405.2	404.9
127.5°	439.8	440.2	440.7	441.2	441.5	441.6	441.8	442.1	442.2	442.1	441.9
130°	462.9	463.7	464.3	465.0	465.5	465.8	466.1	466.4	466.7	466.5	466.4
132.5°	486.3	487.5	488.6	489.8	490.3	490.3	490.2	490.2	490.2	490.0	489.8
135°	522.4	523.2	524.1	524.9	525.4	525.5	525.7	525.8	525.9	525.9	525.9
137.5°	556.5	557.3	558.2	559.0	559.5	559.9	560.1	560.4	560.8	560.9	561.1
140°	578.3	579.0	579.8	580.4	581.0	581.4	581.9	582.3	582.7	583.0	583.3
142.5°	600.1	600.7	601.3	601.9	602.5	603.0	603.6	604.1	604.6	604.8	605.0
145°	632.3	632.9	633.5	634.1	634.5	635.0	635.4	635.9	636.3	636.3	636.3
147.5°	661.9	662.3	662.6	662.8	663.2	663.6	663.9	664.2	664.6	664.9	665.2
150°	681.3	681.3	681.1	680.9	681.2	681.8	682.3	682.9	683.5	683.5	683.5
152.5°	698.1	698.2	698.5	698.6	698.9	699.0	699.3	699.5	699.8	700.1	700.4
155°	722.9	722.9	722.9	722.9	723.0	723.2	723.3	723.4	723.6	724.1	724.7
157.5°	745.1	744.8	744.4	744.1	744.0	744.2	744.4	744.4	744.6	745.2	745.8
160°	758.2	757.8	757.4	756.9	756.8	756.9	757.1	757.2	757.4	758.0	758.6
162.5°	770.1	769.7	769.5	769.2	769.0	769.0	769.1	769.1	769.2	769.8	770.5
165°	785.8	785.5	785.2	785.0	784.9	785.0	785.1	785.3	785.5	786.0	786.6
167.5°	798.7	798.2	797.6	797.0	796.8	796.8	796.8	796.8	796.8	797.6	798.5
170°	805.9	805.4	804.8	804.2	803.9	803.9	803.9	803.9	803.9	804.8	805.6
172.5°	811.0	810.4	809.8	809.3	809.0	809.0	809.0	809.0	809.0	809.8	810.7
175°	816.8	816.2	815.6	815.1	814.7	814.7	814.7	814.7	814.7	815.6	816.4
177.5°	819.8	819.4	818.9	818.4	818.2	818.1	817.9	817.8	817.7	818.4	819.0
180°	819.2	819.2	819.2	819.2	819.2	819.2	819.2	819.2	819.2	819.2	819.2



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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°	7.9	8.3	7.9	7.7	7.8	8.2	8.5
90°	12.3	13.0	13.6	14.0	14.4	14.8	15.3
92.5°	27.3	28.2	28.9	29.2	29.4	29.8	30.1
95°	52.1	53.1	53.7	54.0	54.3	54.5	54.8
97.5°	81.0	81.9	82.4	82.6	82.8	83.0	83.2
100°	101.3	102.6	103.5	103.7	104.0	104.3	104.5
102.5°	122.1	123.5	124.4	124.8	125.1	125.6	126.0
105°	154.9	155.8	156.4	156.9	157.3	157.7	158.1
107.5°	190.5	190.9	191.1	191.1	191.0	191.0	191.0
110°	215.5	215.9	216.1	215.9	215.7	215.6	215.5



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**CANDELA DISTRIBUTION (continued):**

	330°	335°	340°	345°	350°	355°	360°
112.5°	240.3	240.5	240.5	240.2	239.9	239.7	239.5
115°	278.2	278.0	277.9	277.8	277.6	277.4	277.4
117.5°	316.7	316.8	316.6	316.0	315.4	314.9	314.3
120°	342.3	342.3	342.1	341.5	341.0	340.4	339.8
122.5°	367.5	367.4	367.1	366.6	366.2	365.7	365.3
125°	404.6	404.3	404.1	404.0	403.8	403.7	403.6
127.5°	441.7	441.6	441.4	441.2	440.8	440.6	440.3
130°	466.3	466.1	465.9	465.6	465.3	465.0	464.7
132.5°	489.7	489.6	489.3	488.9	488.5	488.1	487.7
135°	525.9	525.9	525.7	525.1	524.6	524.0	523.4
137.5°	561.3	561.4	561.2	560.4	559.8	559.1	558.3
140°	583.5	583.8	583.6	582.9	582.2	581.5	580.8
142.5°	605.1	605.3	605.0	604.3	603.6	602.9	602.2
145°	636.3	636.3	636.0	635.6	635.2	634.8	634.3
147.5°	665.6	665.9	665.6	664.6	663.7	662.8	661.8
150°	683.5	683.5	683.3	683.0	682.7	682.4	682.2
152.5°	700.7	701.1	701.0	700.5	700.0	699.5	699.0
155°	725.3	725.9	725.8	725.0	724.4	723.7	722.9
157.5°	746.3	746.9	746.7	745.8	744.9	743.9	743.0
160°	759.0	759.6	759.6	758.9	758.1	757.4	756.8
162.5°	771.2	771.8	771.8	770.9	770.1	769.3	768.5
165°	787.2	787.7	787.6	786.7	785.9	785.0	784.2
167.5°	799.3	800.2	800.1	799.3	798.4	797.5	796.6
170°	806.5	807.3	807.2	806.2	805.3	804.3	803.3
172.5°	811.5	812.4	812.4	811.5	810.7	809.8	808.9
175°	817.3	818.2	818.1	817.1	816.1	815.1	814.2
177.5°	819.7	820.4	820.4	819.5	818.8	818.0	817.2
180°	819.2	819.2	819.2	819.2	819.2	819.2	819.2

(END OF REPORT)