

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: P333532-930

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

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P333532-930
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1807-864-7,
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: NEO-RAY
Catalog Number: S125RDIP-S610D810U930-4F0-1E-UDD-A
Description: DEFINE 5 DIRECT-INDIRECT PENDANT LED LUMINAIRE
DOWNLIGHT 610 LUMENS PER FOOT, ASYMMETRIC DIFFUSER, REGRESSED HOUSING
UPLIGHT 810 LUMENS PER FOOT, NO LENS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4597.7 lumens
Efficiency: N/A
Efficacy: 119.7 lumens/watt
Spacing Criteria (0/90/45): 1.4 / 1.22 / 1.47
Luminous Opening: Rectangular (W 4' x L: 0.42' x H: 0')
CIE Type: General Diffuse

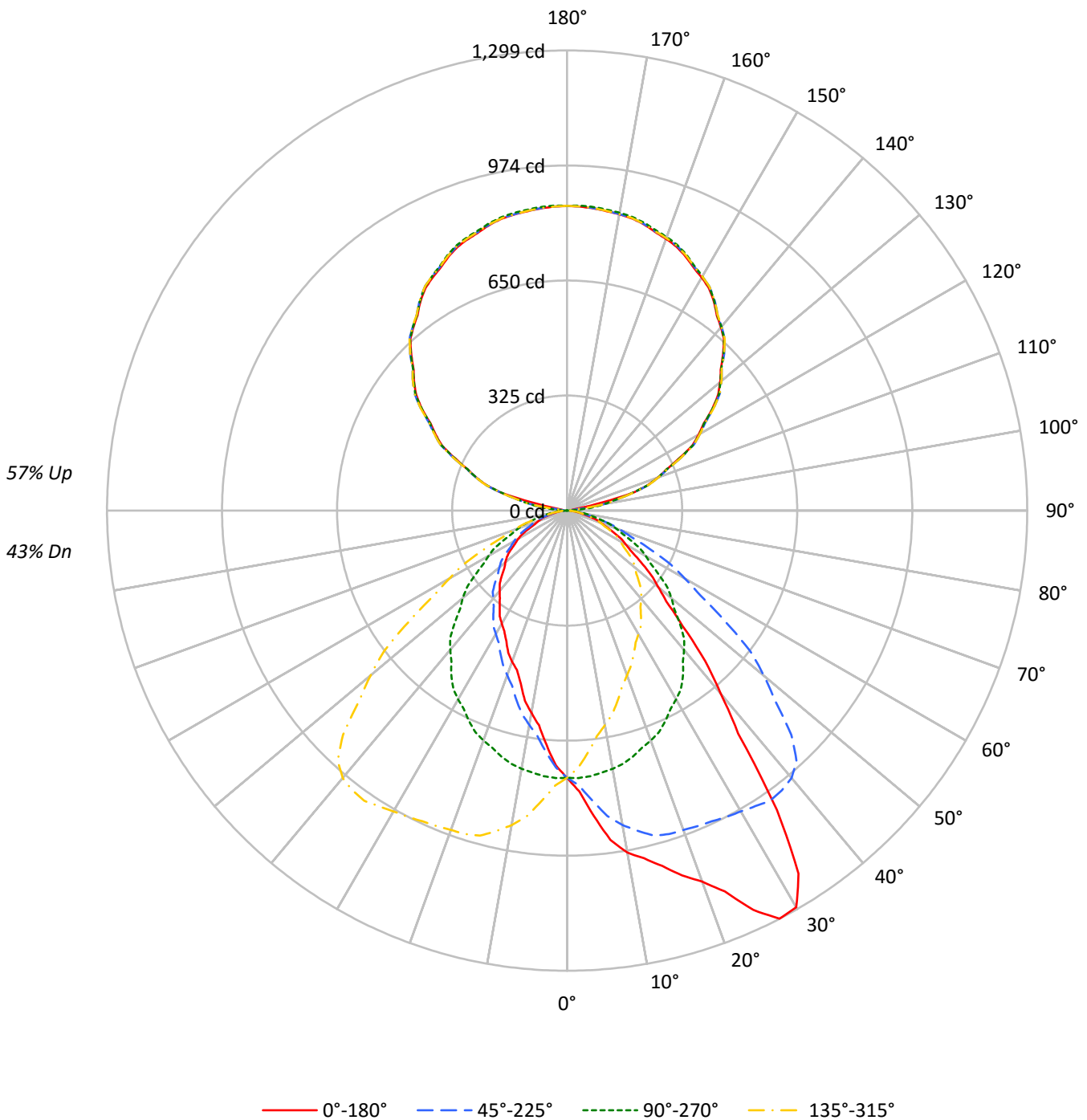
Input Watts (W): 38.4
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	50	30	10	50	30	10	50	30	10	0																			
RCR																																														
0	105	105	105	105	96	96	96	96	79	79	79	64	64	64	49	49	49	43																												
1	96	92	89	85	88	85	81	79	70	68	66	56	55	54	44	43	42	37																												
2	88	81	75	70	80	74	69	65	62	58	55	50	48	45	39	38	36	31																												
3	81	71	64	59	73	66	60	55	55	50	46	44	41	39	35	33	31	27																												
4	74	63	56	50	67	58	52	46	49	44	40	40	36	33	31	29	27	23																												
5	68	57	49	43	62	52	45	40	44	38	34	36	32	29	28	26	24	20																												
6	62	51	43	37	57	47	40	35	39	34	30	32	28	25	26	23	21	18																												
7	58	46	38	33	53	42	35	31	36	30	27	29	25	23	24	21	19	16																												
8	54	42	34	29	49	38	32	27	32	27	24	27	23	20	22	19	17	14																												
9	50	38	31	26	46	35	29	24	30	25	21	25	21	18	20	17	15	13																												
10	46	35	28	23	43	32	26	22	27	22	19	23	19	16	19	16	14	12																												

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	1.6
10°-20°	212.0	4.6
20°-30°	336.2	7.3
30°-40°	405.4	8.8
40°-50°	362.0	7.9
50°-60°	277.6	6.0
60°-70°	180.4	3.9
70°-80°	87.7	1.9
80°-90°	22.7	0.5
90°-100°	31.3	0.7
100°-110°	192.6	4.2
110°-120°	349.4	7.6
120°-130°	448.4	9.8
130°-140°	482.3	10.5
140°-150°	452.7	9.8
150°-160°	366.2	8.0
160°-170°	236.8	5.2
170°-180°	81.7	1.8
0°-30°	620.5	13.5
0°-40°	1025.9	22.3
0°-60°	1665.6	36.2
0°-90°	1956.4	42.6
90°-120°	573.3	12.5
90°-150°	1956.6	42.6
90°-180°	2641.0	57.4
0°-180°	4597.7	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	754	754	754	754	754	
5°	865	753	665	753	865	86
15°	1039	718	506	718	1039	298
25°	1244	655	406	655	1244	571
35°	1032	570	331	570	1032	623
45°	462	449	261	449	462	368
55°	253	317	195	317	253	230
65°	144	198	116	198	144	143
75°	67	96	61	96	67	71
85°	14	21	16	21	14	17
90°	15	1	15	1	15	7
95°	13	36	13	36	13	11
105°	189	187	189	187	189	171
115°	349	352	349	352	349	347
125°	500	500	500	500	500	445
135°	622	624	622	624	622	480
145°	722	724	722	724	722	451
155°	791	797	791	797	791	365
165°	836	841	836	841	836	236
175°	856	860	856	860	856	81
180°	860	860	860	860	860	



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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	11.7	10.9	10.2	9.2
92.5°	14.3	14.1	13.9	13.7	13.5	13.0	12.3	11.7	10.9	10.2	9.3
95°	13.4	13.4	13.4	13.4	13.4	13.0	12.3	11.7	10.9	10.2	15.6
97.5°	13.4	13.4	13.4	13.4	13.4	15.4	19.4	23.4	27.4	31.4	42.0
100°	13.4	13.9	14.5	15.1	15.7	26.5	47.6	68.7	89.8	111.0	110.4
102.5°	80.2	89.8	99.5	109.1	118.8	125.6	129.6	133.5	137.5	141.5	141.2
105°	189.4	189.5	189.6	189.8	190.0	190.0	190.0	190.0	190.0	190.0	190.0
107.5°	238.7	239.1	239.5	240.0	240.4	240.6	240.6	240.6	240.5	240.5	240.2
110°	272.9	272.7	272.6	272.5	272.3	272.5	272.9	273.3	273.8	274.2	273.9



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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	303.5	303.7	303.9	304.1	304.3	304.7	305.2	305.7	306.3	306.8	306.6
115°	349.4	350.3	351.1	352.0	352.8	353.5	354.1	354.7	355.2	355.8	355.6
117.5°	398.4	398.8	399.1	399.5	399.8	400.4	401.1	401.9	402.6	403.3	402.8
120°	428.4	429.2	429.9	430.6	431.3	431.8	432.1	432.4	432.7	432.9	432.5
122.5°	457.1	457.9	458.7	459.5	460.3	460.9	461.1	461.5	461.7	462.0	461.8
125°	500.5	500.9	501.3	501.8	502.2	502.7	503.3	503.9	504.4	505.0	505.0
127.5°	537.1	538.2	539.2	540.3	541.3	542.0	542.3	542.6	542.9	543.2	543.3
130°	563.6	564.4	565.1	565.7	566.5	567.0	567.4	567.9	568.3	568.8	568.6
132.5°	588.2	588.8	589.5	590.3	590.9	591.3	591.4	591.5	591.6	591.7	592.0
135°	621.7	622.5	623.4	624.2	625.1	625.7	625.9	626.2	626.5	626.8	627.0
137.5°	655.3	656.1	656.8	657.5	658.3	658.6	658.5	658.5	658.4	658.4	658.7
140°	675.2	676.0	676.9	677.8	678.7	678.9	678.7	678.3	678.1	677.8	677.9
142.5°	694.1	695.0	695.8	696.7	697.5	697.9	697.8	697.8	697.7	697.7	697.5
145°	721.8	722.6	723.5	724.3	725.1	725.5	725.4	725.2	725.1	725.0	725.0
147.5°	744.6	745.6	746.7	747.6	748.7	749.1	748.9	748.8	748.6	748.4	748.3
150°	759.4	760.5	761.7	762.8	763.9	764.3	764.1	763.8	763.5	763.2	763.0
152.5°	773.1	774.2	775.2	776.2	777.2	777.6	777.3	777.1	776.7	776.5	776.2
155°	791.2	792.4	793.5	794.7	795.8	796.1	795.7	795.3	794.8	794.4	794.2
157.5°	806.4	807.6	808.7	809.8	811.0	811.3	810.9	810.4	809.9	809.5	809.4
160°	816.1	817.3	818.4	819.5	820.7	820.9	820.4	819.8	819.2	818.6	818.6
162.5°	824.8	826.1	827.3	828.5	829.8	830.0	829.2	828.4	827.6	826.9	826.7
165°	836.5	837.6	838.8	839.9	841.1	841.2	840.3	839.5	838.7	837.8	837.6
167.5°	844.7	846.0	847.3	848.5	849.8	849.9	848.9	847.9	846.9	845.9	845.7
170°	849.3	850.5	851.8	853.1	854.4	854.4	853.3	852.2	851.1	849.9	849.8
172.5°	852.3	853.6	854.9	856.1	857.5	857.6	856.6	855.5	854.5	853.5	853.2
175°	856.3	857.6	858.8	860.1	861.4	861.4	860.3	859.2	858.1	857.0	856.8
177.5°	858.6	859.5	860.4	861.3	862.3	862.3	861.4	860.7	859.9	859.1	859.0
180°	860.1	860.1	860.1	860.1	860.1	860.1	860.1	860.1	860.1	860.1	860.1



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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°	8.5	7.6	6.7	6.7	7.4	8.2	9.0	9.8	9.0	8.2	7.4
95°	21.0	26.3	31.7	34.7	35.1	35.5	36.0	36.4	36.0	35.5	35.1
97.5°	52.7	63.3	74.0	78.9	78.2	77.4	76.6	75.9	76.6	77.4	78.2
100°	109.8	109.3	108.7	108.2	107.8	107.3	106.9	106.5	106.9	107.3	107.8
102.5°	140.9	140.6	140.1	139.7	139.2	138.7	138.1	137.6	138.1	138.7	139.2
105°	190.0	190.0	190.0	189.7	189.1	188.6	188.0	187.4	188.0	188.6	189.1
107.5°	239.9	239.6	239.4	239.2	239.2	239.2	239.2	239.2	239.2	239.2	239.2
110°	273.6	273.3	273.0	272.9	272.9	272.9	272.9	272.9	272.9	272.9	272.9



TEST NUMBER: P333532-930

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

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	306.5	306.3	306.1	305.9	305.6	305.2	304.8	304.5	304.8	305.2	305.6
115°	355.5	355.4	355.2	354.8	354.1	353.4	352.7	352.0	352.7	353.4	354.1
117.5°	402.3	401.7	401.2	401.0	401.0	401.0	401.0	401.0	401.0	401.0	401.0
120°	432.1	431.6	431.2	431.0	431.2	431.4	431.5	431.6	431.5	431.4	431.2
122.5°	461.6	461.4	461.2	460.8	460.3	459.7	459.3	458.7	459.3	459.7	460.3
125°	505.0	505.0	505.0	504.5	503.5	502.5	501.5	500.5	501.5	502.5	503.5
127.5°	543.4	543.5	543.6	543.2	542.6	541.8	541.1	540.5	541.1	541.8	542.6
130°	568.4	568.3	568.2	567.8	567.0	566.3	565.7	564.9	565.7	566.3	567.0
132.5°	592.3	592.6	593.0	592.7	591.8	591.0	590.2	589.4	590.2	591.0	591.8
135°	627.3	627.6	627.9	627.6	626.8	625.9	625.1	624.2	625.1	625.9	626.8
137.5°	658.9	659.2	659.4	659.2	658.4	657.7	657.0	656.2	657.0	657.7	658.4
140°	678.1	678.2	678.3	678.2	678.0	677.7	677.4	677.1	677.4	677.7	678.0
142.5°	697.2	697.1	696.8	696.7	696.5	696.3	696.2	696.0	696.2	696.3	696.5
145°	725.0	725.0	725.0	724.8	724.6	724.2	724.0	723.7	724.0	724.2	724.6
147.5°	748.0	747.9	747.7	747.7	747.7	747.8	747.9	747.9	747.9	747.8	747.7
150°	762.6	762.4	762.1	762.1	762.4	762.6	763.0	763.2	763.0	762.6	762.4
152.5°	775.9	775.6	775.3	775.5	776.2	776.7	777.4	778.0	777.4	776.7	776.2
155°	793.9	793.6	793.3	793.6	794.4	795.3	796.1	797.0	796.1	795.3	794.4
157.5°	809.4	809.4	809.3	809.6	810.2	810.7	811.1	811.6	811.1	810.7	810.2
160°	818.4	818.2	818.2	818.5	819.3	820.2	821.0	821.9	821.0	820.2	819.3
162.5°	826.6	826.4	826.3	826.6	827.4	828.3	829.2	830.1	829.2	828.3	827.4
165°	837.6	837.4	837.2	837.6	838.5	839.3	840.2	841.0	840.2	839.3	838.5
167.5°	845.5	845.4	845.3	845.6	846.5	847.4	848.3	849.1	848.3	847.4	846.5
170°	849.6	849.5	849.4	849.8	850.8	851.7	852.7	853.8	852.7	851.7	850.8
172.5°	853.0	852.7	852.5	852.8	853.9	854.8	855.8	856.8	855.8	854.8	853.9
175°	856.6	856.5	856.4	856.7	857.6	858.4	859.2	860.1	859.2	858.4	857.6
177.5°	858.8	858.8	858.7	858.9	859.7	860.3	861.0	861.7	861.0	860.3	859.7
180°	860.1	860.1	860.1	860.1	860.1	860.1	860.1	860.1	860.1	860.1	860.1



TEST NUMBER: P333532-930

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

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	11.7	12.3	13.0	13.6
92.5°	6.7	6.7	7.6	8.5	9.3	10.2	10.9	11.7	12.3	13.0	13.5
95°	34.7	31.7	26.3	21.0	15.6	10.2	10.9	11.7	12.3	13.0	13.4
97.5°	78.9	74.0	63.3	52.7	42.0	31.4	27.4	23.4	19.4	15.4	13.4
100°	108.2	108.7	109.3	109.8	110.4	111.0	89.8	68.7	47.6	26.5	15.7
102.5°	139.7	140.1	140.6	140.9	141.2	141.5	137.5	133.5	129.6	125.6	118.8
105°	189.7	190.0	190.0	190.0	190.0	190.0	190.0	190.0	190.0	190.0	190.0
107.5°	239.2	239.4	239.6	239.9	240.2	240.5	240.5	240.6	240.6	240.6	240.4
110°	272.9	273.0	273.3	273.6	273.9	274.2	273.8	273.3	272.9	272.5	272.3



TEST NUMBER: P333532-930

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

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	305.9	306.1	306.3	306.5	306.6	306.8	306.3	305.7	305.2	304.7	304.3
115°	354.8	355.2	355.4	355.5	355.6	355.8	355.2	354.7	354.1	353.5	352.8
117.5°	401.0	401.2	401.7	402.3	402.8	403.3	402.6	401.9	401.1	400.4	399.8
120°	431.0	431.2	431.6	432.1	432.5	432.9	432.7	432.4	432.1	431.8	431.3
122.5°	460.8	461.2	461.4	461.6	461.8	462.0	461.7	461.5	461.1	460.9	460.3
125°	504.5	505.0	505.0	505.0	505.0	505.0	504.4	503.9	503.3	502.7	502.2
127.5°	543.2	543.6	543.5	543.4	543.3	543.2	542.9	542.6	542.3	542.0	541.3
130°	567.8	568.2	568.3	568.4	568.6	568.8	568.3	567.9	567.4	567.0	566.5
132.5°	592.7	593.0	592.6	592.3	592.0	591.7	591.6	591.5	591.4	591.3	590.9
135°	627.6	627.9	627.6	627.3	627.0	626.8	626.5	626.2	625.9	625.7	625.1
137.5°	659.2	659.4	659.2	658.9	658.7	658.4	658.4	658.5	658.5	658.6	658.3
140°	678.2	678.3	678.2	678.1	677.9	677.8	678.1	678.3	678.7	678.9	678.7
142.5°	696.7	696.8	697.1	697.2	697.5	697.7	697.7	697.8	697.8	697.9	697.5
145°	724.8	725.0	725.0	725.0	725.0	725.0	725.1	725.2	725.4	725.5	725.1
147.5°	747.7	747.7	747.9	748.0	748.3	748.4	748.6	748.8	748.9	749.1	748.7
150°	762.1	762.1	762.4	762.6	763.0	763.2	763.5	763.8	764.1	764.3	763.9
152.5°	775.5	775.3	775.6	775.9	776.2	776.5	776.7	777.1	777.3	777.6	777.2
155°	793.6	793.3	793.6	793.9	794.2	794.4	794.8	795.3	795.7	796.1	795.8
157.5°	809.6	809.3	809.4	809.4	809.4	809.5	809.9	810.4	810.9	811.3	811.0
160°	818.5	818.2	818.2	818.4	818.6	818.6	819.2	819.8	820.4	820.9	820.7
162.5°	826.6	826.3	826.4	826.6	826.7	826.9	827.6	828.4	829.2	830.0	829.8
165°	837.6	837.2	837.4	837.6	837.6	837.8	838.7	839.5	840.3	841.2	841.1
167.5°	845.6	845.3	845.4	845.5	845.7	845.9	846.9	847.9	848.9	849.9	849.8
170°	849.8	849.4	849.5	849.6	849.8	849.9	851.1	852.2	853.3	854.4	854.4
172.5°	852.8	852.5	852.7	853.0	853.2	853.5	854.5	855.5	856.6	857.6	857.5
175°	856.7	856.4	856.5	856.6	856.8	857.0	858.1	859.2	860.3	861.4	861.4
177.5°	858.9	858.7	858.8	858.8	859.0	859.1	859.9	860.7	861.4	862.3	862.3
180°	860.1	860.1	860.1	860.1	860.1	860.1	860.1	860.1	860.1	860.1	860.1



TEST NUMBER: P333532-930

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

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	11.7
92.5°	13.7	13.9	14.1	14.3	14.1	13.9	13.7	13.5	13.0	12.3	11.7
95°	13.4	13.4	13.4	13.4	13.4	13.4	13.4	13.4	13.0	12.3	11.7
97.5°	13.4	13.4	13.4	13.4	13.4	13.4	13.4	13.4	15.4	19.4	23.4
100°	15.1	14.5	13.9	13.4	13.9	14.5	15.1	15.7	26.5	47.6	68.7
102.5°	109.1	99.5	89.8	80.2	89.8	99.5	109.1	118.8	125.6	129.6	133.5
105°	189.8	189.6	189.5	189.4	189.5	189.6	189.8	190.0	190.0	190.0	190.0
107.5°	240.0	239.5	239.1	238.7	239.1	239.5	240.0	240.4	240.6	240.6	240.6
110°	272.5	272.6	272.7	272.9	272.7	272.6	272.5	272.3	272.5	272.9	273.3



TEST NUMBER: P333532-930

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

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	304.1	303.9	303.7	303.5	303.7	303.9	304.1	304.3	304.7	305.2	305.7
115°	352.0	351.1	350.3	349.4	350.3	351.1	352.0	352.8	353.5	354.1	354.7
117.5°	399.5	399.1	398.8	398.4	398.8	399.1	399.5	399.8	400.4	401.1	401.9
120°	430.6	429.9	429.2	428.4	429.2	429.9	430.6	431.3	431.8	432.1	432.4
122.5°	459.5	458.7	457.9	457.1	457.9	458.7	459.5	460.3	460.9	461.1	461.5
125°	501.8	501.3	500.9	500.5	500.9	501.3	501.8	502.2	502.7	503.3	503.9
127.5°	540.3	539.2	538.2	537.1	538.2	539.2	540.3	541.3	542.0	542.3	542.6
130°	565.7	565.1	564.4	563.6	564.4	565.1	565.7	566.5	567.0	567.4	567.9
132.5°	590.3	589.5	588.8	588.2	588.8	589.5	590.3	590.9	591.3	591.4	591.5
135°	624.2	623.4	622.5	621.7	622.5	623.4	624.2	625.1	625.7	625.9	626.2
137.5°	657.5	656.8	656.1	655.3	656.1	656.8	657.5	658.3	658.6	658.5	658.5
140°	677.8	676.9	676.0	675.2	676.0	676.9	677.8	678.7	678.9	678.7	678.3
142.5°	696.7	695.8	695.0	694.1	695.0	695.8	696.7	697.5	697.9	697.8	697.8
145°	724.3	723.5	722.6	721.8	722.6	723.5	724.3	725.1	725.5	725.4	725.2
147.5°	747.6	746.7	745.6	744.6	745.6	746.7	747.6	748.7	749.1	748.9	748.8
150°	762.8	761.7	760.5	759.4	760.5	761.7	762.8	763.9	764.3	764.1	763.8
152.5°	776.2	775.2	774.2	773.1	774.2	775.2	776.2	777.2	777.6	777.3	777.1
155°	794.7	793.5	792.4	791.2	792.4	793.5	794.7	795.8	796.1	795.7	795.3
157.5°	809.8	808.7	807.6	806.4	807.6	808.7	809.8	811.0	811.3	810.9	810.4
160°	819.5	818.4	817.3	816.1	817.3	818.4	819.5	820.7	820.9	820.4	819.8
162.5°	828.5	827.3	826.1	824.8	826.1	827.3	828.5	829.8	830.0	829.2	828.4
165°	839.9	838.8	837.6	836.5	837.6	838.8	839.9	841.1	841.2	840.3	839.5
167.5°	848.5	847.3	846.0	844.7	846.0	847.3	848.5	849.8	849.9	848.9	847.9
170°	853.1	851.8	850.5	849.3	850.5	851.8	853.1	854.4	854.4	853.3	852.2
172.5°	856.1	854.9	853.6	852.3	853.6	854.9	856.1	857.5	857.6	856.6	855.5
175°	860.1	858.8	857.6	856.3	857.6	858.8	860.1	861.4	861.4	860.3	859.2
177.5°	861.3	860.4	859.5	858.6	859.5	860.4	861.3	862.3	862.3	861.4	860.7
180°	860.1	860.1	860.1	860.1	860.1	860.1	860.1	860.1	860.1	860.1	860.1



TEST NUMBER: P333532-930

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

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°	10.9	10.2	9.3	8.5	7.6	6.7	6.7	7.4	8.2	9.0	9.8
95°	10.9	10.2	15.6	21.0	26.3	31.7	34.7	35.1	35.5	36.0	36.4
97.5°	27.4	31.4	42.0	52.7	63.3	74.0	78.9	78.2	77.4	76.6	75.9
100°	89.8	111.0	110.4	109.8	109.3	108.7	108.2	107.8	107.3	106.9	106.5
102.5°	137.5	141.5	141.2	140.9	140.6	140.1	139.7	139.2	138.7	138.1	137.6
105°	190.0	190.0	190.0	190.0	190.0	190.0	189.7	189.1	188.6	188.0	187.4
107.5°	240.5	240.5	240.2	239.9	239.6	239.4	239.2	239.2	239.2	239.2	239.2
110°	273.8	274.2	273.9	273.6	273.3	273.0	272.9	272.9	272.9	272.9	272.9



TEST NUMBER: P333532-930

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

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	306.3	306.8	306.6	306.5	306.3	306.1	305.9	305.6	305.2	304.8	304.5
115°	355.2	355.8	355.6	355.5	355.4	355.2	354.8	354.1	353.4	352.7	352.0
117.5°	402.6	403.3	402.8	402.3	401.7	401.2	401.0	401.0	401.0	401.0	401.0
120°	432.7	432.9	432.5	432.1	431.6	431.2	431.0	431.2	431.4	431.5	431.6
122.5°	461.7	462.0	461.8	461.6	461.4	461.2	460.8	460.3	459.7	459.3	458.7
125°	504.4	505.0	505.0	505.0	505.0	505.0	504.5	503.5	502.5	501.5	500.5
127.5°	542.9	543.2	543.3	543.4	543.5	543.6	543.2	542.6	541.8	541.1	540.5
130°	568.3	568.8	568.6	568.4	568.3	568.2	567.8	567.0	566.3	565.7	564.9
132.5°	591.6	591.7	592.0	592.3	592.6	593.0	592.7	591.8	591.0	590.2	589.4
135°	626.5	626.8	627.0	627.3	627.6	627.9	627.6	626.8	625.9	625.1	624.2
137.5°	658.4	658.4	658.7	658.9	659.2	659.4	659.2	658.4	657.7	657.0	656.2
140°	678.1	677.8	677.9	678.1	678.2	678.3	678.2	678.0	677.7	677.4	677.1
142.5°	697.7	697.7	697.5	697.2	697.1	696.8	696.7	696.5	696.3	696.2	696.0
145°	725.1	725.0	725.0	725.0	725.0	725.0	724.8	724.6	724.2	724.0	723.7
147.5°	748.6	748.4	748.3	748.0	747.9	747.7	747.7	747.7	747.8	747.9	747.9
150°	763.5	763.2	763.0	762.6	762.4	762.1	762.1	762.4	762.6	763.0	763.2
152.5°	776.7	776.5	776.2	775.9	775.6	775.3	775.5	776.2	776.7	777.4	778.0
155°	794.8	794.4	794.2	793.9	793.6	793.3	793.6	794.4	795.3	796.1	797.0
157.5°	809.9	809.5	809.4	809.4	809.4	809.3	809.6	810.2	810.7	811.1	811.6
160°	819.2	818.6	818.6	818.4	818.2	818.2	818.5	819.3	820.2	821.0	821.9
162.5°	827.6	826.9	826.7	826.6	826.4	826.3	826.6	827.4	828.3	829.2	830.1
165°	838.7	837.8	837.6	837.6	837.4	837.2	837.6	838.5	839.3	840.2	841.0
167.5°	846.9	845.9	845.7	845.5	845.4	845.3	845.6	846.5	847.4	848.3	849.1
170°	851.1	849.9	849.8	849.6	849.5	849.4	849.8	850.8	851.7	852.7	853.8
172.5°	854.5	853.5	853.2	853.0	852.7	852.5	852.8	853.9	854.8	855.8	856.8
175°	858.1	857.0	856.8	856.6	856.5	856.4	856.7	857.6	858.4	859.2	860.1
177.5°	859.9	859.1	859.0	858.8	858.8	858.7	858.9	859.7	860.3	861.0	861.7
180°	860.1	860.1	860.1	860.1	860.1	860.1	860.1	860.1	860.1	860.1	860.1



TEST NUMBER: P333532-930

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

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	11.7
92.5°	9.0	8.2	7.4	6.7	6.7	7.6	8.5	9.3	10.2	10.9	11.7
95°	36.0	35.5	35.1	34.7	31.7	26.3	21.0	15.6	10.2	10.9	11.7
97.5°	76.6	77.4	78.2	78.9	74.0	63.3	52.7	42.0	31.4	27.4	23.4
100°	106.9	107.3	107.8	108.2	108.7	109.3	109.8	110.4	111.0	89.8	68.7
102.5°	138.1	138.7	139.2	139.7	140.1	140.6	140.9	141.2	141.5	137.5	133.5
105°	188.0	188.6	189.1	189.7	190.0	190.0	190.0	190.0	190.0	190.0	190.0
107.5°	239.2	239.2	239.2	239.2	239.4	239.6	239.9	240.2	240.5	240.5	240.6
110°	272.9	272.9	272.9	272.9	273.0	273.3	273.6	273.9	274.2	273.8	273.3



TEST NUMBER: P333532-930

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

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	304.8	305.2	305.6	305.9	306.1	306.3	306.5	306.6	306.8	306.3	305.7
115°	352.7	353.4	354.1	354.8	355.2	355.4	355.5	355.6	355.8	355.2	354.7
117.5°	401.0	401.0	401.0	401.0	401.2	401.7	402.3	402.8	403.3	402.6	401.9
120°	431.5	431.4	431.2	431.0	431.2	431.6	432.1	432.5	432.9	432.7	432.4
122.5°	459.3	459.7	460.3	460.8	461.2	461.4	461.6	461.8	462.0	461.7	461.5
125°	501.5	502.5	503.5	504.5	505.0	505.0	505.0	505.0	505.0	504.4	503.9
127.5°	541.1	541.8	542.6	543.2	543.6	543.5	543.4	543.3	543.2	542.9	542.6
130°	565.7	566.3	567.0	567.8	568.2	568.3	568.4	568.6	568.8	568.3	567.9
132.5°	590.2	591.0	591.8	592.7	593.0	592.6	592.3	592.0	591.7	591.6	591.5
135°	625.1	625.9	626.8	627.6	627.9	627.6	627.3	627.0	626.8	626.5	626.2
137.5°	657.0	657.7	658.4	659.2	659.4	659.2	658.9	658.7	658.4	658.4	658.5
140°	677.4	677.7	678.0	678.2	678.3	678.2	678.1	677.9	677.8	678.1	678.3
142.5°	696.2	696.3	696.5	696.7	696.8	697.1	697.2	697.5	697.7	697.7	697.8
145°	724.0	724.2	724.6	724.8	725.0	725.0	725.0	725.0	725.0	725.1	725.2
147.5°	747.9	747.8	747.7	747.7	747.7	747.9	748.0	748.3	748.4	748.6	748.8
150°	763.0	762.6	762.4	762.1	762.1	762.4	762.6	763.0	763.2	763.5	763.8
152.5°	777.4	776.7	776.2	775.5	775.3	775.6	775.9	776.2	776.5	776.7	777.1
155°	796.1	795.3	794.4	793.6	793.3	793.6	793.9	794.2	794.4	794.8	795.3
157.5°	811.1	810.7	810.2	809.6	809.3	809.4	809.4	809.4	809.5	809.9	810.4
160°	821.0	820.2	819.3	818.5	818.2	818.2	818.4	818.6	818.6	819.2	819.8
162.5°	829.2	828.3	827.4	826.6	826.3	826.4	826.6	826.7	826.9	827.6	828.4
165°	840.2	839.3	838.5	837.6	837.2	837.4	837.6	837.6	837.8	838.7	839.5
167.5°	848.3	847.4	846.5	845.6	845.3	845.4	845.5	845.7	845.9	846.9	847.9
170°	852.7	851.7	850.8	849.8	849.4	849.5	849.6	849.8	849.9	851.1	852.2
172.5°	855.8	854.8	853.9	852.8	852.5	852.7	853.0	853.2	853.5	854.5	855.5
175°	859.2	858.4	857.6	856.7	856.4	856.5	856.6	856.8	857.0	858.1	859.2
177.5°	861.0	860.3	859.7	858.9	858.7	858.8	858.8	859.0	859.1	859.9	860.7
180°	860.1	860.1	860.1	860.1	860.1	860.1	860.1	860.1	860.1	860.1	860.1



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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°	12.3	13.0	13.5	13.7	13.9	14.1	14.3
95°	12.3	13.0	13.4	13.4	13.4	13.4	13.4
97.5°	19.4	15.4	13.4	13.4	13.4	13.4	13.4
100°	47.6	26.5	15.7	15.1	14.5	13.9	13.4
102.5°	129.6	125.6	118.8	109.1	99.5	89.8	80.2
105°	190.0	190.0	190.0	189.8	189.6	189.5	189.4
107.5°	240.6	240.6	240.4	240.0	239.5	239.1	238.7
110°	272.9	272.5	272.3	272.5	272.6	272.7	272.9



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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
112.5°	305.2	304.7	304.3	304.1	303.9	303.7	303.5
115°	354.1	353.5	352.8	352.0	351.1	350.3	349.4
117.5°	401.1	400.4	399.8	399.5	399.1	398.8	398.4
120°	432.1	431.8	431.3	430.6	429.9	429.2	428.4
122.5°	461.1	460.9	460.3	459.5	458.7	457.9	457.1
125°	503.3	502.7	502.2	501.8	501.3	500.9	500.5
127.5°	542.3	542.0	541.3	540.3	539.2	538.2	537.1
130°	567.4	567.0	566.5	565.7	565.1	564.4	563.6
132.5°	591.4	591.3	590.9	590.3	589.5	588.8	588.2
135°	625.9	625.7	625.1	624.2	623.4	622.5	621.7
137.5°	658.5	658.6	658.3	657.5	656.8	656.1	655.3
140°	678.7	678.9	678.7	677.8	676.9	676.0	675.2
142.5°	697.8	697.9	697.5	696.7	695.8	695.0	694.1
145°	725.4	725.5	725.1	724.3	723.5	722.6	721.8
147.5°	748.9	749.1	748.7	747.6	746.7	745.6	744.6
150°	764.1	764.3	763.9	762.8	761.7	760.5	759.4
152.5°	777.3	777.6	777.2	776.2	775.2	774.2	773.1
155°	795.7	796.1	795.8	794.7	793.5	792.4	791.2
157.5°	810.9	811.3	811.0	809.8	808.7	807.6	806.4
160°	820.4	820.9	820.7	819.5	818.4	817.3	816.1
162.5°	829.2	830.0	829.8	828.5	827.3	826.1	824.8
165°	840.3	841.2	841.1	839.9	838.8	837.6	836.5
167.5°	848.9	849.9	849.8	848.5	847.3	846.0	844.7
170°	853.3	854.4	854.4	853.1	851.8	850.5	849.3
172.5°	856.6	857.6	857.5	856.1	854.9	853.6	852.3
175°	860.3	861.4	861.4	860.1	858.8	857.6	856.3
177.5°	861.4	862.3	862.3	861.3	860.4	859.5	858.6
180°	860.1	860.1	860.1	860.1	860.1	860.1	860.1

(END OF REPORT)