

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: P333527-927

Luminaire Tested: **S125RDIP-S610D590U927-4F0-1E-UDD-A1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P333527-927
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-S610D590U927-4F0-1E-UDD-A1
Description: DEFINE 5 DIRECT-INDIRECT PENDANT LED LUMINAIRE
DOWNLIGHT 610 LUMENS PER FOOT, ASYMMETRIC DIFFUSER, REGRESSED HOUSING
UPLIGHT 590 LUMENS PER FOOT, FLUSH SATIN WHITE DIFFUSER
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3521.0 lumens
Efficiency: N/A
Efficacy: 107.3 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: General Diffuse

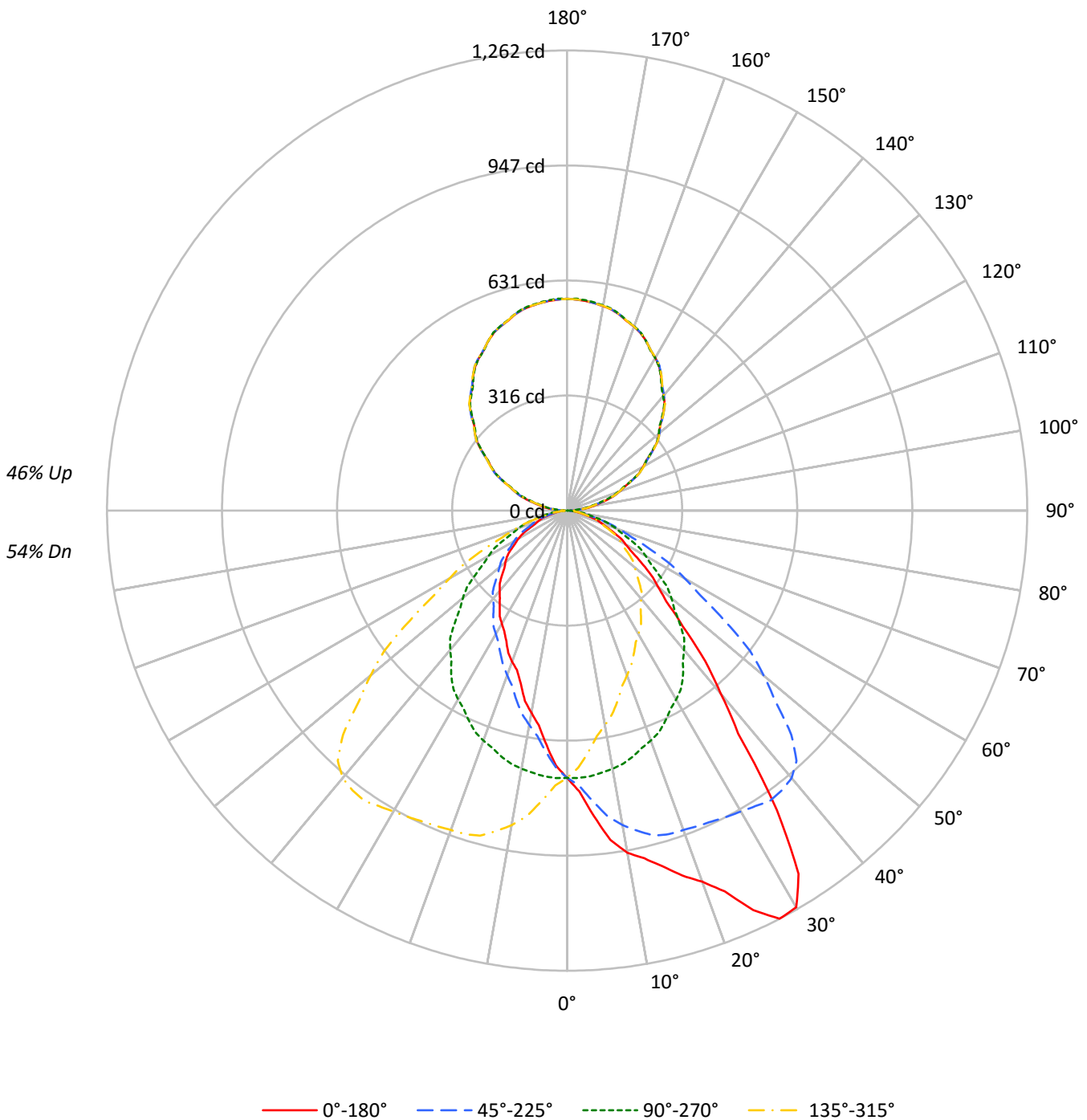
Input Watts (W): 32.8
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	108	108	108	108	100	100	100	100	86	86	86	72	72	72	60	60	60	54
1	99	95	91	88	92	88	85	82	76	73	71	64	63	61	54	52	51	46
2	91	83	77	72	84	78	73	68	67	63	60	57	54	52	48	46	44	40
3	83	74	67	61	77	69	62	57	59	55	51	51	47	44	43	40	38	34
4	76	65	58	52	70	61	54	49	53	48	43	45	41	38	38	35	33	29
5	70	58	50	45	65	55	48	42	48	42	38	41	37	33	35	31	29	26
6	64	53	45	39	60	49	42	37	43	37	33	37	33	29	31	28	26	23
7	60	48	40	34	55	45	37	32	39	33	29	34	29	26	29	25	23	20
8	55	43	36	30	51	41	34	29	36	30	26	31	26	23	26	23	20	18
9	52	39	32	27	48	37	30	26	33	27	23	28	24	21	24	21	18	16
10	48	36	29	24	45	34	28	23	30	25	21	26	22	19	23	19	17	15

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	4735	4735	4735	4735
5°	5447	4741	4187	4741
10°	6248	4716	3694	4716
15°	6748	4668	3284	4668
20°	7442	4612	3032	4612
25°	8612	4538	2813	4538
30°	9371	4459	2671	4459
35°	7905	4368	2539	4368
40°	5520	4204	2426	4204
45°	4095	3982	2314	3982
50°	3265	3752	2219	3752
55°	2771	3466	2135	3466
60°	2395	3211	1998	3211
65°	2135	2934	1721	2934
70°	1875	2689	1567	2689
75°	1622	2328	1472	2328
80°	1231	1960	1231	1960
85°	1030	1541	1163	1541



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	70.3	2.0
10°-20°	206.0	5.9
20°-30°	326.6	9.3
30°-40°	393.9	11.2
40°-50°	351.8	10.0
50°-60°	269.8	7.7
60°-70°	175.3	5.0
70°-80°	85.2	2.4
80°-90°	21.6	0.6
90°-100°	38.9	1.1
100°-110°	114.9	3.3
110°-120°	194.5	5.5
120°-130°	256.0	7.3
130°-140°	286.9	8.1
140°-150°	281.2	8.0
150°-160°	236.2	6.7
160°-170°	157.0	4.5
170°-180°	54.9	1.6
0°-30°	602.9	17.1
0°-40°	996.8	28.3
0°-60°	1618.4	46.0
0°-90°	1900.5	54.0
90°-120°	348.3	9.9
90°-150°	1172.4	33.3
90°-180°	1620.0	46.0
0°-180°	3521.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	733	733	733	733	733	
5°	840	731	646	731	840	84
15°	1009	698	491	698	1009	289
25°	1209	637	395	637	1209	555
35°	1003	554	322	554	1003	606
45°	448	436	253	436	448	358
55°	246	308	190	308	246	223
65°	140	192	113	192	140	139
75°	65	93	59	93	65	69
85°	14	21	16	21	14	16
90°	11	0	11	0	11	7
95°	39	29	39	29	39	40
105°	112	103	112	103	112	119
115°	197	195	197	195	197	194
125°	286	284	286	284	286	255
135°	371	370	371	370	371	286
145°	450	448	450	448	450	281
155°	512	512	512	512	512	236
165°	556	557	556	557	556	157
175°	577	579	577	579	577	55
180°	581	581	581	581	581	



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	733.1	733.1	733.1	733.1	733.1	733.1	733.1	733.1	733.1	733.1	733.1
2.5°	771.1	770.6	771.6	768.9	769.2	765.1	765.1	761.9	757.9	754.7	753.3
5°	840.2	840.8	839.6	835.0	832.0	827.5	822.4	813.4	805.9	798.7	793.0
7.5°	911.3	911.7	907.8	906.4	898.8	893.3	881.9	869.7	858.7	844.9	834.3
10°	952.8	952.4	948.2	944.9	938.3	929.9	918.7	904.3	890.7	875.7	861.3
12.5°	976.8	976.0	974.7	970.7	964.6	957.0	947.6	933.4	916.7	900.2	883.4
15°	1009.3	1007.2	1003.3	998.1	989.4	980.7	970.2	957.6	941.6	923.0	907.3
17.5°	1049.5	1049.6	1043.5	1036.5	1024.6	1009.2	992.9	972.6	950.9	930.3	913.7
20°	1082.8	1081.8	1075.8	1062.0	1048.5	1029.2	1010.5	985.6	959.1	932.2	911.5
22.5°	1130.4	1128.1	1121.8	1103.6	1082.6	1057.8	1029.3	998.8	966.8	936.4	909.1
25°	1208.6	1206.7	1194.4	1173.3	1143.8	1105.6	1068.3	1026.4	980.4	940.4	907.3
27.5°	1261.9	1260.0	1250.9	1233.3	1206.1	1165.9	1115.4	1059.5	1002.0	947.0	899.2
30°	1256.6	1261.2	1260.0	1251.9	1231.4	1195.2	1148.7	1085.8	1017.4	952.8	895.9
32.5°	1181.1	1185.1	1195.7	1211.6	1212.8	1198.4	1163.6	1105.5	1034.7	961.2	893.2
35°	1002.7	1008.1	1028.6	1060.7	1102.9	1138.1	1145.3	1114.0	1050.5	971.4	889.2
37.5°	770.9	800.5	817.7	851.6	915.2	980.0	1042.3	1065.2	1038.2	967.2	882.8
40°	654.8	662.0	692.8	730.9	784.5	851.9	940.7	1004.8	1006.9	957.6	872.7
42.5°	560.5	569.6	590.7	621.2	667.0	734.4	826.1	910.7	949.8	931.1	859.4
45°	448.4	455.3	470.6	494.1	529.3	585.0	663.8	761.7	839.3	869.7	823.9
47.5°	368.4	372.1	385.4	403.3	429.4	469.9	530.9	615.8	709.0	774.3	767.9
50°	325.0	329.2	339.5	353.0	374.9	409.2	458.0	528.7	624.7	704.5	720.4
52.5°	291.3	294.8	301.2	314.0	332.1	358.5	397.8	461.8	548.2	633.0	669.9
55°	246.1	248.6	253.7	260.9	275.4	294.3	328.3	372.6	442.4	527.8	582.0
57.5°	209.0	210.2	213.4	220.1	230.0	243.9	268.5	306.0	356.1	433.0	492.8
60°	185.4	186.6	190.8	195.3	203.1	215.8	235.0	261.2	309.3	372.9	433.3
62.5°	166.6	167.3	169.1	173.6	180.5	190.3	205.4	226.8	265.1	320.8	378.0
65°	139.7	139.9	140.5	144.2	148.4	155.6	165.5	180.5	209.5	251.6	302.1
67.5°	113.8	114.2	116.3	117.6	121.9	125.7	131.6	143.1	163.4	191.8	231.1
70°	99.3	99.0	101.1	102.6	104.1	108.6	112.6	121.8	134.5	156.2	189.0
72.5°	85.8	85.1	86.0	86.5	88.5	91.6	95.5	101.2	110.9	125.9	150.9
75°	65.0	65.3	65.3	65.9	67.4	68.6	69.8	72.8	78.3	88.2	101.7
77.5°	45.6	45.2	46.4	46.6	47.5	48.8	49.8	51.0	53.2	57.4	64.3
80°	33.1	33.1	33.4	34.3	34.0	34.6	36.1	37.3	40.0	42.5	44.8
82.5°	25.4	25.2	25.4	25.7	25.6	26.1	26.7	26.9	28.0	29.2	30.9
85°	13.9	13.9	14.2	14.2	14.4	14.4	14.7	14.7	14.7	15.1	15.4
87.5°	7.4	7.1	6.9	6.8	7.0	7.4	7.1	6.7	6.6	6.5	6.6
90°	10.9	10.5	10.2	10.0	9.7	9.3	8.7	8.2	7.8	7.2	6.5
92.5°	21.3	21.1	20.9	20.7	20.4	20.0	19.3	18.7	18.0	17.3	16.5
95°	38.9	38.7	38.5	38.3	38.0	37.6	36.9	36.2	35.5	34.8	33.8
97.5°	58.9	58.8	58.7	58.5	58.5	58.1	57.4	56.7	56.1	55.4	54.0
100°	74.1	73.9	73.8	73.5	73.3	72.7	71.9	71.0	70.0	69.2	67.8
102.5°	89.3	89.0	88.7	88.5	88.2	87.5	86.6	85.6	84.6	83.6	82.9
105°	112.1	111.8	111.5	111.1	110.9	110.4	109.8	109.2	108.6	108.0	107.4
107.5°	135.4	135.4	135.5	135.5	135.5	135.3	135.1	134.8	134.4	134.1	133.6
110°	152.7	152.8	153.0	153.0	153.1	153.0	152.7	152.4	152.2	151.9	151.5



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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	169.8	169.9	170.1	170.3	170.5	170.5	170.3	170.2	170.1	169.9	169.5
115°	196.6	196.7	196.8	196.9	197.0	197.1	197.2	197.3	197.4	197.5	197.3
117.5°	222.8	223.2	223.6	224.0	224.4	224.6	224.5	224.4	224.3	224.3	224.0
120°	240.9	241.3	241.7	242.1	242.5	242.6	242.6	242.6	242.6	242.6	242.6
122.5°	259.0	259.3	259.6	259.9	260.2	260.5	260.5	260.6	260.7	260.8	260.5
125°	286.1	286.1	286.3	286.4	286.5	286.6	286.8	287.0	287.2	287.4	287.3
127.5°	312.1	312.3	312.5	312.7	312.9	313.1	313.1	313.2	313.4	313.5	313.3
130°	329.5	329.6	329.9	330.0	330.3	330.4	330.5	330.6	330.7	330.8	330.6
132.5°	345.7	346.0	346.3	346.6	346.8	347.1	347.1	347.2	347.4	347.5	347.5
135°	371.1	371.5	371.9	372.2	372.6	372.8	372.8	372.8	372.8	372.8	372.7
137.5°	395.8	396.3	396.8	397.3	397.8	398.0	397.8	397.8	397.6	397.5	397.3
140°	411.7	412.2	412.7	413.2	413.7	413.8	413.7	413.4	413.3	413.0	412.7
142.5°	426.9	427.4	427.9	428.4	428.9	429.0	429.0	428.8	428.7	428.6	428.3
145°	449.6	450.0	450.3	450.6	450.8	451.0	451.0	451.0	451.0	451.0	450.8
147.5°	469.1	469.8	470.5	471.1	471.8	472.1	471.8	471.6	471.3	471.1	470.9
150°	483.5	483.8	483.9	484.2	484.3	484.4	484.4	484.4	484.4	484.4	484.0
152.5°	495.5	495.8	496.2	496.5	496.9	497.0	496.8	496.5	496.3	496.1	495.8
155°	512.5	512.9	513.5	514.0	514.5	514.5	514.1	513.7	513.3	512.9	512.9
157.5°	526.6	527.4	528.0	528.6	529.3	529.4	529.0	528.6	528.2	527.8	527.8
160°	536.5	536.9	537.4	538.0	538.4	538.4	538.1	537.7	537.3	536.9	536.8
162.5°	544.7	545.3	545.9	546.5	547.1	547.2	546.6	546.1	545.7	545.2	545.2
165°	555.9	556.4	557.1	557.7	558.3	558.4	557.9	557.5	557.1	556.7	556.7
167.5°	564.7	565.3	565.9	566.6	567.2	567.2	566.6	566.0	565.4	564.8	564.8
170°	569.4	570.1	570.8	571.6	572.2	572.3	571.6	571.1	570.5	569.9	569.9
172.5°	573.4	574.0	574.6	575.3	575.9	575.9	575.3	574.7	574.1	573.5	573.5
175°	577.1	577.8	578.5	579.2	579.9	580.0	579.3	578.8	578.1	577.6	577.6
177.5°	579.2	579.8	580.4	581.0	581.5	581.5	581.1	580.6	580.1	579.6	579.7
180°	580.7	580.7	580.7	580.7	580.7	580.7	580.7	580.7	580.7	580.7	580.7



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CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	733.1	733.1	733.1	733.1	733.1	733.1	733.1	733.1	733.1	733.1	733.1
2.5°	753.3	751.6	748.5	745.6	742.0	738.9	736.7	734.0	730.6	726.6	723.2
5°	786.6	780.0	771.3	763.7	754.2	746.6	738.8	731.3	723.7	714.1	705.7
7.5°	823.6	809.9	796.6	779.9	764.7	751.1	738.2	725.0	712.1	698.5	685.2
10°	846.2	829.7	811.3	790.2	771.0	752.7	735.8	719.2	701.8	686.4	669.9
12.5°	867.4	846.1	825.1	798.4	775.3	752.9	731.4	710.8	692.1	672.2	654.4
15°	886.5	865.5	842.0	809.5	777.3	750.2	724.9	698.2	675.0	652.7	632.9
17.5°	893.9	871.9	844.5	813.3	778.2	744.1	711.5	682.1	654.9	628.9	606.6
20°	891.0	869.7	841.7	811.9	774.3	738.8	703.5	671.1	640.6	613.3	589.5
22.5°	884.1	862.0	835.0	803.5	767.8	730.1	692.5	657.8	626.0	597.6	571.7
25°	873.6	843.5	815.8	785.1	751.1	713.8	675.0	636.8	602.8	573.9	545.6
27.5°	862.7	825.1	790.0	759.4	723.5	690.2	652.8	613.6	577.8	548.4	519.4
30°	852.9	810.7	771.9	737.3	703.3	671.7	636.1	597.9	561.3	530.8	501.4
32.5°	840.6	795.7	753.1	713.2	680.4	649.0	616.9	580.4	544.6	513.3	483.3
35°	825.1	767.9	721.6	679.2	642.8	612.4	583.5	554.0	518.2	485.7	456.5
37.5°	804.9	740.1	686.4	640.2	601.8	571.2	548.5	521.5	488.9	457.7	430.6
40°	792.7	719.9	661.2	615.4	575.0	542.9	521.5	498.6	468.8	439.7	412.6
42.5°	776.3	701.3	635.6	588.0	547.4	516.4	494.8	474.8	449.8	422.3	393.3
45°	744.2	665.4	596.4	545.3	504.4	474.0	453.8	436.0	417.1	391.8	366.5
47.5°	702.4	627.9	555.7	499.9	459.8	431.6	412.0	398.0	384.4	363.0	338.4
50°	669.0	597.1	526.6	472.5	429.8	402.9	384.6	373.4	361.1	341.6	321.1
52.5°	629.5	565.3	496.3	440.9	400.6	375.5	357.8	346.7	336.5	320.6	301.1
55°	567.3	511.0	447.7	397.5	360.5	335.3	318.4	307.8	301.8	288.3	272.9
57.5°	495.4	455.1	399.4	350.9	318.2	293.2	280.9	272.0	265.1	255.6	244.7
60°	445.4	417.1	367.1	321.1	291.0	267.2	256.1	248.6	242.2	234.1	225.7
62.5°	394.6	374.0	330.6	291.0	263.3	243.4	233.0	226.2	218.9	213.4	205.3
65°	326.5	308.2	278.1	247.1	221.5	205.6	198.0	192.0	187.5	181.5	175.7
67.5°	254.0	246.5	225.8	204.4	186.0	171.8	165.3	161.1	155.7	152.1	148.1
70°	209.5	205.8	191.1	177.0	159.8	150.2	144.2	142.4	135.7	132.1	129.4
72.5°	170.0	168.3	159.8	150.0	137.9	129.4	123.9	121.8	117.6	114.8	113.0
75°	116.5	117.1	115.6	109.2	104.7	99.3	94.5	93.3	90.3	87.9	86.3
77.5°	73.7	76.8	76.8	76.5	74.8	71.5	69.5	68.5	65.6	64.7	64.3
80°	50.5	53.9	56.9	56.6	56.0	55.1	53.6	52.7	51.2	50.2	49.7
82.5°	33.7	36.8	39.3	41.0	40.8	39.9	38.9	38.4	38.2	37.5	37.4
85°	15.9	16.6	17.4	19.6	21.1	21.4	21.1	20.8	19.9	20.2	20.4
87.5°	6.7	6.6	6.7	6.5	6.1	7.1	7.7	7.8	7.4	7.1	6.8
90°	5.9	5.1	4.4	3.6	2.9	2.1	1.3	0.5	1.3	2.1	2.9
92.5°	15.6	14.7	13.9	13.2	12.6	12.0	11.5	10.9	11.5	12.0	12.6
95°	32.8	31.8	30.8	30.2	29.9	29.8	29.5	29.4	29.5	29.8	29.9
97.5°	52.6	51.3	49.8	49.1	49.0	49.0	48.9	48.8	48.9	49.0	49.0
100°	66.5	65.2	63.9	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3
102.5°	82.3	81.6	81.0	80.4	80.0	79.6	79.2	78.8	79.2	79.6	80.0
105°	106.8	106.2	105.6	105.0	104.6	104.0	103.5	103.1	103.5	104.0	104.6
107.5°	133.2	132.8	132.3	131.8	131.3	130.8	130.3	129.8	130.3	130.8	131.3
110°	151.2	150.9	150.7	150.3	149.7	149.2	148.7	148.2	148.7	149.2	149.7



TEST NUMBER: P333527-927

CATALOG NUMBER: S125RDIP-S610D590U927-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	169.1	168.8	168.4	168.1	167.8	167.5	167.3	167.0	167.3	167.5	167.8
115°	197.1	196.9	196.7	196.4	196.0	195.6	195.2	194.8	195.2	195.6	196.0
117.5°	223.9	223.7	223.6	223.3	223.2	223.0	222.8	222.6	222.8	223.0	223.2
120°	242.5	242.4	242.2	242.0	241.5	241.0	240.5	240.0	240.5	241.0	241.5
122.5°	260.2	260.0	259.7	259.5	259.3	259.1	259.0	258.8	259.0	259.1	259.3
125°	287.2	287.1	287.0	286.7	286.1	285.4	284.9	284.2	284.9	285.4	286.1
127.5°	313.2	313.1	313.0	312.8	312.4	312.0	311.7	311.4	311.7	312.0	312.4
130°	330.4	330.2	330.0	329.6	329.2	328.7	328.1	327.6	328.1	328.7	329.2
132.5°	347.5	347.5	347.6	347.2	346.3	345.5	344.8	343.9	344.8	345.5	346.3
135°	372.6	372.6	372.4	372.1	371.5	370.9	370.3	369.6	370.3	370.9	371.5
137.5°	397.0	396.9	396.6	396.2	395.6	395.1	394.5	393.9	394.5	395.1	395.6
140°	412.5	412.2	411.9	411.5	410.9	410.4	410.0	409.4	410.0	410.4	410.9
142.5°	427.9	427.5	427.1	426.7	426.3	425.8	425.4	425.0	425.4	425.8	426.3
145°	450.4	450.1	449.8	449.5	449.1	448.7	448.2	447.8	448.2	448.7	449.1
147.5°	470.6	470.3	470.1	469.9	469.7	469.4	469.2	469.0	469.2	469.4	469.7
150°	483.6	483.2	482.8	482.7	482.8	482.9	483.0	483.1	483.0	482.9	482.8
152.5°	495.7	495.5	495.4	495.2	495.1	495.0	494.8	494.6	494.8	495.0	495.1
155°	512.7	512.6	512.5	512.5	512.5	512.5	512.5	512.5	512.5	512.5	512.5
157.5°	527.7	527.5	527.4	527.5	527.8	527.9	528.1	528.4	528.1	527.9	527.8
160°	536.7	536.5	536.5	536.5	536.9	537.2	537.5	537.8	537.5	537.2	536.9
162.5°	545.2	545.1	545.1	545.2	545.4	545.7	545.9	546.1	545.9	545.7	545.4
165°	556.6	556.4	556.3	556.4	556.6	556.8	557.0	557.2	557.0	556.8	556.6
167.5°	564.8	564.8	564.8	565.0	565.4	565.8	566.3	566.6	566.3	565.8	565.4
170°	569.9	569.9	569.9	570.1	570.5	570.8	571.2	571.6	571.2	570.8	570.5
172.5°	573.5	573.5	573.5	573.7	574.1	574.5	574.9	575.3	574.9	574.5	574.1
175°	577.6	577.6	577.6	577.7	578.1	578.5	578.9	579.3	578.9	578.5	578.1
177.5°	579.8	579.9	580.0	580.1	580.5	580.8	581.1	581.5	581.1	580.8	580.5
180°	580.7	580.7	580.7	580.7	580.7	580.7	580.7	580.7	580.7	580.7	580.7



TEST NUMBER: P333527-927

CATALOG NUMBER: S125RDIP-S610D590U927-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	733.1	733.1	733.1	733.1	733.1	733.1	733.1	733.1	733.1	733.1	733.1
2.5°	720.8	717.4	715.0	710.2	706.8	705.4	702.7	702.0	704.6	702.7	702.5
5°	699.3	690.6	683.7	676.8	669.2	664.5	657.2	656.0	654.2	651.5	650.9
7.5°	673.7	662.3	653.4	641.9	632.0	624.0	615.0	610.7	608.3	604.8	600.2
10°	656.3	642.8	630.7	619.3	607.0	597.1	588.0	581.1	576.6	572.4	570.5
12.5°	639.2	625.4	610.1	596.2	582.4	571.2	561.3	556.7	551.8	546.8	542.6
15°	612.7	594.3	577.5	561.5	549.8	537.7	528.1	521.5	514.0	511.9	503.7
17.5°	584.6	566.5	546.8	530.0	516.4	503.1	492.6	485.1	479.3	471.6	467.9
20°	567.0	545.6	526.3	511.0	495.9	480.3	469.4	463.1	457.7	451.4	448.4
22.5°	548.2	527.3	507.6	489.6	474.3	458.8	451.1	444.6	438.5	432.6	428.6
25°	520.6	499.6	478.8	460.1	444.2	433.0	424.0	416.5	413.2	407.4	403.2
27.5°	493.4	471.0	449.4	430.8	418.3	407.3	399.9	394.0	387.9	382.9	379.3
30°	475.8	452.9	429.4	414.7	401.4	390.9	382.8	377.1	372.6	368.0	365.4
32.5°	458.2	434.6	413.8	397.8	385.3	376.2	367.9	362.3	357.6	352.6	349.4
35°	430.0	405.9	389.1	373.4	361.1	352.7	347.0	339.1	335.3	331.6	328.3
37.5°	403.9	381.4	363.2	349.5	338.8	330.4	323.1	318.8	314.0	310.8	308.0
40°	384.6	364.1	347.6	333.1	325.3	316.0	309.0	303.6	300.0	295.8	292.8
42.5°	367.3	348.2	332.2	319.2	309.4	301.5	294.9	289.5	284.9	281.9	279.3
45°	342.8	323.8	308.2	296.1	287.1	279.6	272.7	269.9	263.9	260.3	259.1
47.5°	317.4	300.5	285.3	274.3	265.0	257.9	251.4	245.9	242.6	239.0	237.1
50°	300.3	284.1	269.9	259.1	250.1	242.2	236.2	232.6	228.1	224.8	222.4
52.5°	283.2	268.2	254.1	243.7	235.8	228.1	221.3	217.7	213.4	211.3	209.6
55°	258.8	242.9	230.8	220.5	212.5	205.3	198.9	195.3	192.6	190.5	189.9
57.5°	231.1	218.5	207.3	198.0	189.6	182.8	177.3	173.9	171.5	171.2	169.4
60°	213.0	201.6	191.4	181.5	174.2	167.9	163.1	159.2	156.8	156.5	155.9
62.5°	195.0	184.0	174.5	165.8	159.3	153.2	148.7	144.3	142.8	141.3	140.0
65°	168.2	158.3	150.4	143.5	136.7	131.5	127.0	124.3	121.0	119.1	115.9
67.5°	141.9	134.2	126.7	120.9	115.4	110.6	106.9	102.8	100.6	99.1	96.7
70°	124.6	118.6	111.1	104.7	100.5	96.6	93.6	89.0	87.5	86.3	85.2
72.5°	108.2	102.9	96.6	91.5	87.3	83.6	80.1	78.0	76.5	75.3	74.5
75°	85.2	80.0	74.6	71.0	68.0	65.0	63.2	61.7	61.1	60.8	59.6
77.5°	62.5	59.8	55.5	52.6	50.6	49.4	47.8	47.0	47.0	45.6	45.2
80°	47.8	46.3	42.7	41.5	40.0	38.8	37.9	36.4	34.9	34.3	33.4
82.5°	35.6	34.1	32.6	30.7	29.5	28.7	27.8	27.3	27.4	26.6	26.1
85°	18.9	17.4	16.9	16.6	15.9	16.6	16.2	15.9	15.7	15.4	15.7
87.5°	6.7	6.9	6.8	7.4	6.8	7.2	7.3	7.2	7.3	7.4	7.2
90°	3.6	4.4	5.1	5.9	6.5	7.2	7.8	8.2	8.7	9.3	9.7
92.5°	13.2	13.9	14.7	15.6	16.5	17.3	18.0	18.7	19.3	20.0	20.4
95°	30.2	30.8	31.8	32.8	33.8	34.8	35.5	36.2	36.9	37.6	38.0
97.5°	49.1	49.8	51.3	52.6	54.0	55.4	56.1	56.7	57.4	58.1	58.5
100°	63.3	63.9	65.2	66.5	67.8	69.2	70.0	71.0	71.9	72.7	73.3
102.5°	80.4	81.0	81.6	82.3	82.9	83.6	84.6	85.6	86.6	87.5	88.2
105°	105.0	105.6	106.2	106.8	107.4	108.0	108.6	109.2	109.8	110.4	110.9
107.5°	131.8	132.3	132.8	133.2	133.6	134.1	134.4	134.8	135.1	135.3	135.5
110°	150.3	150.7	150.9	151.2	151.5	151.9	152.2	152.4	152.7	153.0	153.1



TEST NUMBER: P333527-927

CATALOG NUMBER: S125RDIP-S610D590U927-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	168.1	168.4	168.8	169.1	169.5	169.9	170.1	170.2	170.3	170.5	170.5
115°	196.4	196.7	196.9	197.1	197.3	197.5	197.4	197.3	197.2	197.1	197.0
117.5°	223.3	223.6	223.7	223.9	224.0	224.3	224.3	224.4	224.5	224.6	224.4
120°	242.0	242.2	242.4	242.5	242.6	242.6	242.6	242.6	242.6	242.6	242.5
122.5°	259.5	259.7	260.0	260.2	260.5	260.8	260.7	260.6	260.5	260.5	260.2
125°	286.7	287.0	287.1	287.2	287.3	287.4	287.2	287.0	286.8	286.6	286.5
127.5°	312.8	313.0	313.1	313.2	313.3	313.5	313.4	313.2	313.1	313.1	312.9
130°	329.6	330.0	330.2	330.4	330.6	330.8	330.7	330.6	330.5	330.4	330.3
132.5°	347.2	347.6	347.5	347.5	347.5	347.5	347.4	347.2	347.1	347.1	346.8
135°	372.1	372.4	372.6	372.6	372.7	372.8	372.8	372.8	372.8	372.8	372.6
137.5°	396.2	396.6	396.9	397.0	397.3	397.5	397.6	397.8	397.8	398.0	397.8
140°	411.5	411.9	412.2	412.5	412.7	413.0	413.3	413.4	413.7	413.8	413.7
142.5°	426.7	427.1	427.5	427.9	428.3	428.6	428.7	428.8	429.0	429.0	428.9
145°	449.5	449.8	450.1	450.4	450.8	451.0	451.0	451.0	451.0	451.0	450.8
147.5°	469.9	470.1	470.3	470.6	470.9	471.1	471.3	471.6	471.8	472.1	471.8
150°	482.7	482.8	483.2	483.6	484.0	484.4	484.4	484.4	484.4	484.4	484.3
152.5°	495.2	495.4	495.5	495.7	495.8	496.1	496.3	496.5	496.8	497.0	496.9
155°	512.5	512.5	512.6	512.7	512.9	512.9	513.3	513.7	514.1	514.5	514.5
157.5°	527.5	527.4	527.5	527.7	527.8	527.8	528.2	528.6	529.0	529.4	529.3
160°	536.5	536.5	536.5	536.7	536.8	536.9	537.3	537.7	538.1	538.4	538.4
162.5°	545.2	545.1	545.1	545.2	545.2	545.2	545.7	546.1	546.6	547.2	547.1
165°	556.4	556.3	556.4	556.6	556.7	556.7	557.1	557.5	557.9	558.4	558.3
167.5°	565.0	564.8	564.8	564.8	564.8	564.8	565.4	566.0	566.6	567.2	567.2
170°	570.1	569.9	569.9	569.9	569.9	569.9	570.5	571.1	571.6	572.3	572.2
172.5°	573.7	573.5	573.5	573.5	573.5	573.5	574.1	574.7	575.3	575.9	575.9
175°	577.7	577.6	577.6	577.6	577.6	577.6	578.1	578.8	579.3	580.0	579.9
177.5°	580.1	580.0	579.9	579.8	579.7	579.6	580.1	580.6	581.1	581.5	581.5
180°	580.7	580.7	580.7	580.7	580.7	580.7	580.7	580.7	580.7	580.7	580.7



TEST NUMBER: P333527-927

CATALOG NUMBER: S125RDIP-S610D590U927-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	733.1	733.1	733.1	733.1	733.1	733.1	733.1	733.1	733.1	733.1	733.1
2.5°	702.3	699.6	698.9	699.8	698.9	699.6	702.3	702.5	702.7	704.6	702.0
5°	647.9	644.9	646.4	645.8	646.4	644.9	647.9	650.9	651.5	654.2	656.0
7.5°	600.1	596.4	592.4	593.7	592.4	596.4	600.1	600.2	604.8	608.3	610.7
10°	566.6	563.6	561.8	563.3	561.8	563.6	566.6	570.5	572.4	576.6	581.1
12.5°	538.4	536.7	535.1	534.5	535.1	536.7	538.4	542.6	546.8	551.8	556.7
15°	500.1	496.5	495.0	491.2	495.0	496.5	500.1	503.7	511.9	514.0	521.5
17.5°	464.8	463.6	459.7	458.0	459.7	463.6	464.8	467.9	471.6	479.3	485.1
20°	443.9	442.7	438.8	441.2	438.8	442.7	443.9	448.4	451.4	457.7	463.1
22.5°	426.5	423.9	422.6	421.9	422.6	423.9	426.5	428.6	432.6	438.5	444.6
25°	402.0	398.2	396.6	394.8	396.6	398.2	402.0	403.2	407.4	413.2	416.5
27.5°	377.6	375.5	373.5	373.0	373.5	375.5	377.6	379.3	382.9	387.9	394.0
30°	361.7	359.6	358.1	358.1	358.1	359.6	361.7	365.4	368.0	372.6	377.1
32.5°	347.5	345.9	344.4	344.1	344.4	345.9	347.5	349.4	352.6	357.6	362.3
35°	326.8	324.4	323.8	322.0	323.8	324.4	326.8	328.3	331.6	335.3	339.1
37.5°	305.3	303.3	303.2	303.1	303.2	303.3	305.3	308.0	310.8	314.0	318.8
40°	291.6	290.1	289.8	287.7	289.8	290.1	291.6	292.8	295.8	300.0	303.6
42.5°	276.9	276.2	275.1	274.2	275.1	276.2	276.9	279.3	281.9	284.9	289.5
45°	257.0	254.9	254.9	253.4	254.9	254.9	257.0	259.1	260.3	263.9	269.9
47.5°	236.4	234.8	235.0	233.4	235.0	234.8	236.4	237.1	239.0	242.6	245.9
50°	222.7	221.8	221.5	220.9	221.5	221.8	222.7	222.4	224.8	228.1	232.6
52.5°	209.0	208.6	209.7	208.3	209.7	208.6	209.0	209.6	211.3	213.4	217.7
55°	190.5	189.6	191.4	189.6	191.4	189.6	190.5	189.9	190.5	192.6	195.3
57.5°	169.2	168.4	170.0	169.1	170.0	168.4	169.2	169.4	171.2	171.5	173.9
60°	155.3	153.4	154.4	154.7	154.4	153.4	155.3	155.9	156.5	156.8	159.2
62.5°	138.6	137.6	138.2	136.9	138.2	137.6	138.6	140.0	141.3	142.8	144.3
65°	115.3	114.4	113.1	112.6	113.1	114.4	115.3	115.9	119.1	121.0	124.3
67.5°	96.8	94.7	94.6	95.1	94.6	94.7	96.8	96.7	99.1	100.6	102.8
70°	83.3	83.3	83.0	83.0	83.0	83.3	83.3	85.2	86.3	87.5	89.0
72.5°	74.0	73.8	73.2	73.0	73.2	73.8	74.0	74.5	75.3	76.5	78.0
75°	59.6	59.9	59.3	59.0	59.3	59.9	59.6	59.6	60.8	61.1	61.7
77.5°	44.0	42.7	43.4	42.7	43.4	42.7	44.0	45.2	45.6	47.0	47.0
80°	33.4	33.1	34.0	33.1	34.0	33.1	33.4	33.4	34.3	34.9	36.4
82.5°	26.5	26.1	26.5	25.9	26.5	26.1	26.5	26.1	26.6	27.4	27.3
85°	15.9	15.7	15.4	15.7	15.4	15.7	15.9	15.7	15.4	15.7	15.9
87.5°	7.5	7.4	7.4	7.4	7.4	7.4	7.5	7.2	7.4	7.3	7.2
90°	10.0	10.2	10.5	10.9	10.5	10.2	10.0	9.7	9.3	8.7	8.2
92.5°	20.7	20.9	21.1	21.3	21.1	20.9	20.7	20.4	20.0	19.3	18.7
95°	38.3	38.5	38.7	38.9	38.7	38.5	38.3	38.0	37.6	36.9	36.2
97.5°	58.5	58.7	58.8	58.9	58.8	58.7	58.5	58.5	58.1	57.4	56.7
100°	73.5	73.8	73.9	74.1	73.9	73.8	73.5	73.3	72.7	71.9	71.0
102.5°	88.5	88.7	89.0	89.3	89.0	88.7	88.5	88.2	87.5	86.6	85.6
105°	111.1	111.5	111.8	112.1	111.8	111.5	111.1	110.9	110.4	109.8	109.2
107.5°	135.5	135.5	135.4	135.4	135.4	135.5	135.5	135.5	135.3	135.1	134.8
110°	153.0	153.0	152.8	152.7	152.8	153.0	153.0	153.1	153.0	152.7	152.4



TEST NUMBER: P333527-927

CATALOG NUMBER: S125RDIP-S610D590U927-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	170.3	170.1	169.9	169.8	169.9	170.1	170.3	170.5	170.5	170.3	170.2
115°	196.9	196.8	196.7	196.6	196.7	196.8	196.9	197.0	197.1	197.2	197.3
117.5°	224.0	223.6	223.2	222.8	223.2	223.6	224.0	224.4	224.6	224.5	224.4
120°	242.1	241.7	241.3	240.9	241.3	241.7	242.1	242.5	242.6	242.6	242.6
122.5°	259.9	259.6	259.3	259.0	259.3	259.6	259.9	260.2	260.5	260.5	260.6
125°	286.4	286.3	286.1	286.1	286.1	286.3	286.4	286.5	286.6	286.8	287.0
127.5°	312.7	312.5	312.3	312.1	312.3	312.5	312.7	312.9	313.1	313.1	313.2
130°	330.0	329.9	329.6	329.5	329.6	329.9	330.0	330.3	330.4	330.5	330.6
132.5°	346.6	346.3	346.0	345.7	346.0	346.3	346.6	346.8	347.1	347.1	347.2
135°	372.2	371.9	371.5	371.1	371.5	371.9	372.2	372.6	372.8	372.8	372.8
137.5°	397.3	396.8	396.3	395.8	396.3	396.8	397.3	397.8	398.0	397.8	397.8
140°	413.2	412.7	412.2	411.7	412.2	412.7	413.2	413.7	413.8	413.7	413.4
142.5°	428.4	427.9	427.4	426.9	427.4	427.9	428.4	428.9	429.0	429.0	428.8
145°	450.6	450.3	450.0	449.6	450.0	450.3	450.6	450.8	451.0	451.0	451.0
147.5°	471.1	470.5	469.8	469.1	469.8	470.5	471.1	471.8	472.1	471.8	471.6
150°	484.2	483.9	483.8	483.5	483.8	483.9	484.2	484.3	484.4	484.4	484.4
152.5°	496.5	496.2	495.8	495.5	495.8	496.2	496.5	496.9	497.0	496.8	496.5
155°	514.0	513.5	512.9	512.5	512.9	513.5	514.0	514.5	514.5	514.1	513.7
157.5°	528.6	528.0	527.4	526.6	527.4	528.0	528.6	529.3	529.4	529.0	528.6
160°	538.0	537.4	536.9	536.5	536.9	537.4	538.0	538.4	538.4	538.1	537.7
162.5°	546.5	545.9	545.3	544.7	545.3	545.9	546.5	547.1	547.2	546.6	546.1
165°	557.7	557.1	556.4	555.9	556.4	557.1	557.7	558.3	558.4	557.9	557.5
167.5°	566.6	565.9	565.3	564.7	565.3	565.9	566.6	567.2	567.2	566.6	566.0
170°	571.6	570.8	570.1	569.4	570.1	570.8	571.6	572.2	572.3	571.6	571.1
172.5°	575.3	574.6	574.0	573.4	574.0	574.6	575.3	575.9	575.9	575.3	574.7
175°	579.2	578.5	577.8	577.1	577.8	578.5	579.2	579.9	580.0	579.3	578.8
177.5°	581.0	580.4	579.8	579.2	579.8	580.4	581.0	581.5	581.5	581.1	580.6
180°	580.7	580.7	580.7	580.7	580.7	580.7	580.7	580.7	580.7	580.7	580.7



TEST NUMBER: P333527-927

CATALOG NUMBER: S125RDIP-S610D590U927-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	733.1	733.1	733.1	733.1	733.1	733.1	733.1	733.1	733.1	733.1	733.1
2.5°	702.7	705.4	706.8	710.2	715.0	717.4	720.8	723.2	726.6	730.6	734.0
5°	657.2	664.5	669.2	676.8	683.7	690.6	699.3	705.7	714.1	723.7	731.3
7.5°	615.0	624.0	632.0	641.9	653.4	662.3	673.7	685.2	698.5	712.1	725.0
10°	588.0	597.1	607.0	619.3	630.7	642.8	656.3	669.9	686.4	701.8	719.2
12.5°	561.3	571.2	582.4	596.2	610.1	625.4	639.2	654.4	672.2	692.1	710.8
15°	528.1	537.7	549.8	561.5	577.5	594.3	612.7	632.9	652.7	675.0	698.2
17.5°	492.6	503.1	516.4	530.0	546.8	566.5	584.6	606.6	628.9	654.9	682.1
20°	469.4	480.3	495.9	511.0	526.3	545.6	567.0	589.5	613.3	640.6	671.1
22.5°	451.1	458.8	474.3	489.6	507.6	527.3	548.2	571.7	597.6	626.0	657.8
25°	424.0	433.0	444.2	460.1	478.8	499.6	520.6	545.6	573.9	602.8	636.8
27.5°	399.9	407.3	418.3	430.8	449.4	471.0	493.4	519.4	548.4	577.8	613.6
30°	382.8	390.9	401.4	414.7	429.4	452.9	475.8	501.4	530.8	561.3	597.9
32.5°	367.9	376.2	385.3	397.8	413.8	434.6	458.2	483.3	513.3	544.6	580.4
35°	347.0	352.7	361.1	373.4	389.1	405.9	430.0	456.5	485.7	518.2	554.0
37.5°	323.1	330.4	338.8	349.5	363.2	381.4	403.9	430.6	457.7	488.9	521.5
40°	309.0	316.0	325.3	333.1	347.6	364.1	384.6	412.6	439.7	468.8	498.6
42.5°	294.9	301.5	309.4	319.2	332.2	348.2	367.3	393.3	422.3	449.8	474.8
45°	272.7	279.6	287.1	296.1	308.2	323.8	342.8	366.5	391.8	417.1	436.0
47.5°	251.4	257.9	265.0	274.3	285.3	300.5	317.4	338.4	363.0	384.4	398.0
50°	236.2	242.2	250.1	259.1	269.9	284.1	300.3	321.1	341.6	361.1	373.4
52.5°	221.3	228.1	235.8	243.7	254.1	268.2	283.2	301.1	320.6	336.5	346.7
55°	198.9	205.3	212.5	220.5	230.8	242.9	258.8	272.9	288.3	301.8	307.8
57.5°	177.3	182.8	189.6	198.0	207.3	218.5	231.1	244.7	255.6	265.1	272.0
60°	163.1	167.9	174.2	181.5	191.4	201.6	213.0	225.7	234.1	242.2	248.6
62.5°	148.7	153.2	159.3	165.8	174.5	184.0	195.0	205.3	213.4	218.9	226.2
65°	127.0	131.5	136.7	143.5	150.4	158.3	168.2	175.7	181.5	187.5	192.0
67.5°	106.9	110.6	115.4	120.9	126.7	134.2	141.9	148.1	152.1	155.7	161.1
70°	93.6	96.6	100.5	104.7	111.1	118.6	124.6	129.4	132.1	135.7	142.4
72.5°	80.1	83.6	87.3	91.5	96.6	102.9	108.2	113.0	114.8	117.6	121.8
75°	63.2	65.0	68.0	71.0	74.6	80.0	85.2	86.3	87.9	90.3	93.3
77.5°	47.8	49.4	50.6	52.6	55.5	59.8	62.5	64.3	64.7	65.6	68.5
80°	37.9	38.8	40.0	41.5	42.7	46.3	47.8	49.7	50.2	51.2	52.7
82.5°	27.8	28.7	29.5	30.7	32.6	34.1	35.6	37.4	37.5	38.2	38.4
85°	16.2	16.6	15.9	16.6	16.9	17.4	18.9	20.4	20.2	19.9	20.8
87.5°	7.3	7.2	6.8	7.4	6.8	6.9	6.7	6.8	7.1	7.4	7.8
90°	7.8	7.2	6.5	5.9	5.1	4.4	3.6	2.9	2.1	1.3	0.5
92.5°	18.0	17.3	16.5	15.6	14.7	13.9	13.2	12.6	12.0	11.5	10.9
95°	35.5	34.8	33.8	32.8	31.8	30.8	30.2	29.9	29.8	29.5	29.4
97.5°	56.1	55.4	54.0	52.6	51.3	49.8	49.1	49.0	49.0	48.9	48.8
100°	70.0	69.2	67.8	66.5	65.2	63.9	63.3	63.3	63.3	63.3	63.3
102.5°	84.6	83.6	82.9	82.3	81.6	81.0	80.4	80.0	79.6	79.2	78.8
105°	108.6	108.0	107.4	106.8	106.2	105.6	105.0	104.6	104.0	103.5	103.1
107.5°	134.4	134.1	133.6	133.2	132.8	132.3	131.8	131.3	130.8	130.3	129.8
110°	152.2	151.9	151.5	151.2	150.9	150.7	150.3	149.7	149.2	148.7	148.2



TEST NUMBER: P333527-927

CATALOG NUMBER: S125RDIP-S610D590U927-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	170.1	169.9	169.5	169.1	168.8	168.4	168.1	167.8	167.5	167.3	167.0
115°	197.4	197.5	197.3	197.1	196.9	196.7	196.4	196.0	195.6	195.2	194.8
117.5°	224.3	224.3	224.0	223.9	223.7	223.6	223.3	223.2	223.0	222.8	222.6
120°	242.6	242.6	242.6	242.5	242.4	242.2	242.0	241.5	241.0	240.5	240.0
122.5°	260.7	260.8	260.5	260.2	260.0	259.7	259.5	259.3	259.1	259.0	258.8
125°	287.2	287.4	287.3	287.2	287.1	287.0	286.7	286.1	285.4	284.9	284.2
127.5°	313.4	313.5	313.3	313.2	313.1	313.0	312.8	312.4	312.0	311.7	311.4
130°	330.7	330.8	330.6	330.4	330.2	330.0	329.6	329.2	328.7	328.1	327.6
132.5°	347.4	347.5	347.5	347.5	347.5	347.6	347.2	346.3	345.5	344.8	343.9
135°	372.8	372.8	372.7	372.6	372.6	372.4	372.1	371.5	370.9	370.3	369.6
137.5°	397.6	397.5	397.3	397.0	396.9	396.6	396.2	395.6	395.1	394.5	393.9
140°	413.3	413.0	412.7	412.5	412.2	411.9	411.5	410.9	410.4	410.0	409.4
142.5°	428.7	428.6	428.3	427.9	427.5	427.1	426.7	426.3	425.8	425.4	425.0
145°	451.0	451.0	450.8	450.4	450.1	449.8	449.5	449.1	448.7	448.2	447.8
147.5°	471.3	471.1	470.9	470.6	470.3	470.1	469.9	469.7	469.4	469.2	469.0
150°	484.4	484.4	484.0	483.6	483.2	482.8	482.7	482.8	482.9	483.0	483.1
152.5°	496.3	496.1	495.8	495.7	495.5	495.4	495.2	495.1	495.0	494.8	494.6
155°	513.3	512.9	512.9	512.7	512.6	512.5	512.5	512.5	512.5	512.5	512.5
157.5°	528.2	527.8	527.8	527.7	527.5	527.4	527.5	527.8	527.9	528.1	528.4
160°	537.3	536.9	536.8	536.7	536.5	536.5	536.5	536.9	537.2	537.5	537.8
162.5°	545.7	545.2	545.2	545.2	545.1	545.1	545.2	545.4	545.7	545.9	546.1
165°	557.1	556.7	556.7	556.6	556.4	556.3	556.4	556.6	556.8	557.0	557.2
167.5°	565.4	564.8	564.8	564.8	564.8	564.8	565.0	565.4	565.8	566.3	566.6
170°	570.5	569.9	569.9	569.9	569.9	569.9	570.1	570.5	570.8	571.2	571.6
172.5°	574.1	573.5	573.5	573.5	573.5	573.5	573.7	574.1	574.5	574.9	575.3
175°	578.1	577.6	577.6	577.6	577.6	577.6	577.7	578.1	578.5	578.9	579.3
177.5°	580.1	579.6	579.7	579.8	579.9	580.0	580.1	580.5	580.8	581.1	581.5
180°	580.7	580.7	580.7	580.7	580.7	580.7	580.7	580.7	580.7	580.7	580.7



TEST NUMBER: P333527-927

CATALOG NUMBER: S125RDIP-S610D590U927-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	733.1	733.1	733.1	733.1	733.1	733.1	733.1	733.1	733.1	733.1	733.1
2.5°	736.7	738.9	742.0	745.6	748.5	751.6	753.3	753.3	754.7	757.9	761.9
5°	738.8	746.6	754.2	763.7	771.3	780.0	786.6	793.0	798.7	805.9	813.4
7.5°	738.2	751.1	764.7	779.9	796.6	809.9	823.6	834.3	844.9	858.7	869.7
10°	735.8	752.7	771.0	790.2	811.3	829.7	846.2	861.3	875.7	890.7	904.3
12.5°	731.4	752.9	775.3	798.4	825.1	846.1	867.4	883.4	900.2	916.7	933.4
15°	724.9	750.2	777.3	809.5	842.0	865.5	886.5	907.3	923.0	941.6	957.6
17.5°	711.5	744.1	778.2	813.3	844.5	871.9	893.9	913.7	930.3	950.9	972.6
20°	703.5	738.8	774.3	811.9	841.7	869.7	891.0	911.5	932.2	959.1	985.6
22.5°	692.5	730.1	767.8	803.5	835.0	862.0	884.1	909.1	936.4	966.8	998.8
25°	675.0	713.8	751.1	785.1	815.8	843.5	873.6	907.3	940.4	980.4	1026.4
27.5°	652.8	690.2	723.5	759.4	790.0	825.1	862.7	899.2	947.0	1002.0	1059.5
30°	636.1	671.7	703.3	737.3	771.9	810.7	852.9	895.9	952.8	1017.4	1085.8
32.5°	616.9	649.0	680.4	713.2	753.1	795.7	840.6	893.2	961.2	1034.7	1105.5
35°	583.5	612.4	642.8	679.2	721.6	767.9	825.1	889.2	971.4	1050.5	1114.0
37.5°	548.5	571.2	601.8	640.2	686.4	740.1	804.9	882.8	967.2	1038.2	1065.2
40°	521.5	542.9	575.0	615.4	661.2	719.9	792.7	872.7	957.6	1006.9	1004.8
42.5°	494.8	516.4	547.4	588.0	635.6	701.3	776.3	859.4	931.1	949.8	910.7
45°	453.8	474.0	504.4	545.3	596.4	665.4	744.2	823.9	869.7	839.3	761.7
47.5°	412.0	431.6	459.8	499.9	555.7	627.9	702.4	767.9	774.3	709.0	615.8
50°	384.6	402.9	429.8	472.5	526.6	597.1	669.0	720.4	704.5	624.7	528.7
52.5°	357.8	375.5	400.6	440.9	496.3	565.3	629.5	669.9	633.0	548.2	461.8
55°	318.4	335.3	360.5	397.5	447.7	511.0	567.3	582.0	527.8	442.4	372.6
57.5°	280.9	293.2	318.2	350.9	399.4	455.1	495.4	492.8	433.0	356.1	306.0
60°	256.1	267.2	291.0	321.1	367.1	417.1	445.4	433.3	372.9	309.3	261.2
62.5°	233.0	243.4	263.3	291.0	330.6	374.0	394.6	378.0	320.8	265.1	226.8
65°	198.0	205.6	221.5	247.1	278.1	308.2	326.5	302.1	251.6	209.5	180.5
67.5°	165.3	171.8	186.0	204.4	225.8	246.5	254.0	231.1	191.8	163.4	143.1
70°	144.2	150.2	159.8	177.0	191.1	205.8	209.5	189.0	156.2	134.5	121.8
72.5°	123.9	129.4	137.9	150.0	159.8	168.3	170.0	150.9	125.9	110.9	101.2
75°	94.5	99.3	104.7	109.2	115.6	117.1	116.5	101.7	88.2	78.3	72.8
77.5°	69.5	71.5	74.8	76.5	76.8	76.8	73.7	64.3	57.4	53.2	51.0
80°	53.6	55.1	56.0	56.6	56.9	53.9	50.5	44.8	42.5	40.0	37.3
82.5°	38.9	39.9	40.8	41.0	39.3	36.8	33.7	30.9	29.2	28.0	26.9
85°	21.1	21.4	21.1	19.6	17.4	16.6	15.9	15.4	15.1	14.7	14.7
87.5°	7.7	7.1	6.1	6.5	6.7	6.6	6.7	6.6	6.5	6.6	6.7
90°	1.3	2.1	2.9	3.6	4.4	5.1	5.9	6.5	7.2	7.8	8.2
92.5°	11.5	12.0	12.6	13.2	13.9	14.7	15.6	16.5	17.3	18.0	18.7
95°	29.5	29.8	29.9	30.2	30.8	31.8	32.8	33.8	34.8	35.5	36.2
97.5°	48.9	49.0	49.0	49.1	49.8	51.3	52.6	54.0	55.4	56.1	56.7
100°	63.3	63.3	63.3	63.3	63.9	65.2	66.5	67.8	69.2	70.0	71.0
102.5°	79.2	79.6	80.0	80.4	81.0	81.6	82.3	82.9	83.6	84.6	85.6
105°	103.5	104.0	104.6	105.0	105.6	106.2	106.8	107.4	108.0	108.6	109.2
107.5°	130.3	130.8	131.3	131.8	132.3	132.8	133.2	133.6	134.1	134.4	134.8
110°	148.7	149.2	149.7	150.3	150.7	150.9	151.2	151.5	151.9	152.2	152.4



TEST NUMBER: P333527-927

CATALOG NUMBER: S125RDIP-S610D590U927-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	167.3	167.5	167.8	168.1	168.4	168.8	169.1	169.5	169.9	170.1	170.2
115°	195.2	195.6	196.0	196.4	196.7	196.9	197.1	197.3	197.5	197.4	197.3
117.5°	222.8	223.0	223.2	223.3	223.6	223.7	223.9	224.0	224.3	224.3	224.4
120°	240.5	241.0	241.5	242.0	242.2	242.4	242.5	242.6	242.6	242.6	242.6
122.5°	259.0	259.1	259.3	259.5	259.7	260.0	260.2	260.5	260.8	260.7	260.6
125°	284.9	285.4	286.1	286.7	287.0	287.1	287.2	287.3	287.4	287.2	287.0
127.5°	311.7	312.0	312.4	312.8	313.0	313.1	313.2	313.3	313.5	313.4	313.2
130°	328.1	328.7	329.2	329.6	330.0	330.2	330.4	330.6	330.8	330.7	330.6
132.5°	344.8	345.5	346.3	347.2	347.6	347.5	347.5	347.5	347.5	347.4	347.2
135°	370.3	370.9	371.5	372.1	372.4	372.6	372.6	372.7	372.8	372.8	372.8
137.5°	394.5	395.1	395.6	396.2	396.6	396.9	397.0	397.3	397.5	397.6	397.8
140°	410.0	410.4	410.9	411.5	411.9	412.2	412.5	412.7	413.0	413.3	413.4
142.5°	425.4	425.8	426.3	426.7	427.1	427.5	427.9	428.3	428.6	428.7	428.8
145°	448.2	448.7	449.1	449.5	449.8	450.1	450.4	450.8	451.0	451.0	451.0
147.5°	469.2	469.4	469.7	469.9	470.1	470.3	470.6	470.9	471.1	471.3	471.6
150°	483.0	482.9	482.8	482.7	482.8	483.2	483.6	484.0	484.4	484.4	484.4
152.5°	494.8	495.0	495.1	495.2	495.4	495.5	495.7	495.8	496.1	496.3	496.5
155°	512.5	512.5	512.5	512.5	512.5	512.6	512.7	512.9	512.9	513.3	513.7
157.5°	528.1	527.9	527.8	527.5	527.4	527.5	527.7	527.8	527.8	528.2	528.6
160°	537.5	537.2	536.9	536.5	536.5	536.5	536.7	536.8	536.9	537.3	537.7
162.5°	545.9	545.7	545.4	545.2	545.1	545.1	545.2	545.2	545.2	545.7	546.1
165°	557.0	556.8	556.6	556.4	556.3	556.4	556.6	556.7	556.7	557.1	557.5
167.5°	566.3	565.8	565.4	565.0	564.8	564.8	564.8	564.8	564.8	565.4	566.0
170°	571.2	570.8	570.5	570.1	569.9	569.9	569.9	569.9	569.9	570.5	571.1
172.5°	574.9	574.5	574.1	573.7	573.5	573.5	573.5	573.5	573.5	574.1	574.7
175°	578.9	578.5	578.1	577.7	577.6	577.6	577.6	577.6	577.6	578.1	578.8
177.5°	581.1	580.8	580.5	580.1	580.0	579.9	579.8	579.7	579.6	580.1	580.6
180°	580.7	580.7	580.7	580.7	580.7	580.7	580.7	580.7	580.7	580.7	580.7



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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	733.1	733.1	733.1	733.1	733.1	733.1	733.1
2.5°	765.1	765.1	769.2	768.9	771.6	770.6	771.1
5°	822.4	827.5	832.0	835.0	839.6	840.8	840.2
7.5°	881.9	893.3	898.8	906.4	907.8	911.7	911.3
10°	918.7	929.9	938.3	944.9	948.2	952.4	952.8
12.5°	947.6	957.0	964.6	970.7	974.7	976.0	976.8
15°	970.2	980.7	989.4	998.1	1003.3	1007.2	1009.3
17.5°	992.9	1009.2	1024.6	1036.5	1043.5	1049.6	1049.5
20°	1010.5	1029.2	1048.5	1062.0	1075.8	1081.8	1082.8
22.5°	1029.3	1057.8	1082.6	1103.6	1121.8	1128.1	1130.4
25°	1068.3	1105.6	1143.8	1173.3	1194.4	1206.7	1208.6
27.5°	1115.4	1165.9	1206.1	1233.3	1250.9	1260.0	1261.9
30°	1148.7	1195.2	1231.4	1251.9	1260.0	1261.2	1256.6
32.5°	1163.6	1198.4	1212.8	1211.6	1195.7	1185.1	1181.1
35°	1145.3	1138.1	1102.9	1060.7	1028.6	1008.1	1002.7
37.5°	1042.3	980.0	915.2	851.6	817.7	800.5	770.9
40°	940.7	851.9	784.5	730.9	692.8	662.0	654.8
42.5°	826.1	734.4	667.0	621.2	590.7	569.6	560.5
45°	663.8	585.0	529.3	494.1	470.6	455.3	448.4
47.5°	530.9	469.9	429.4	403.3	385.4	372.1	368.4
50°	458.0	409.2	374.9	353.0	339.5	329.2	325.0
52.5°	397.8	358.5	332.1	314.0	301.2	294.8	291.3
55°	328.3	294.3	275.4	260.9	253.7	248.6	246.1
57.5°	268.5	243.9	230.0	220.1	213.4	210.2	209.0
60°	235.0	215.8	203.1	195.3	190.8	186.6	185.4
62.5°	205.4	190.3	180.5	173.6	169.1	167.3	166.6
65°	165.5	155.6	148.4	144.2	140.5	139.9	139.7
67.5°	131.6	125.7	121.9	117.6	116.3	114.2	113.8
70°	112.6	108.6	104.1	102.6	101.1	99.0	99.3
72.5°	95.5	91.6	88.5	86.5	86.0	85.1	85.8
75°	69.8	68.6	67.4	65.9	65.3	65.3	65.0
77.5°	49.8	48.8	47.5	46.6	46.4	45.2	45.6
80°	36.1	34.6	34.0	34.3	33.4	33.1	33.1
82.5°	26.7	26.1	25.6	25.7	25.4	25.2	25.4
85°	14.7	14.4	14.4	14.2	14.2	13.9	13.9
87.5°	7.1	7.4	7.0	6.8	6.9	7.1	7.4
90°	8.7	9.3	9.7	10.0	10.2	10.5	10.9
92.5°	19.3	20.0	20.4	20.7	20.9	21.1	21.3
95°	36.9	37.6	38.0	38.3	38.5	38.7	38.9
97.5°	57.4	58.1	58.5	58.5	58.7	58.8	58.9
100°	71.9	72.7	73.3	73.5	73.8	73.9	74.1
102.5°	86.6	87.5	88.2	88.5	88.7	89.0	89.3
105°	109.8	110.4	110.9	111.1	111.5	111.8	112.1
107.5°	135.1	135.3	135.5	135.5	135.5	135.4	135.4
110°	152.7	153.0	153.1	153.0	153.0	152.8	152.7



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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
112.5°	170.3	170.5	170.5	170.3	170.1	169.9	169.8
115°	197.2	197.1	197.0	196.9	196.8	196.7	196.6
117.5°	224.5	224.6	224.4	224.0	223.6	223.2	222.8
120°	242.6	242.6	242.5	242.1	241.7	241.3	240.9
122.5°	260.5	260.5	260.2	259.9	259.6	259.3	259.0
125°	286.8	286.6	286.5	286.4	286.3	286.1	286.1
127.5°	313.1	313.1	312.9	312.7	312.5	312.3	312.1
130°	330.5	330.4	330.3	330.0	329.9	329.6	329.5
132.5°	347.1	347.1	346.8	346.6	346.3	346.0	345.7
135°	372.8	372.8	372.6	372.2	371.9	371.5	371.1
137.5°	397.8	398.0	397.8	397.3	396.8	396.3	395.8
140°	413.7	413.8	413.7	413.2	412.7	412.2	411.7
142.5°	429.0	429.0	428.9	428.4	427.9	427.4	426.9
145°	451.0	451.0	450.8	450.6	450.3	450.0	449.6
147.5°	471.8	472.1	471.8	471.1	470.5	469.8	469.1
150°	484.4	484.4	484.3	484.2	483.9	483.8	483.5
152.5°	496.8	497.0	496.9	496.5	496.2	495.8	495.5
155°	514.1	514.5	514.5	514.0	513.5	512.9	512.5
157.5°	529.0	529.4	529.3	528.6	528.0	527.4	526.6
160°	538.1	538.4	538.4	538.0	537.4	536.9	536.5
162.5°	546.6	547.2	547.1	546.5	545.9	545.3	544.7
165°	557.9	558.4	558.3	557.7	557.1	556.4	555.9
167.5°	566.6	567.2	567.2	566.6	565.9	565.3	564.7
170°	571.6	572.3	572.2	571.6	570.8	570.1	569.4
172.5°	575.3	575.9	575.9	575.3	574.6	574.0	573.4
175°	579.3	580.0	579.9	579.2	578.5	577.8	577.1
177.5°	581.1	581.5	581.5	581.0	580.4	579.8	579.2
180°	580.7	580.7	580.7	580.7	580.7	580.7	580.7

(END OF REPORT)