

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: P332246-927

Luminaire Tested: **S123RDIP-S340D585U927-4F0-1E-UDD-A**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P332246-927  
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1807-864-5,  
Test Lab: INNOVATION CENTER  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: NEO-RAY  
Catalog Number: S123RDIP-S340D585U927-4F0-1E-UDD-A  
Description: DEFINE 3 DIRECT-INDIRECT PENDANT LED LUMINAIRE  
DOWNLIGHT 340 LUMENS PER FOOT, ASYMMETRIC DIFFUSER, REGRESSED HOUSING  
UPLIGHT 585 LUMENS PER FOOT, NO LENS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2929.8 lumens  
Efficiency: N/A  
Efficacy: 114.4 lumens/watt  
Spacing Criteria (0/90/45): 1.21 / 1.22 / 1.36  
Luminous Opening: Rectangular (W 4' x L: 0.25' x H: 0')  
CIE Type: Semi-Indirect

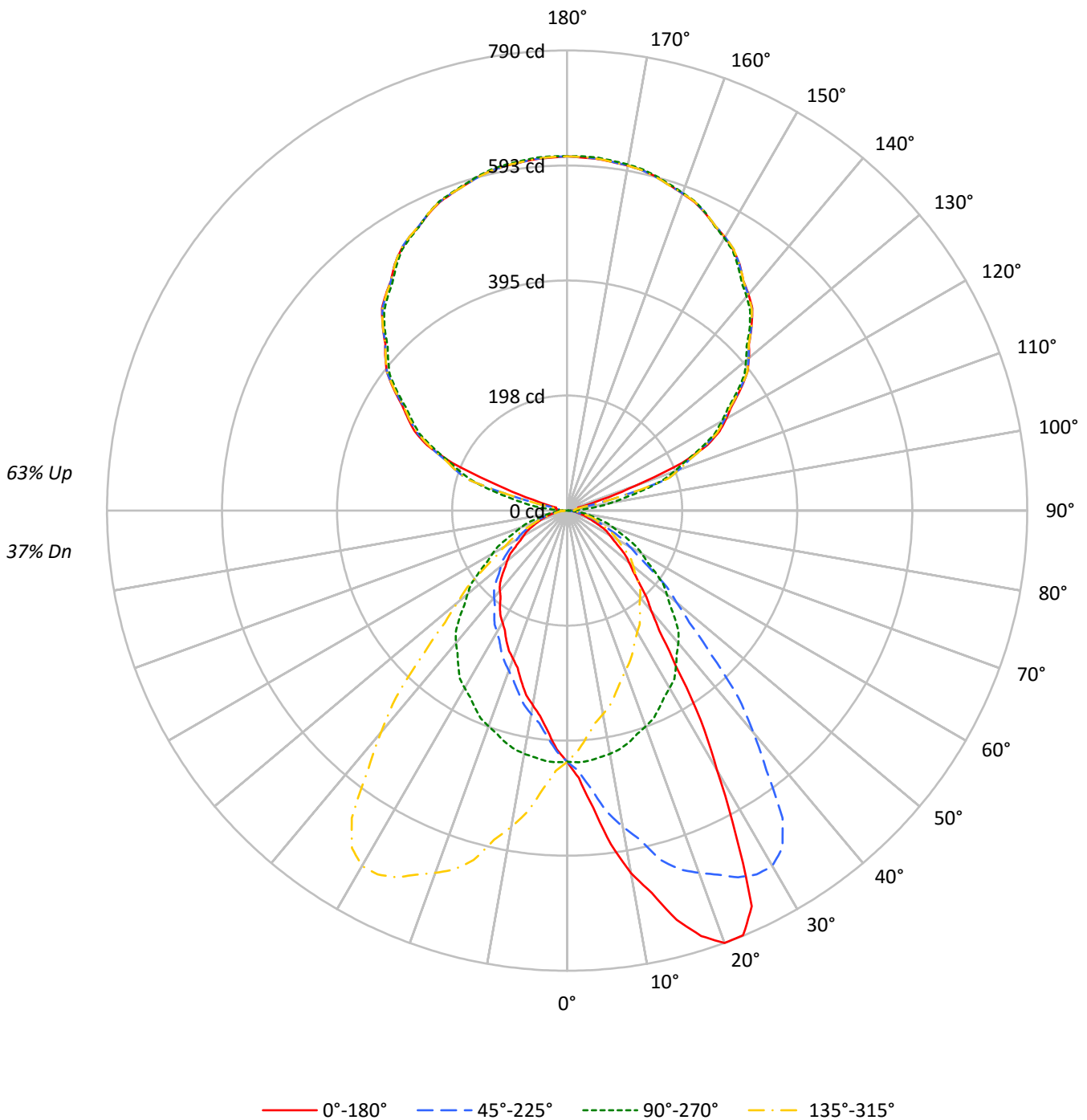
Input Watts (W): 25.6  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	104	104	104	104	94	94	94	94	76	76	76	59	59	59	44	44	44	37
1	95	91	87	84	86	83	80	77	67	65	63	53	51	50	39	39	38	32
2	87	80	74	69	79	73	68	64	59	56	53	47	44	42	35	34	33	27
3	80	71	64	58	72	64	59	54	53	48	45	42	39	36	32	30	28	24
4	73	63	55	50	66	57	51	46	47	42	39	37	34	31	28	26	25	21
5	67	56	48	43	61	51	45	40	42	37	33	34	30	27	26	24	22	18
6	62	50	43	37	56	46	39	34	38	33	29	31	27	24	24	21	19	16
7	57	45	38	33	52	42	35	30	35	30	26	28	24	21	22	19	17	14
8	53	41	34	29	48	38	31	27	32	27	23	26	22	19	20	17	15	13
9	49	38	30	26	45	35	28	24	29	24	21	23	20	17	18	16	14	12
10	46	34	28	23	42	32	26	21	27	22	19	22	18	16	17	15	13	11

**AVERAGE LUMINANCE (cd/sqm):**

	0°	90°	180°	270°
0°	4640	4640	4640	4640
5°	5532	4660	4105	4660
10°	6907	4634	3707	4634
15°	8107	4586	3381	4586
20°	9049	4515	3103	4515
25°	8904	4441	2932	4441
30°	6400	4373	2757	4373
35°	4273	4282	2643	4282
40°	3147	4175	2525	4175
45°	2641	3987	2411	3987
50°	2331	3739	2251	3739
55°	2044	3457	2029	3457
60°	1819	3186	1858	3186
65°	1597	2896	1729	2896
70°	1253	2637	1580	2637
75°	1102	2304	1443	2304
80°	961	1953	1420	1953
85°	778	1581	1507	1581



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	42.4	1.4
10°-20°	132.5	4.5
20°-30°	208.1	7.1
30°-40°	217.1	7.4
40°-50°	185.8	6.3
50°-60°	141.6	4.8
60°-70°	90.8	3.1
70°-80°	43.7	1.5
80°-90°	13.3	0.5
90°-100°	22.1	0.8
100°-110°	105.4	3.6
110°-120°	253.1	8.6
120°-130°	322.3	11.0
130°-140°	344.4	11.8
140°-150°	322.0	11.0
150°-160°	259.8	8.9
160°-170°	167.7	5.7
170°-180°	57.8	2.0
0°-30°	382.9	13.1
0°-40°	600.1	20.5
0°-60°	927.5	31.7
0°-90°	1075.2	36.7
90°-120°	380.6	13.0
90°-150°	1369.4	46.7
90°-180°	1855.0	63.3
0°-180°	2929.8	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	431	431	431	431	431	
5°	512	431	380	431	512	53
15°	728	412	303	412	728	206
25°	750	374	247	374	750	322
35°	325	326	201	326	325	213
45°	174	262	158	262	174	136
55°	109	184	108	184	109	98
65°	63	114	68	114	63	62
75°	26	55	35	55	26	28
85°	6	13	12	13	6	8
90°	14	0	14	0	14	6
95°	17	28	17	28	17	14
105°	20	135	20	135	20	45
115°	266	252	266	252	266	246
125°	363	356	363	356	363	324
135°	448	443	448	443	448	345
145°	516	511	516	511	516	322
155°	562	563	562	563	562	259
165°	593	594	593	594	593	167
175°	606	608	606	608	606	58
180°	608	608	608	608	608	



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	431.1	431.1	431.1	431.1	431.1	431.1	431.1	431.1	431.1	431.1	431.1
2.5°	459.2	459.8	457.9	457.6	455.3	454.8	454.8	451.6	449.7	447.3	445.8
5°	512.0	514.9	513.4	510.2	504.6	503.3	499.8	494.2	488.0	480.2	476.6
7.5°	577.9	581.9	580.4	575.3	569.4	564.7	554.8	545.7	532.8	521.5	511.8
10°	631.9	627.7	624.4	619.4	614.0	605.4	595.0	580.8	564.4	551.4	537.1
12.5°	672.4	671.7	667.5	662.3	654.8	646.6	633.8	616.6	597.5	578.8	562.3
15°	727.5	728.6	725.9	720.6	709.8	695.2	676.0	668.8	641.5	621.2	600.9
17.5°	765.7	765.5	765.1	757.7	746.8	736.4	718.6	699.7	674.9	646.3	619.0
20°	790.0	788.1	788.5	780.1	772.1	760.0	742.7	715.2	694.9	661.9	633.6
22.5°	789.3	788.9	790.4	787.5	781.6	772.5	758.8	735.5	709.6	676.3	644.5
25°	749.7	748.2	756.9	759.3	768.7	770.4	766.3	753.6	729.0	694.7	655.4
27.5°	627.4	626.6	642.7	662.9	688.4	708.3	727.5	736.7	729.0	704.4	665.0
30°	514.9	532.3	540.4	569.6	602.1	640.8	674.8	707.0	715.0	704.3	672.0
32.5°	427.5	442.7	449.5	474.4	504.8	550.2	601.1	646.8	679.1	687.3	667.9
35°	325.2	325.3	340.9	352.0	380.0	426.7	476.2	537.4	598.3	644.5	649.3
37.5°	259.5	260.4	269.8	280.8	301.9	326.5	370.1	421.0	491.4	562.2	603.8
40°	224.0	225.7	232.7	243.6	258.7	277.4	311.3	359.3	418.0	496.9	561.3
42.5°	201.3	204.0	207.6	216.0	225.4	242.9	270.3	307.4	360.8	435.3	509.6
45°	173.5	175.0	177.8	181.6	190.1	202.2	220.7	245.7	289.9	349.9	424.3
47.5°	153.0	152.3	155.2	158.3	164.0	172.3	184.7	204.9	236.5	284.7	347.8
50°	139.2	138.9	141.0	143.4	148.8	154.9	165.0	180.3	205.4	245.3	303.1
52.5°	126.2	126.8	128.3	131.3	135.1	140.1	149.2	160.3	181.8	216.2	264.4
55°	108.9	109.5	111.5	113.1	115.9	120.9	126.6	135.9	150.6	174.6	214.3
57.5°	94.3	94.0	95.9	96.4	99.5	103.5	108.0	115.2	125.9	143.7	170.4
60°	84.5	84.0	85.6	86.9	88.6	91.9	95.6	102.6	111.1	124.2	147.1
62.5°	75.7	75.4	76.6	78.0	79.3	82.3	85.4	90.8	97.5	108.5	126.7
65°	62.7	63.3	63.8	64.4	65.1	67.0	69.9	73.7	78.3	86.0	99.1
67.5°	49.4	49.9	50.1	51.2	52.8	53.9	55.8	59.0	62.3	68.8	76.2
70°	39.8	39.7	39.8	40.4	42.5	44.4	46.9	49.3	51.3	55.9	62.2
72.5°	34.2	33.9	34.4	34.5	35.5	36.0	37.5	39.8	42.5	45.6	50.1
75°	26.5	26.5	26.5	26.5	27.3	27.6	28.2	28.8	29.7	31.2	34.5
77.5°	19.6	19.6	20.0	20.1	20.3	20.5	20.8	21.4	21.7	22.5	23.9
80°	15.5	15.7	15.5	15.7	15.7	16.1	16.2	16.8	17.0	17.9	18.5
82.5°	11.6	11.6	11.6	11.9	11.9	12.2	12.3	12.7	12.7	13.2	13.7
85°	6.3	5.9	6.3	6.1	6.5	6.1	6.3	6.7	6.7	6.8	7.6
87.5°	4.2	4.4	4.1	4.2	4.2	4.3	4.2	4.1	4.3	4.1	4.0
90°	13.5	13.4	13.2	13.0	12.8	12.4	12.0	11.6	11.2	10.9	9.5
92.5°	15.0	14.9	14.7	14.7	14.5	14.1	13.5	12.8	12.2	11.6	10.6
95°	17.2	17.2	17.2	17.2	17.2	16.8	16.1	15.4	14.7	14.0	12.9
97.5°	18.6	18.5	18.4	18.3	18.2	17.7	17.0	16.2	15.4	14.6	21.8
100°	19.0	18.9	18.8	18.7	18.5	18.1	17.3	16.5	15.7	14.9	30.6
102.5°	19.3	19.2	19.0	18.8	18.6	19.8	22.3	24.7	27.3	29.7	46.8
105°	19.9	19.6	19.5	19.3	19.1	27.9	45.6	63.4	81.2	98.9	108.0
107.5°	62.4	75.8	89.2	102.6	116.1	129.2	142.3	155.3	168.3	181.3	179.9
110°	124.2	138.6	153.0	167.3	181.6	190.5	193.8	197.2	200.4	203.7	202.6



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**CANDELA DISTRIBUTION (continued):**

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	213.2	216.2	219.2	222.3	225.3	226.8	226.7	226.6	226.6	226.6	225.5
115°	265.7	265.3	264.9	264.4	264.0	263.4	262.4	261.3	260.4	259.4	258.4
117.5°	295.2	295.1	295.0	294.9	294.9	294.4	293.6	292.8	292.0	291.1	290.7
120°	315.4	315.4	315.4	315.4	315.4	315.0	314.2	313.4	312.6	311.7	311.5
122.5°	335.3	335.2	335.1	335.0	334.9	334.6	334.1	333.5	333.0	332.4	332.0
125°	363.3	363.1	362.9	362.7	362.5	362.3	362.0	361.9	361.6	361.5	361.1
127.5°	390.2	390.4	390.6	390.8	391.0	390.9	390.6	390.3	390.0	389.7	389.2
130°	407.6	407.7	408.0	408.1	408.4	408.2	407.8	407.4	407.0	406.6	406.2
132.5°	423.4	423.7	424.0	424.3	424.6	424.5	424.1	423.7	423.3	422.9	422.6
135°	447.7	448.1	448.4	448.7	448.9	448.9	448.7	448.4	448.1	447.7	447.3
137.5°	470.6	470.8	471.0	471.2	471.4	471.3	470.8	470.3	469.8	469.4	469.1
140°	484.3	484.6	484.7	485.0	485.1	485.1	484.7	484.3	483.9	483.5	483.2
142.5°	497.0	497.3	497.6	497.9	498.1	498.1	497.8	497.5	497.2	496.9	496.5
145°	516.4	516.4	516.4	516.4	516.4	516.3	516.1	515.9	515.7	515.6	515.3
147.5°	530.9	531.4	531.8	532.3	532.7	532.9	532.7	532.5	532.3	532.1	531.9
150°	541.8	542.0	542.3	542.6	543.0	543.0	542.8	542.6	542.4	542.2	542.0
152.5°	550.4	550.9	551.4	551.8	552.2	552.3	551.9	551.6	551.2	550.9	550.7
155°	562.5	563.2	563.7	564.4	564.9	565.0	564.5	564.0	563.5	563.0	562.8
157.5°	572.7	573.5	574.3	575.0	575.8	576.0	575.4	574.7	574.2	573.5	573.6
160°	579.2	580.0	580.7	581.4	582.0	582.1	581.5	580.9	580.3	579.7	579.8
162.5°	585.4	586.0	586.6	587.2	587.9	587.9	587.2	586.5	585.8	585.1	585.2
165°	592.8	593.5	594.2	594.9	595.6	595.6	594.8	594.0	593.2	592.3	592.5
167.5°	598.1	599.0	599.8	600.6	601.3	601.3	600.6	599.8	599.0	598.1	598.1
170°	601.3	602.2	603.0	603.8	604.6	604.6	603.8	603.0	602.2	601.3	601.3
172.5°	603.2	604.0	605.0	605.9	606.7	606.7	605.9	605.1	604.4	603.6	603.5
175°	605.9	606.7	607.5	608.3	609.1	609.2	608.5	607.8	607.0	606.3	606.3
177.5°	606.7	607.5	608.3	609.1	609.9	610.0	609.3	608.7	608.1	607.4	607.4
180°	608.2	608.2	608.2	608.2	608.2	608.2	608.2	608.2	608.2	608.2	608.2



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**CANDELA DISTRIBUTION (continued):**

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	431.1	431.1	431.1	431.1	431.1	431.1	431.1	431.1	431.1	431.1	431.1
2.5°	445.1	444.7	442.7	440.3	437.2	435.1	433.5	432.6	429.9	426.7	424.5
5°	472.7	467.1	461.2	454.0	447.3	440.5	436.3	431.3	425.2	418.4	413.6
7.5°	502.1	491.2	479.6	467.5	455.6	444.9	435.4	427.3	417.6	407.8	401.0
10°	524.7	508.8	492.4	475.6	460.3	445.9	434.8	424.0	412.3	401.1	392.5
12.5°	545.3	524.3	505.4	484.7	465.2	448.0	432.1	419.2	405.2	393.2	383.6
15°	571.2	549.8	527.0	495.5	469.5	447.7	428.3	411.5	394.6	379.9	370.4
17.5°	595.5	563.3	532.5	506.4	472.5	445.4	421.7	401.6	382.9	367.3	355.7
20°	605.5	574.3	541.0	507.6	474.4	443.9	416.4	394.2	374.9	357.1	346.4
22.5°	611.6	576.3	541.1	505.2	469.9	438.2	411.1	386.7	365.7	348.9	335.6
25°	618.6	576.6	537.8	502.4	466.4	432.1	399.7	373.9	351.3	333.4	319.3
27.5°	623.3	573.8	528.0	488.6	452.1	418.0	388.3	360.9	337.9	318.9	303.9
30°	624.2	571.6	520.5	477.8	440.8	409.3	378.0	351.8	327.4	307.3	293.3
32.5°	625.3	566.1	510.2	465.0	427.0	395.9	367.5	342.5	317.5	297.7	283.4
35°	620.5	563.1	494.8	442.8	404.7	374.6	349.0	325.9	301.4	282.2	267.6
37.5°	599.5	551.1	478.8	417.7	378.0	350.1	329.2	309.1	286.6	265.9	252.2
40°	578.5	539.3	466.4	402.5	361.0	332.4	313.5	297.1	275.4	256.0	241.2
42.5°	547.0	523.2	454.6	386.6	341.8	314.3	298.3	283.0	263.9	244.2	230.3
45°	489.3	492.4	430.4	361.2	315.2	287.6	272.6	261.9	244.9	228.7	214.4
47.5°	416.9	446.2	402.0	334.1	287.2	261.3	248.2	238.8	227.4	211.4	198.4
50°	369.7	411.5	379.3	316.0	269.7	243.8	230.9	223.3	213.3	200.8	188.5
52.5°	326.1	371.1	351.8	295.7	250.6	227.0	214.4	208.1	200.2	188.4	177.2
55°	265.9	311.6	307.1	265.2	222.0	200.8	191.2	184.2	178.9	170.0	161.1
57.5°	215.2	258.3	260.6	231.2	196.9	175.9	167.6	162.3	158.8	152.2	143.9
60°	183.1	222.8	230.5	208.3	178.9	160.4	152.3	148.0	145.3	139.9	133.6
62.5°	156.5	190.3	199.1	183.2	161.6	144.3	137.9	133.9	132.0	127.4	121.8
65°	119.8	147.8	156.3	147.5	136.2	122.4	117.2	113.7	112.0	109.5	105.4
67.5°	90.1	110.5	119.9	113.6	109.5	100.8	97.5	95.6	94.1	92.4	89.0
70°	72.3	87.5	97.0	95.5	92.1	87.5	85.1	83.8	82.3	80.8	77.9
72.5°	58.1	68.6	77.6	78.4	75.7	74.8	72.6	72.1	71.2	69.5	67.8
75°	38.6	45.8	52.0	54.4	55.5	56.5	55.5	55.4	55.2	53.7	52.8
77.5°	25.3	29.2	33.1	37.2	39.0	40.2	40.5	41.2	40.6	39.9	39.5
80°	19.4	20.3	23.1	26.5	29.3	30.4	31.2	31.5	31.4	31.2	30.4
82.5°	14.1	14.8	16.2	18.6	20.9	22.7	23.2	23.1	23.5	23.7	23.1
85°	7.6	7.8	8.2	8.5	9.7	11.8	12.4	12.8	13.1	13.1	12.0
87.5°	4.0	3.6	3.6	3.4	3.6	3.6	4.3	4.8	5.1	4.8	5.0
90°	8.2	6.9	5.6	4.4	3.5	2.5	1.4	0.5	1.4	2.5	3.5
92.5°	9.6	8.6	7.6	7.3	7.5	7.8	8.2	8.4	8.2	7.8	7.5
95°	11.8	10.7	9.6	11.1	15.2	19.3	23.4	27.6	23.4	19.3	15.2
97.5°	29.0	36.2	43.5	48.0	49.8	51.7	53.6	55.4	53.6	51.7	49.8
100°	46.3	61.9	77.6	84.4	82.4	80.4	78.3	76.4	78.3	80.4	82.4
102.5°	63.9	81.0	98.2	106.0	104.6	103.1	101.6	100.2	101.6	103.1	104.6
105°	117.0	126.0	135.1	139.0	137.9	136.9	135.8	134.7	135.8	136.9	137.9
107.5°	178.5	177.1	175.6	174.5	173.6	172.8	171.8	171.0	171.8	172.8	173.6
110°	201.5	200.4	199.4	198.4	197.6	196.8	196.0	195.2	196.0	196.8	197.6





TEST NUMBER: P332246-927

CATALOG NUMBER: S123RDIP-S340D585U927-4F0-1E-UDD-A

**CANDELA DISTRIBUTION (continued):**

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	224.3	223.2	222.1	221.2	220.5	219.8	219.0	218.3	219.0	219.8	220.5
115°	257.5	256.7	255.7	255.0	254.4	253.7	253.2	252.5	253.2	253.7	254.4
117.5°	290.3	289.8	289.3	288.7	288.0	287.2	286.5	285.7	286.5	287.2	288.0
120°	311.2	310.9	310.5	310.0	309.0	308.2	307.2	306.3	307.2	308.2	309.0
122.5°	331.6	331.2	330.8	330.3	329.5	328.8	328.0	327.3	328.0	328.8	329.5
125°	360.7	360.3	359.9	359.3	358.5	357.7	356.9	356.0	356.9	357.7	358.5
127.5°	388.7	388.2	387.7	387.1	386.3	385.5	384.7	383.9	384.7	385.5	386.3
130°	405.8	405.4	405.0	404.4	403.6	402.8	402.0	401.2	402.0	402.8	403.6
132.5°	422.2	421.9	421.6	421.0	420.3	419.5	418.7	417.9	418.7	419.5	420.3
135°	446.9	446.6	446.2	445.7	445.0	444.4	443.9	443.2	443.9	444.4	445.0
137.5°	468.9	468.7	468.5	467.9	467.2	466.4	465.7	464.9	465.7	466.4	467.2
140°	482.8	482.5	482.3	481.8	481.2	480.6	480.0	479.3	480.0	480.6	481.2
142.5°	496.2	495.9	495.6	495.2	494.6	494.0	493.4	492.7	493.4	494.0	494.6
145°	515.2	514.9	514.8	514.3	513.6	512.9	512.1	511.4	512.1	512.9	513.6
147.5°	531.6	531.5	531.2	530.9	530.4	530.0	529.6	529.1	529.6	530.0	530.4
150°	541.8	541.6	541.4	541.1	540.8	540.5	540.3	540.0	540.3	540.5	540.8
152.5°	550.6	550.5	550.4	550.2	550.1	549.9	549.9	549.7	549.9	549.9	550.1
155°	562.8	562.7	562.6	562.6	562.8	563.0	563.2	563.4	563.2	563.0	562.8
157.5°	573.8	573.9	573.9	574.0	574.0	574.0	574.1	574.1	574.1	574.0	574.0
160°	579.9	580.0	580.1	580.2	580.3	580.4	580.5	580.6	580.5	580.4	580.3
162.5°	585.3	585.4	585.5	585.7	586.0	586.2	586.5	586.8	586.5	586.2	586.0
165°	592.6	592.6	592.7	592.9	593.3	593.6	593.8	594.1	593.8	593.6	593.3
167.5°	598.1	598.1	598.1	598.3	598.7	599.1	599.5	599.9	599.5	599.1	598.7
170°	601.3	601.3	601.3	601.6	602.0	602.4	602.8	603.2	602.8	602.4	602.0
172.5°	603.4	603.3	603.2	603.4	603.9	604.4	604.9	605.4	604.9	604.4	603.9
175°	606.2	606.0	605.9	606.2	606.7	607.1	607.7	608.2	607.7	607.1	606.7
177.5°	607.3	607.2	607.1	607.3	607.7	608.1	608.5	608.9	608.5	608.1	607.7
180°	608.2	608.2	608.2	608.2	608.2	608.2	608.2	608.2	608.2	608.2	608.2



TEST NUMBER: P332246-927

CATALOG NUMBER: S123RDIP-S340D585U927-4F0-1E-UDD-A

**CANDELA DISTRIBUTION (continued):**

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	431.1	431.1	431.1	431.1	431.1	431.1	431.1	431.1	431.1	431.1	431.1
2.5°	423.7	421.8	420.5	417.6	415.7	413.6	411.5	412.8	412.6	412.6	412.6
5°	409.6	405.3	401.4	396.4	393.3	389.4	386.5	386.1	386.8	384.3	382.8
7.5°	395.5	389.7	384.1	378.7	372.8	368.1	365.3	363.8	362.0	360.4	358.8
10°	385.6	378.7	373.4	366.5	360.3	354.7	351.3	348.8	347.5	346.3	343.8
12.5°	375.3	368.7	361.9	354.1	348.2	341.7	339.1	336.4	334.0	332.5	329.2
15°	360.4	351.8	344.6	336.4	329.8	323.5	319.9	314.5	313.8	311.9	308.6
17.5°	345.5	336.1	326.1	320.1	312.7	306.1	300.5	298.7	293.4	291.4	288.5
20°	333.7	325.0	317.4	309.5	298.7	292.6	288.1	285.7	281.5	278.8	277.0
22.5°	323.5	314.7	305.9	296.7	287.7	280.8	277.6	273.9	271.6	267.9	265.9
25°	309.0	299.4	288.8	278.8	272.4	267.3	262.1	258.7	255.4	253.7	250.1
27.5°	292.1	282.0	272.2	264.6	256.7	251.6	246.9	244.0	240.0	237.2	235.1
30°	282.7	270.9	262.4	255.6	245.5	240.7	237.2	233.5	230.5	227.6	225.5
32.5°	272.0	261.2	253.2	244.7	236.9	231.6	227.1	223.9	221.3	218.6	216.5
35°	255.1	246.1	237.7	229.3	223.5	218.2	212.8	210.0	207.6	205.0	203.2
37.5°	239.8	231.3	223.4	215.4	208.3	203.9	199.6	197.5	194.2	192.5	190.7
40°	230.4	222.0	213.6	205.8	198.4	195.1	191.2	188.1	185.1	183.8	181.8
42.5°	220.0	211.7	204.5	196.2	190.1	185.6	182.0	178.6	176.4	174.5	173.4
45°	204.7	197.3	190.3	182.0	176.3	172.4	168.3	165.2	163.2	161.8	159.9
47.5°	189.8	182.4	175.3	168.1	162.6	158.1	154.0	151.9	149.2	147.6	146.2
50°	179.0	172.4	164.9	158.2	152.7	148.2	144.9	142.1	139.7	137.7	136.7
52.5°	169.1	162.1	155.5	149.3	143.5	138.5	135.5	132.5	130.7	128.4	127.3
55°	152.8	146.0	140.5	134.4	128.7	124.4	120.7	118.1	116.3	113.7	112.3
57.5°	137.5	131.3	124.8	119.5	113.6	110.0	106.9	103.5	101.2	99.2	97.7
60°	127.1	120.2	114.4	109.5	104.3	99.7	96.9	94.1	91.7	89.7	88.4
62.5°	116.4	110.3	104.8	99.4	94.7	90.6	87.5	85.2	83.0	81.8	80.4
65°	99.8	95.1	89.5	85.1	80.6	77.7	75.1	73.1	71.6	70.7	69.6
67.5°	84.6	80.0	75.2	70.8	67.8	65.6	63.9	62.2	61.4	60.2	59.5
70°	74.8	69.9	65.7	62.3	59.4	57.8	56.6	55.4	54.7	53.2	52.4
72.5°	64.0	60.5	57.4	54.7	52.4	50.9	49.4	47.8	46.7	45.0	44.3
75°	50.4	47.2	44.8	43.0	41.5	39.5	37.5	35.8	35.3	34.7	34.5
77.5°	37.3	35.3	33.6	32.0	30.2	28.8	28.3	27.9	27.8	27.5	27.5
80°	29.3	27.5	26.2	24.4	23.3	23.3	23.3	22.9	23.1	23.1	23.1
82.5°	21.8	20.1	19.4	18.8	18.5	18.7	18.7	18.8	18.6	18.9	18.8
85°	11.2	11.4	11.8	11.6	11.8	11.8	12.2	12.0	12.2	11.8	12.2
87.5°	5.0	5.7	6.1	6.5	6.9	7.1	7.3	7.4	7.6	7.7	7.7
90°	4.4	5.6	6.9	8.2	9.5	10.9	11.2	11.6	12.0	12.4	12.8
92.5°	7.3	7.6	8.6	9.6	10.6	11.6	12.2	12.8	13.5	14.1	14.5
95°	11.1	9.6	10.7	11.8	12.9	14.0	14.7	15.4	16.1	16.8	17.2
97.5°	48.0	43.5	36.2	29.0	21.8	14.6	15.4	16.2	17.0	17.7	18.2
100°	84.4	77.6	61.9	46.3	30.6	14.9	15.7	16.5	17.3	18.1	18.5
102.5°	106.0	98.2	81.0	63.9	46.8	29.7	27.3	24.7	22.3	19.8	18.6
105°	139.0	135.1	126.0	117.0	108.0	98.9	81.2	63.4	45.6	27.9	19.1
107.5°	174.5	175.6	177.1	178.5	179.9	181.3	168.3	155.3	142.3	129.2	116.1
110°	198.4	199.4	200.4	201.5	202.6	203.7	200.4	197.2	193.8	190.5	181.6



TEST NUMBER: P332246-927

CATALOG NUMBER: S123RDIP-S340D585U927-4F0-1E-UDD-A

**CANDELA DISTRIBUTION (continued):**

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	221.2	222.1	223.2	224.3	225.5	226.6	226.6	226.6	226.7	226.8	225.3
115°	255.0	255.7	256.7	257.5	258.4	259.4	260.4	261.3	262.4	263.4	264.0
117.5°	288.7	289.3	289.8	290.3	290.7	291.1	292.0	292.8	293.6	294.4	294.9
120°	310.0	310.5	310.9	311.2	311.5	311.7	312.6	313.4	314.2	315.0	315.4
122.5°	330.3	330.8	331.2	331.6	332.0	332.4	333.0	333.5	334.1	334.6	334.9
125°	359.3	359.9	360.3	360.7	361.1	361.5	361.6	361.9	362.0	362.3	362.5
127.5°	387.1	387.7	388.2	388.7	389.2	389.7	390.0	390.3	390.6	390.9	391.0
130°	404.4	405.0	405.4	405.8	406.2	406.6	407.0	407.4	407.8	408.2	408.4
132.5°	421.0	421.6	421.9	422.2	422.6	422.9	423.3	423.7	424.1	424.5	424.6
135°	445.7	446.2	446.6	446.9	447.3	447.7	448.1	448.4	448.7	448.9	448.9
137.5°	467.9	468.5	468.7	468.9	469.1	469.4	469.8	470.3	470.8	471.3	471.4
140°	481.8	482.3	482.5	482.8	483.2	483.5	483.9	484.3	484.7	485.1	485.1
142.5°	495.2	495.6	495.9	496.2	496.5	496.9	497.2	497.5	497.8	498.1	498.1
145°	514.3	514.8	514.9	515.2	515.3	515.6	515.7	515.9	516.1	516.3	516.4
147.5°	530.9	531.2	531.5	531.6	531.9	532.1	532.3	532.5	532.7	532.9	532.7
150°	541.1	541.4	541.6	541.8	542.0	542.2	542.4	542.6	542.8	543.0	543.0
152.5°	550.2	550.4	550.5	550.6	550.7	550.9	551.2	551.6	551.9	552.3	552.2
155°	562.6	562.6	562.7	562.8	562.8	563.0	563.5	564.0	564.5	565.0	564.9
157.5°	574.0	573.9	573.9	573.8	573.6	573.5	574.2	574.7	575.4	576.0	575.8
160°	580.2	580.1	580.0	579.9	579.8	579.7	580.3	580.9	581.5	582.1	582.0
162.5°	585.7	585.5	585.4	585.3	585.2	585.1	585.8	586.5	587.2	587.9	587.9
165°	592.9	592.7	592.6	592.6	592.5	592.3	593.2	594.0	594.8	595.6	595.6
167.5°	598.3	598.1	598.1	598.1	598.1	598.1	599.0	599.8	600.6	601.3	601.3
170°	601.6	601.3	601.3	601.3	601.3	601.3	602.2	603.0	603.8	604.6	604.6
172.5°	603.4	603.2	603.3	603.4	603.5	603.6	604.4	605.1	605.9	606.7	606.7
175°	606.2	605.9	606.0	606.2	606.3	606.3	607.0	607.8	608.5	609.2	609.1
177.5°	607.3	607.1	607.2	607.3	607.4	607.4	608.1	608.7	609.3	610.0	609.9
180°	608.2	608.2	608.2	608.2	608.2	608.2	608.2	608.2	608.2	608.2	608.2



TEST NUMBER: P332246-927

CATALOG NUMBER: S123RDIP-S340D585U927-4F0-1E-UDD-A

**CANDELA DISTRIBUTION (continued):**

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	431.1	431.1	431.1	431.1	431.1	431.1	431.1	431.1	431.1	431.1	431.1
2.5°	410.7	410.6	410.7	410.2	410.7	410.6	410.7	412.6	412.6	412.6	412.8
5°	382.2	382.1	381.5	379.9	381.5	382.1	382.2	382.8	384.3	386.8	386.1
7.5°	357.3	357.0	355.5	355.5	355.5	357.0	357.3	358.8	360.4	362.0	363.8
10°	342.5	342.7	340.5	339.2	340.5	342.7	342.5	343.8	346.3	347.5	348.8
12.5°	328.2	327.4	325.6	324.2	325.6	327.4	328.2	329.2	332.5	334.0	336.4
15°	309.3	307.4	303.1	303.4	303.1	307.4	309.3	308.6	311.9	313.8	314.5
17.5°	287.1	285.7	285.7	283.0	285.7	285.7	287.1	288.5	291.4	293.4	298.7
20°	274.1	273.1	273.5	270.9	273.5	273.1	274.1	277.0	278.8	281.5	285.7
22.5°	263.9	262.9	261.4	260.6	261.4	262.9	263.9	265.9	267.9	271.6	273.9
25°	249.0	247.5	246.1	246.9	246.1	247.5	249.0	250.1	253.7	255.4	258.7
27.5°	234.1	233.0	231.5	231.3	231.5	233.0	234.1	235.1	237.2	240.0	244.0
30°	224.6	223.5	222.8	221.8	222.8	223.5	224.6	225.5	227.6	230.5	233.5
32.5°	215.0	214.8	213.5	213.3	213.5	214.8	215.0	216.5	218.6	221.3	223.9
35°	202.5	201.4	201.0	201.1	201.0	201.4	202.5	203.2	205.0	207.6	210.0
37.5°	190.5	189.1	188.4	187.7	188.4	189.1	190.5	190.7	192.5	194.2	197.5
40°	182.0	180.5	180.1	179.7	180.1	180.5	182.0	181.8	183.8	185.1	188.1
42.5°	172.4	171.8	171.6	170.9	171.6	171.8	172.4	173.4	174.5	176.4	178.6
45°	159.3	159.1	158.0	158.4	158.0	159.1	159.3	159.9	161.8	163.2	165.2
47.5°	145.4	144.7	143.9	144.4	143.9	144.7	145.4	146.2	147.6	149.2	151.9
50°	136.0	135.6	134.0	134.4	134.0	135.6	136.0	136.7	137.7	139.7	142.1
52.5°	126.6	125.2	124.5	124.3	124.5	125.2	126.6	127.3	128.4	130.7	132.5
55°	110.9	109.2	108.5	108.1	108.5	109.2	110.9	112.3	113.7	116.3	118.1
57.5°	95.5	95.1	94.5	94.9	94.5	95.1	95.5	97.7	99.2	101.2	103.5
60°	86.6	86.6	86.6	86.3	86.6	86.6	86.6	88.4	89.7	91.7	94.1
62.5°	79.6	79.1	79.1	79.3	79.1	79.1	79.6	80.4	81.8	83.0	85.2
65°	69.0	68.8	68.1	67.9	68.1	68.8	69.0	69.6	70.7	71.6	73.1
67.5°	59.0	58.4	58.1	57.9	58.1	58.4	59.0	59.5	60.2	61.4	62.2
70°	51.5	51.1	50.0	50.2	50.0	51.1	51.5	52.4	53.2	54.7	55.4
72.5°	43.4	43.0	42.8	42.5	42.8	43.0	43.4	44.3	45.0	46.7	47.8
75°	34.3	34.1	34.0	34.7	34.0	34.1	34.3	34.5	34.7	35.3	35.8
77.5°	27.5	27.5	27.6	27.3	27.6	27.5	27.5	27.5	27.5	27.8	27.9
80°	23.1	23.1	22.9	22.9	22.9	23.1	23.1	23.1	23.1	23.1	22.9
82.5°	18.5	18.6	18.8	18.5	18.8	18.6	18.5	18.8	18.9	18.6	18.8
85°	12.2	12.0	12.4	12.2	12.4	12.0	12.2	12.2	11.8	12.2	12.0
87.5°	8.1	7.8	7.8	8.0	7.8	7.8	8.1	7.7	7.7	7.6	7.4
90°	13.0	13.2	13.4	13.5	13.4	13.2	13.0	12.8	12.4	12.0	11.6
92.5°	14.7	14.7	14.9	15.0	14.9	14.7	14.7	14.5	14.1	13.5	12.8
95°	17.2	17.2	17.2	17.2	17.2	17.2	17.2	17.2	16.8	16.1	15.4
97.5°	18.3	18.4	18.5	18.6	18.5	18.4	18.3	18.2	17.7	17.0	16.2
100°	18.7	18.8	18.9	19.0	18.9	18.8	18.7	18.5	18.1	17.3	16.5
102.5°	18.8	19.0	19.2	19.3	19.2	19.0	18.8	18.6	19.8	22.3	24.7
105°	19.3	19.5	19.6	19.9	19.6	19.5	19.3	19.1	27.9	45.6	63.4
107.5°	102.6	89.2	75.8	62.4	75.8	89.2	102.6	116.1	129.2	142.3	155.3
110°	167.3	153.0	138.6	124.2	138.6	153.0	167.3	181.6	190.5	193.8	197.2



TEST NUMBER: P332246-927

CATALOG NUMBER: S123RDIP-S340D585U927-4F0-1E-UDD-A

**CANDELA DISTRIBUTION (continued):**

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	222.3	219.2	216.2	213.2	216.2	219.2	222.3	225.3	226.8	226.7	226.6
115°	264.4	264.9	265.3	265.7	265.3	264.9	264.4	264.0	263.4	262.4	261.3
117.5°	294.9	295.0	295.1	295.2	295.1	295.0	294.9	294.9	294.4	293.6	292.8
120°	315.4	315.4	315.4	315.4	315.4	315.4	315.4	315.4	315.0	314.2	313.4
122.5°	335.0	335.1	335.2	335.3	335.2	335.1	335.0	334.9	334.6	334.1	333.5
125°	362.7	362.9	363.1	363.3	363.1	362.9	362.7	362.5	362.3	362.0	361.9
127.5°	390.8	390.6	390.4	390.2	390.4	390.6	390.8	391.0	390.9	390.6	390.3
130°	408.1	408.0	407.7	407.6	407.7	408.0	408.1	408.4	408.2	407.8	407.4
132.5°	424.3	424.0	423.7	423.4	423.7	424.0	424.3	424.6	424.5	424.1	423.7
135°	448.7	448.4	448.1	447.7	448.1	448.4	448.7	448.9	448.9	448.7	448.4
137.5°	471.2	471.0	470.8	470.6	470.8	471.0	471.2	471.4	471.3	470.8	470.3
140°	485.0	484.7	484.6	484.3	484.6	484.7	485.0	485.1	485.1	484.7	484.3
142.5°	497.9	497.6	497.3	497.0	497.3	497.6	497.9	498.1	498.1	497.8	497.5
145°	516.4	516.4	516.4	516.4	516.4	516.4	516.4	516.4	516.3	516.1	515.9
147.5°	532.3	531.8	531.4	530.9	531.4	531.8	532.3	532.7	532.9	532.7	532.5
150°	542.6	542.3	542.0	541.8	542.0	542.3	542.6	543.0	543.0	542.8	542.6
152.5°	551.8	551.4	550.9	550.4	550.9	551.4	551.8	552.2	552.3	551.9	551.6
155°	564.4	563.7	563.2	562.5	563.2	563.7	564.4	564.9	565.0	564.5	564.0
157.5°	575.0	574.3	573.5	572.7	573.5	574.3	575.0	575.8	576.0	575.4	574.7
160°	581.4	580.7	580.0	579.2	580.0	580.7	581.4	582.0	582.1	581.5	580.9
162.5°	587.2	586.6	586.0	585.4	586.0	586.6	587.2	587.9	587.9	587.2	586.5
165°	594.9	594.2	593.5	592.8	593.5	594.2	594.9	595.6	595.6	594.8	594.0
167.5°	600.6	599.8	599.0	598.1	599.0	599.8	600.6	601.3	601.3	600.6	599.8
170°	603.8	603.0	602.2	601.3	602.2	603.0	603.8	604.6	604.6	603.8	603.0
172.5°	605.9	605.0	604.0	603.2	604.0	605.0	605.9	606.7	606.7	605.9	605.1
175°	608.3	607.5	606.7	605.9	606.7	607.5	608.3	609.1	609.2	608.5	607.8
177.5°	609.1	608.3	607.5	606.7	607.5	608.3	609.1	609.9	610.0	609.3	608.7
180°	608.2	608.2	608.2	608.2	608.2	608.2	608.2	608.2	608.2	608.2	608.2



TEST NUMBER: P332246-927

CATALOG NUMBER: S123RDIP-S340D585U927-4F0-1E-UDD-A

**CANDELA DISTRIBUTION (continued):**

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	431.1	431.1	431.1	431.1	431.1	431.1	431.1	431.1	431.1	431.1	431.1
2.5°	411.5	413.6	415.7	417.6	420.5	421.8	423.7	424.5	426.7	429.9	432.6
5°	386.5	389.4	393.3	396.4	401.4	405.3	409.6	413.6	418.4	425.2	431.3
7.5°	365.3	368.1	372.8	378.7	384.1	389.7	395.5	401.0	407.8	417.6	427.3
10°	351.3	354.7	360.3	366.5	373.4	378.7	385.6	392.5	401.1	412.3	424.0
12.5°	339.1	341.7	348.2	354.1	361.9	368.7	375.3	383.6	393.2	405.2	419.2
15°	319.9	323.5	329.8	336.4	344.6	351.8	360.4	370.4	379.9	394.6	411.5
17.5°	300.5	306.1	312.7	320.1	326.1	336.1	345.5	355.7	367.3	382.9	401.6
20°	288.1	292.6	298.7	309.5	317.4	325.0	333.7	346.4	357.1	374.9	394.2
22.5°	277.6	280.8	287.7	296.7	305.9	314.7	323.5	335.6	348.9	365.7	386.7
25°	262.1	267.3	272.4	278.8	288.8	299.4	309.0	319.3	333.4	351.3	373.9
27.5°	246.9	251.6	256.7	264.6	272.2	282.0	292.1	303.9	318.9	337.9	360.9
30°	237.2	240.7	245.5	255.6	262.4	270.9	282.7	293.3	307.3	327.4	351.8
32.5°	227.1	231.6	236.9	244.7	253.2	261.2	272.0	283.4	297.7	317.5	342.5
35°	212.8	218.2	223.5	229.3	237.7	246.1	255.1	267.6	282.2	301.4	325.9
37.5°	199.6	203.9	208.3	215.4	223.4	231.3	239.8	252.2	265.9	286.6	309.1
40°	191.2	195.1	198.4	205.8	213.6	222.0	230.4	241.2	256.0	275.4	297.1
42.5°	182.0	185.6	190.1	196.2	204.5	211.7	220.0	230.3	244.2	263.9	283.0
45°	168.3	172.4	176.3	182.0	190.3	197.3	204.7	214.4	228.7	244.9	261.9
47.5°	154.0	158.1	162.6	168.1	175.3	182.4	189.8	198.4	211.4	227.4	238.8
50°	144.9	148.2	152.7	158.2	164.9	172.4	179.0	188.5	200.8	213.3	223.3
52.5°	135.5	138.5	143.5	149.3	155.5	162.1	169.1	177.2	188.4	200.2	208.1
55°	120.7	124.4	128.7	134.4	140.5	146.0	152.8	161.1	170.0	178.9	184.2
57.5°	106.9	110.0	113.6	119.5	124.8	131.3	137.5	143.9	152.2	158.8	162.3
60°	96.9	99.7	104.3	109.5	114.4	120.2	127.1	133.6	139.9	145.3	148.0
62.5°	87.5	90.6	94.7	99.4	104.8	110.3	116.4	121.8	127.4	132.0	133.9
65°	75.1	77.7	80.6	85.1	89.5	95.1	99.8	105.4	109.5	112.0	113.7
67.5°	63.9	65.6	67.8	70.8	75.2	80.0	84.6	89.0	92.4	94.1	95.6
70°	56.6	57.8	59.4	62.3	65.7	69.9	74.8	77.9	80.8	82.3	83.8
72.5°	49.4	50.9	52.4	54.7	57.4	60.5	64.0	67.8	69.5	71.2	72.1
75°	37.5	39.5	41.5	43.0	44.8	47.2	50.4	52.8	53.7	55.2	55.4
77.5°	28.3	28.8	30.2	32.0	33.6	35.3	37.3	39.5	39.9	40.6	41.2
80°	23.3	23.3	23.3	24.4	26.2	27.5	29.3	30.4	31.2	31.4	31.5
82.5°	18.7	18.7	18.5	18.8	19.4	20.1	21.8	23.1	23.7	23.5	23.1
85°	12.2	11.8	11.8	11.6	11.8	11.4	11.2	12.0	13.1	13.1	12.8
87.5°	7.3	7.1	6.9	6.5	6.1	5.7	5.0	5.0	4.8	5.1	4.8
90°	11.2	10.9	9.5	8.2	6.9	5.6	4.4	3.5	2.5	1.4	0.5
92.5°	12.2	11.6	10.6	9.6	8.6	7.6	7.3	7.5	7.8	8.2	8.4
95°	14.7	14.0	12.9	11.8	10.7	9.6	11.1	15.2	19.3	23.4	27.6
97.5°	15.4	14.6	21.8	29.0	36.2	43.5	48.0	49.8	51.7	53.6	55.4
100°	15.7	14.9	30.6	46.3	61.9	77.6	84.4	82.4	80.4	78.3	76.4
102.5°	27.3	29.7	46.8	63.9	81.0	98.2	106.0	104.6	103.1	101.6	100.2
105°	81.2	98.9	108.0	117.0	126.0	135.1	139.0	137.9	136.9	135.8	134.7
107.5°	168.3	181.3	179.9	178.5	177.1	175.6	174.5	173.6	172.8	171.8	171.0
110°	200.4	203.7	202.6	201.5	200.4	199.4	198.4	197.6	196.8	196.0	195.2



TEST NUMBER: P332246-927

CATALOG NUMBER: S123RDIP-S340D585U927-4F0-1E-UDD-A

**CANDELA DISTRIBUTION (continued):**

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	226.6	226.6	225.5	224.3	223.2	222.1	221.2	220.5	219.8	219.0	218.3
115°	260.4	259.4	258.4	257.5	256.7	255.7	255.0	254.4	253.7	253.2	252.5
117.5°	292.0	291.1	290.7	290.3	289.8	289.3	288.7	288.0	287.2	286.5	285.7
120°	312.6	311.7	311.5	311.2	310.9	310.5	310.0	309.0	308.2	307.2	306.3
122.5°	333.0	332.4	332.0	331.6	331.2	330.8	330.3	329.5	328.8	328.0	327.3
125°	361.6	361.5	361.1	360.7	360.3	359.9	359.3	358.5	357.7	356.9	356.0
127.5°	390.0	389.7	389.2	388.7	388.2	387.7	387.1	386.3	385.5	384.7	383.9
130°	407.0	406.6	406.2	405.8	405.4	405.0	404.4	403.6	402.8	402.0	401.2
132.5°	423.3	422.9	422.6	422.2	421.9	421.6	421.0	420.3	419.5	418.7	417.9
135°	448.1	447.7	447.3	446.9	446.6	446.2	445.7	445.0	444.4	443.9	443.2
137.5°	469.8	469.4	469.1	468.9	468.7	468.5	467.9	467.2	466.4	465.7	464.9
140°	483.9	483.5	483.2	482.8	482.5	482.3	481.8	481.2	480.6	480.0	479.3
142.5°	497.2	496.9	496.5	496.2	495.9	495.6	495.2	494.6	494.0	493.4	492.7
145°	515.7	515.6	515.3	515.2	514.9	514.8	514.3	513.6	512.9	512.1	511.4
147.5°	532.3	532.1	531.9	531.6	531.5	531.2	530.9	530.4	530.0	529.6	529.1
150°	542.4	542.2	542.0	541.8	541.6	541.4	541.1	540.8	540.5	540.3	540.0
152.5°	551.2	550.9	550.7	550.6	550.5	550.4	550.2	550.1	549.9	549.9	549.7
155°	563.5	563.0	562.8	562.8	562.7	562.6	562.6	562.8	563.0	563.2	563.4
157.5°	574.2	573.5	573.6	573.8	573.9	573.9	574.0	574.0	574.0	574.1	574.1
160°	580.3	579.7	579.8	579.9	580.0	580.1	580.2	580.3	580.4	580.5	580.6
162.5°	585.8	585.1	585.2	585.3	585.4	585.5	585.7	586.0	586.2	586.5	586.8
165°	593.2	592.3	592.5	592.6	592.6	592.7	592.9	593.3	593.6	593.8	594.1
167.5°	599.0	598.1	598.1	598.1	598.1	598.1	598.3	598.7	599.1	599.5	599.9
170°	602.2	601.3	601.3	601.3	601.3	601.3	601.6	602.0	602.4	602.8	603.2
172.5°	604.4	603.6	603.5	603.4	603.3	603.2	603.4	603.9	604.4	604.9	605.4
175°	607.0	606.3	606.3	606.2	606.0	605.9	606.2	606.7	607.1	607.7	608.2
177.5°	608.1	607.4	607.4	607.3	607.2	607.1	607.3	607.7	608.1	608.5	608.9
180°	608.2	608.2	608.2	608.2	608.2	608.2	608.2	608.2	608.2	608.2	608.2



TEST NUMBER: P332246-927

CATALOG NUMBER: S123RDIP-S340D585U927-4F0-1E-UDD-A

**CANDELA DISTRIBUTION (continued):**

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	431.1	431.1	431.1	431.1	431.1	431.1	431.1	431.1	431.1	431.1	431.1
2.5°	433.5	435.1	437.2	440.3	442.7	444.7	445.1	445.8	447.3	449.7	451.6
5°	436.3	440.5	447.3	454.0	461.2	467.1	472.7	476.6	480.2	488.0	494.2
7.5°	435.4	444.9	455.6	467.5	479.6	491.2	502.1	511.8	521.5	532.8	545.7
10°	434.8	445.9	460.3	475.6	492.4	508.8	524.7	537.1	551.4	564.4	580.8
12.5°	432.1	448.0	465.2	484.7	505.4	524.3	545.3	562.3	578.8	597.5	616.6
15°	428.3	447.7	469.5	495.5	527.0	549.8	571.2	600.9	621.2	641.5	668.8
17.5°	421.7	445.4	472.5	506.4	532.5	563.3	595.5	619.0	646.3	674.9	699.7
20°	416.4	443.9	474.4	507.6	541.0	574.3	605.5	633.6	661.9	694.9	715.2
22.5°	411.1	438.2	469.9	505.2	541.1	576.3	611.6	644.5	676.3	709.6	735.5
25°	399.7	432.1	466.4	502.4	537.8	576.6	618.6	655.4	694.7	729.0	753.6
27.5°	388.3	418.0	452.1	488.6	528.0	573.8	623.3	665.0	704.4	729.0	736.7
30°	378.0	409.3	440.8	477.8	520.5	571.6	624.2	672.0	704.3	715.0	707.0
32.5°	367.5	395.9	427.0	465.0	510.2	566.1	625.3	667.9	687.3	679.1	646.8
35°	349.0	374.6	404.7	442.8	494.8	563.1	620.5	649.3	644.5	598.3	537.4
37.5°	329.2	350.1	378.0	417.7	478.8	551.1	599.5	603.8	562.2	491.4	421.0
40°	313.5	332.4	361.0	402.5	466.4	539.3	578.5	561.3	496.9	418.0	359.3
42.5°	298.3	314.3	341.8	386.6	454.6	523.2	547.0	509.6	435.3	360.8	307.4
45°	272.6	287.6	315.2	361.2	430.4	492.4	489.3	424.3	349.9	289.9	245.7
47.5°	248.2	261.3	287.2	334.1	402.0	446.2	416.9	347.8	284.7	236.5	204.9
50°	230.9	243.8	269.7	316.0	379.3	411.5	369.7	303.1	245.3	205.4	180.3
52.5°	214.4	227.0	250.6	295.7	351.8	371.1	326.1	264.4	216.2	181.8	160.3
55°	191.2	200.8	222.0	265.2	307.1	311.6	265.9	214.3	174.6	150.6	135.9
57.5°	167.6	175.9	196.9	231.2	260.6	258.3	215.2	170.4	143.7	125.9	115.2
60°	152.3	160.4	178.9	208.3	230.5	222.8	183.1	147.1	124.2	111.1	102.6
62.5°	137.9	144.3	161.6	183.2	199.1	190.3	156.5	126.7	108.5	97.5	90.8
65°	117.2	122.4	136.2	147.5	156.3	147.8	119.8	99.1	86.0	78.3	73.7
67.5°	97.5	100.8	109.5	113.6	119.9	110.5	90.1	76.2	68.8	62.3	59.0
70°	85.1	87.5	92.1	95.5	97.0	87.5	72.3	62.2	55.9	51.3	49.3
72.5°	72.6	74.8	75.7	78.4	77.6	68.6	58.1	50.1	45.6	42.5	39.8
75°	55.5	56.5	55.5	54.4	52.0	45.8	38.6	34.5	31.2	29.7	28.8
77.5°	40.5	40.2	39.0	37.2	33.1	29.2	25.3	23.9	22.5	21.7	21.4
80°	31.2	30.4	29.3	26.5	23.1	20.3	19.4	18.5	17.9	17.0	16.8
82.5°	23.2	22.7	20.9	18.6	16.2	14.8	14.1	13.7	13.2	12.7	12.7
85°	12.4	11.8	9.7	8.5	8.2	7.8	7.6	7.6	6.8	6.7	6.7
87.5°	4.3	3.6	3.6	3.4	3.6	3.6	4.0	4.0	4.1	4.3	4.1
90°	1.4	2.5	3.5	4.4	5.6	6.9	8.2	9.5	10.9	11.2	11.6
92.5°	8.2	7.8	7.5	7.3	7.6	8.6	9.6	10.6	11.6	12.2	12.8
95°	23.4	19.3	15.2	11.1	9.6	10.7	11.8	12.9	14.0	14.7	15.4
97.5°	53.6	51.7	49.8	48.0	43.5	36.2	29.0	21.8	14.6	15.4	16.2
100°	78.3	80.4	82.4	84.4	77.6	61.9	46.3	30.6	14.9	15.7	16.5
102.5°	101.6	103.1	104.6	106.0	98.2	81.0	63.9	46.8	29.7	27.3	24.7
105°	135.8	136.9	137.9	139.0	135.1	126.0	117.0	108.0	98.9	81.2	63.4
107.5°	171.8	172.8	173.6	174.5	175.6	177.1	178.5	179.9	181.3	168.3	155.3
110°	196.0	196.8	197.6	198.4	199.4	200.4	201.5	202.6	203.7	200.4	197.2





TEST NUMBER: P332246-927

CATALOG NUMBER: S123RDIP-S340D585U927-4F0-1E-UDD-A

**CANDELA DISTRIBUTION (continued):**

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	219.0	219.8	220.5	221.2	222.1	223.2	224.3	225.5	226.6	226.6	226.6
115°	253.2	253.7	254.4	255.0	255.7	256.7	257.5	258.4	259.4	260.4	261.3
117.5°	286.5	287.2	288.0	288.7	289.3	289.8	290.3	290.7	291.1	292.0	292.8
120°	307.2	308.2	309.0	310.0	310.5	310.9	311.2	311.5	311.7	312.6	313.4
122.5°	328.0	328.8	329.5	330.3	330.8	331.2	331.6	332.0	332.4	333.0	333.5
125°	356.9	357.7	358.5	359.3	359.9	360.3	360.7	361.1	361.5	361.6	361.9
127.5°	384.7	385.5	386.3	387.1	387.7	388.2	388.7	389.2	389.7	390.0	390.3
130°	402.0	402.8	403.6	404.4	405.0	405.4	405.8	406.2	406.6	407.0	407.4
132.5°	418.7	419.5	420.3	421.0	421.6	421.9	422.2	422.6	422.9	423.3	423.7
135°	443.9	444.4	445.0	445.7	446.2	446.6	446.9	447.3	447.7	448.1	448.4
137.5°	465.7	466.4	467.2	467.9	468.5	468.7	468.9	469.1	469.4	469.8	470.3
140°	480.0	480.6	481.2	481.8	482.3	482.5	482.8	483.2	483.5	483.9	484.3
142.5°	493.4	494.0	494.6	495.2	495.6	495.9	496.2	496.5	496.9	497.2	497.5
145°	512.1	512.9	513.6	514.3	514.8	514.9	515.2	515.3	515.6	515.7	515.9
147.5°	529.6	530.0	530.4	530.9	531.2	531.5	531.6	531.9	532.1	532.3	532.5
150°	540.3	540.5	540.8	541.1	541.4	541.6	541.8	542.0	542.2	542.4	542.6
152.5°	549.9	549.9	550.1	550.2	550.4	550.5	550.6	550.7	550.9	551.2	551.6
155°	563.2	563.0	562.8	562.6	562.6	562.7	562.8	562.8	563.0	563.5	564.0
157.5°	574.1	574.0	574.0	574.0	573.9	573.9	573.8	573.6	573.5	574.2	574.7
160°	580.5	580.4	580.3	580.2	580.1	580.0	579.9	579.8	579.7	580.3	580.9
162.5°	586.5	586.2	586.0	585.7	585.5	585.4	585.3	585.2	585.1	585.8	586.5
165°	593.8	593.6	593.3	592.9	592.7	592.6	592.6	592.5	592.3	593.2	594.0
167.5°	599.5	599.1	598.7	598.3	598.1	598.1	598.1	598.1	598.1	599.0	599.8
170°	602.8	602.4	602.0	601.6	601.3	601.3	601.3	601.3	601.3	602.2	603.0
172.5°	604.9	604.4	603.9	603.4	603.2	603.3	603.4	603.5	603.6	604.4	605.1
175°	607.7	607.1	606.7	606.2	605.9	606.0	606.2	606.3	606.3	607.0	607.8
177.5°	608.5	608.1	607.7	607.3	607.1	607.2	607.3	607.4	607.4	608.1	608.7
180°	608.2	608.2	608.2	608.2	608.2	608.2	608.2	608.2	608.2	608.2	608.2



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**CANDELA DISTRIBUTION (continued):**

	330°	335°	340°	345°	350°	355°	360°
0°	431.1	431.1	431.1	431.1	431.1	431.1	431.1
2.5°	454.8	454.8	455.3	457.6	457.9	459.8	459.2
5°	499.8	503.3	504.6	510.2	513.4	514.9	512.0
7.5°	554.8	564.7	569.4	575.3	580.4	581.9	577.9
10°	595.0	605.4	614.0	619.4	624.4	627.7	631.9
12.5°	633.8	646.6	654.8	662.3	667.5	671.7	672.4
15°	676.0	695.2	709.8	720.6	725.9	728.6	727.5
17.5°	718.6	736.4	746.8	757.7	765.1	765.5	765.7
20°	742.7	760.0	772.1	780.1	788.5	788.1	790.0
22.5°	758.8	772.5	781.6	787.5	790.4	788.9	789.3
25°	766.3	770.4	768.7	759.3	756.9	748.2	749.7
27.5°	727.5	708.3	688.4	662.9	642.7	626.6	627.4
30°	674.8	640.8	602.1	569.6	540.4	532.3	514.9
32.5°	601.1	550.2	504.8	474.4	449.5	442.7	427.5
35°	476.2	426.7	380.0	352.0	340.9	325.3	325.2
37.5°	370.1	326.5	301.9	280.8	269.8	260.4	259.5
40°	311.3	277.4	258.7	243.6	232.7	225.7	224.0
42.5°	270.3	242.9	225.4	216.0	207.6	204.0	201.3
45°	220.7	202.2	190.1	181.6	177.8	175.0	173.5
47.5°	184.7	172.3	164.0	158.3	155.2	152.3	153.0
50°	165.0	154.9	148.8	143.4	141.0	138.9	139.2
52.5°	149.2	140.1	135.1	131.3	128.3	126.8	126.2
55°	126.6	120.9	115.9	113.1	111.5	109.5	108.9
57.5°	108.0	103.5	99.5	96.4	95.9	94.0	94.3
60°	95.6	91.9	88.6	86.9	85.6	84.0	84.5
62.5°	85.4	82.3	79.3	78.0	76.6	75.4	75.7
65°	69.9	67.0	65.1	64.4	63.8	63.3	62.7
67.5°	55.8	53.9	52.8	51.2	50.1	49.9	49.4
70°	46.9	44.4	42.5	40.4	39.8	39.7	39.8
72.5°	37.5	36.0	35.5	34.5	34.4	33.9	34.2
75°	28.2	27.6	27.3	26.5	26.5	26.5	26.5
77.5°	20.8	20.5	20.3	20.1	20.0	19.6	19.6
80°	16.2	16.1	15.7	15.7	15.5	15.7	15.5
82.5°	12.3	12.2	11.9	11.9	11.6	11.6	11.6
85°	6.3	6.1	6.5	6.1	6.3	5.9	6.3
87.5°	4.2	4.3	4.2	4.2	4.1	4.4	4.2
90°	12.0	12.4	12.8	13.0	13.2	13.4	13.5
92.5°	13.5	14.1	14.5	14.7	14.7	14.9	15.0
95°	16.1	16.8	17.2	17.2	17.2	17.2	17.2
97.5°	17.0	17.7	18.2	18.3	18.4	18.5	18.6
100°	17.3	18.1	18.5	18.7	18.8	18.9	19.0
102.5°	22.3	19.8	18.6	18.8	19.0	19.2	19.3
105°	45.6	27.9	19.1	19.3	19.5	19.6	19.9
107.5°	142.3	129.2	116.1	102.6	89.2	75.8	62.4
110°	193.8	190.5	181.6	167.3	153.0	138.6	124.2



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**CANDELA DISTRIBUTION (continued):**

	330°	335°	340°	345°	350°	355°	360°
112.5°	226.7	226.8	225.3	222.3	219.2	216.2	213.2
115°	262.4	263.4	264.0	264.4	264.9	265.3	265.7
117.5°	293.6	294.4	294.9	294.9	295.0	295.1	295.2
120°	314.2	315.0	315.4	315.4	315.4	315.4	315.4
122.5°	334.1	334.6	334.9	335.0	335.1	335.2	335.3
125°	362.0	362.3	362.5	362.7	362.9	363.1	363.3
127.5°	390.6	390.9	391.0	390.8	390.6	390.4	390.2
130°	407.8	408.2	408.4	408.1	408.0	407.7	407.6
132.5°	424.1	424.5	424.6	424.3	424.0	423.7	423.4
135°	448.7	448.9	448.9	448.7	448.4	448.1	447.7
137.5°	470.8	471.3	471.4	471.2	471.0	470.8	470.6
140°	484.7	485.1	485.1	485.0	484.7	484.6	484.3
142.5°	497.8	498.1	498.1	497.9	497.6	497.3	497.0
145°	516.1	516.3	516.4	516.4	516.4	516.4	516.4
147.5°	532.7	532.9	532.7	532.3	531.8	531.4	530.9
150°	542.8	543.0	543.0	542.6	542.3	542.0	541.8
152.5°	551.9	552.3	552.2	551.8	551.4	550.9	550.4
155°	564.5	565.0	564.9	564.4	563.7	563.2	562.5
157.5°	575.4	576.0	575.8	575.0	574.3	573.5	572.7
160°	581.5	582.1	582.0	581.4	580.7	580.0	579.2
162.5°	587.2	587.9	587.9	587.2	586.6	586.0	585.4
165°	594.8	595.6	595.6	594.9	594.2	593.5	592.8
167.5°	600.6	601.3	601.3	600.6	599.8	599.0	598.1
170°	603.8	604.6	604.6	603.8	603.0	602.2	601.3
172.5°	605.9	606.7	606.7	605.9	605.0	604.0	603.2
175°	608.5	609.2	609.1	608.3	607.5	606.7	605.9
177.5°	609.3	610.0	609.9	609.1	608.3	607.5	606.7
180°	608.2	608.2	608.2	608.2	608.2	608.2	608.2

(END OF REPORT)