

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: P332242-927

Luminaire Tested: **S123RDIP-S340D365U927-4F0-1E-UDD-A4**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P332242-927
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1807-864-17,
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: NEO-RAY
Catalog Number: S123RDIP-S340D365U927-4F0-1E-UDD-A4
Description: DEFINE 3 DIRECT-INDIRECT PENDANT LED LUMINAIRE
DOWNLIGHT 340 LUMENS PER FOOT, ASYMMETRIC DIFFUSER, REGRESSED HOUSING
UPLIGHT 365 LUMENS PER FOOT, BATWING OPTIC
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2115.0 lumens
Efficiency: N/A
Efficacy: 104.2 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: General Diffuse

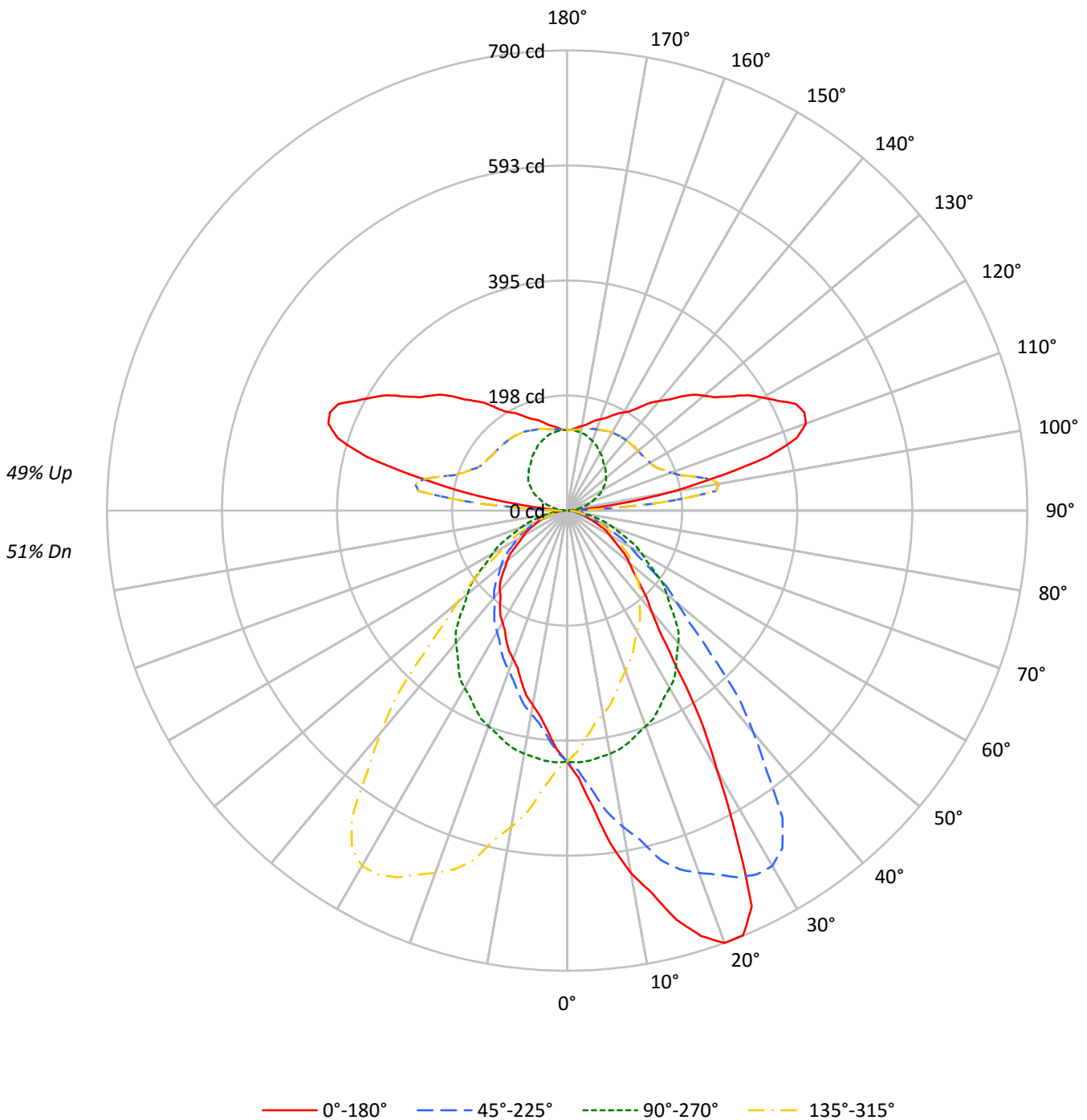
Input Watts (W): 20.3
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P332242-927

CATALOG NUMBER: S123RDIP-S340D365U927-4F0-1E-UDD-A4

Luminous Intensity Polar Plot





TEST NUMBER: P332242-927

CATALOG NUMBER: S123RDIP-S340D365U927-4F0-1E-UDD-A4

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	107	107	107	107	99	99	99	99	84	84	84	70	70	70	57	57	57	51
1	99	94	91	87	91	87	84	81	74	72	70	62	61	59	51	50	49	44
2	90	83	77	72	83	77	72	68	66	62	59	55	53	50	46	44	42	38
3	83	74	67	61	76	68	62	57	59	54	50	49	46	43	41	39	37	33
4	76	66	58	52	70	61	54	49	52	47	43	44	41	38	37	34	32	29
5	70	59	51	45	64	55	48	43	47	42	38	40	36	33	34	31	28	25
6	65	53	45	39	60	49	42	37	43	37	33	37	32	29	31	28	25	22
7	60	48	40	35	55	45	38	33	39	33	29	33	29	26	28	25	23	20
8	56	44	36	31	51	41	34	29	36	30	26	31	26	23	26	23	20	18
9	52	40	33	28	48	37	31	26	33	27	24	28	24	21	24	21	18	16
10	48	37	30	25	45	34	28	24	30	25	21	26	22	19	22	19	17	15

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



TEST NUMBER: P332242-927

CATALOG NUMBER: S123RDIP-S340D365U927-4F0-1E-UDD-A4

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	42.4	2.0
10°-20°	132.5	6.3
20°-30°	208.1	9.8
30°-40°	217.1	10.3
40°-50°	185.8	8.8
50°-60°	141.6	6.7
60°-70°	90.8	4.3
70°-80°	43.7	2.1
80°-90°	12.6	0.6
90°-100°	77.0	3.6
100°-110°	217.9	10.3
110°-120°	214.4	10.1
120°-130°	171.0	8.1
130°-140°	134.8	6.4
140°-150°	100.6	4.8
150°-160°	70.1	3.3
160°-170°	41.2	1.9
170°-180°	13.4	0.6
0°-30°	382.9	18.1
0°-40°	600.1	28.4
0°-60°	927.5	43.9
0°-90°	1074.5	50.8
90°-120°	509.3	24.1
90°-150°	915.7	43.3
90°-180°	1040.0	49.2
0°-180°	2115.0	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	7
90°	8	1	8	1	8	4
95°	32	10	32	10	32	59
105°	356	32	356	32	356	351
115°	433	57	433	57	433	421
125°	342	80	342	80	342	309
135°	277	94	277	94	277	215
145°	216	107	216	107	216	138
155°	179	121	179	121	179	84
165°	156	132	156	132	156	45
175°	141	138	141	138	141	14
180°	138	138	138	138	138	



TEST NUMBER: P332242-927

CATALOG NUMBER: S123RDIP-S340D365U927-4F0-1E-UDD-A4

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°	3.1	3.5	3.1	3.2	3.2	3.2	3.2	3.2	3.4	3.3	3.3
90°	8.1	8.4	8.1	7.8	8.1	7.5	7.3	7.0	6.7	7.0	6.2
92.5°	13.5	14.0	13.7	14.6	15.1	16.5	18.7	23.6	32.5	43.0	47.4
95°	32.5	33.6	35.6	38.1	43.4	53.5	68.3	100.8	134.7	166.0	147.8
97.5°	88.4	90.8	98.4	111.0	131.7	165.1	201.2	251.2	275.2	257.3	188.4
100°	175.5	175.2	186.2	206.6	234.9	274.6	307.4	330.0	320.3	265.1	179.2
102.5°	257.5	264.0	273.1	289.2	311.2	336.4	355.5	356.2	322.5	250.6	165.7
105°	356.1	357.5	366.5	377.1	390.0	397.2	391.9	363.9	305.4	225.1	149.2
107.5°	412.9	415.4	418.4	422.1	421.8	411.9	387.3	341.8	275.5	202.6	138.7
110°	436.2	436.7	437.3	435.1	427.2	407.6	372.3	320.8	256.7	189.8	134.7



TEST NUMBER: P332242-927

CATALOG NUMBER: S123RDIP-S340D365U927-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	440.8	440.8	438.6	431.7	417.3	392.1	352.6	300.0	240.3	181.3	132.4
115°	433.1	431.7	426.0	413.8	392.8	362.3	321.1	272.4	220.6	172.1	131.6
117.5°	408.3	406.4	398.4	384.3	362.3	331.4	294.5	252.4	208.7	166.8	132.1
120°	387.7	386.0	379.3	363.6	341.5	313.2	279.6	241.9	202.4	164.3	133.0
122.5°	368.4	366.3	358.9	344.8	325.2	298.9	267.8	233.6	197.3	162.8	134.5
125°	341.5	339.6	332.6	320.3	302.4	280.0	253.1	222.5	190.7	160.7	136.9
127.5°	319.3	317.6	311.2	300.7	284.8	264.4	240.1	212.9	184.8	159.7	139.6
130°	306.8	304.6	298.7	288.6	273.8	254.8	232.1	206.8	181.6	159.0	141.4
132.5°	294.5	292.9	287.7	277.7	263.7	245.6	224.4	201.3	178.8	158.8	142.8
135°	276.9	274.9	269.9	261.5	247.7	231.8	213.6	193.7	175.0	158.4	144.7
137.5°	258.3	256.9	252.7	244.2	232.7	218.8	203.1	186.8	171.7	157.8	146.1
140°	245.3	245.5	241.1	233.2	222.5	210.5	197.1	182.8	169.6	157.6	146.9
142.5°	233.1	233.4	229.4	222.4	213.3	202.9	191.2	179.0	167.9	157.2	147.7
145°	216.4	215.9	213.6	207.7	200.7	192.6	183.6	174.4	165.4	156.5	148.1
147.5°	202.6	202.4	200.3	196.3	191.0	185.2	178.0	170.6	163.1	155.4	148.1
150°	194.6	194.6	192.9	189.8	185.6	180.3	174.4	167.9	161.5	154.6	148.1
152.5°	187.8	187.8	186.8	183.9	180.7	176.3	171.0	165.5	159.7	153.4	147.4
155°	179.4	179.2	178.6	176.3	173.8	170.5	166.3	161.8	157.0	151.5	146.7
157.5°	171.7	171.8	171.3	169.7	167.5	164.9	161.6	157.9	154.0	149.7	145.8
160°	166.8	167.2	167.2	165.4	163.5	161.5	158.8	155.7	152.0	148.4	145.3
162.5°	162.4	162.6	162.6	161.2	159.9	158.2	155.6	153.0	150.0	147.0	144.4
165°	156.5	156.5	156.8	155.7	154.6	153.1	151.1	149.5	147.3	145.0	143.1
167.5°	150.9	150.9	151.1	150.4	149.9	148.9	147.7	146.5	144.7	143.0	141.7
170°	147.5	147.5	147.8	147.3	146.9	146.4	145.3	144.4	143.1	141.6	140.9
172.5°	144.4	144.7	145.1	144.6	144.5	144.2	143.3	142.7	141.5	140.5	140.1
175°	140.9	141.1	141.4	141.1	141.1	141.1	140.5	140.2	139.7	139.1	139.1
177.5°	138.7	138.7	139.2	138.9	139.2	139.2	138.9	138.7	138.6	138.3	138.6
180°	138.3	138.3	138.3	138.3	138.3	138.3	138.3	138.3	138.3	138.3	138.3



TEST NUMBER: P332242-927

CATALOG NUMBER: S123RDIP-S340D365U927-4F0-1E-UDD-A4

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°	3.4	3.1	3.2	3.1	3.5	3.4	4.2	4.8	5.1	4.6	4.8
90°	5.3	4.5	3.6	3.1	2.5	1.7	1.1	0.6	1.1	1.7	2.5
92.5°	35.6	23.5	16.2	12.0	9.7	7.5	5.1	3.5	5.1	7.5	9.7
95°	101.9	60.2	36.4	25.5	18.2	13.5	10.4	9.5	10.4	13.5	18.2
97.5°	111.8	64.8	42.1	30.3	23.1	18.9	16.5	16.2	16.5	18.9	23.1
100°	105.5	64.1	44.5	33.6	26.9	23.0	21.0	20.8	21.0	23.0	26.9
102.5°	100.1	65.0	47.5	37.4	31.4	27.6	25.9	25.4	25.9	27.6	31.4
105°	96.3	67.5	52.4	43.6	38.3	35.0	33.4	32.5	33.4	35.0	38.3
107.5°	96.0	72.1	58.8	50.7	45.7	42.5	40.8	40.0	40.8	42.5	45.7
110°	97.1	75.9	63.3	55.5	50.7	47.6	46.2	45.3	46.2	47.6	50.7



TEST NUMBER: P332242-927

CATALOG NUMBER: S123RDIP-S340D365U927-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	99.4	79.7	68.0	60.4	55.6	52.5	51.1	50.3	51.1	52.5	55.6
115°	103.0	86.0	75.3	67.7	63.0	60.2	58.5	57.4	58.5	60.2	63.0
117.5°	107.8	92.6	82.1	75.1	69.8	67.2	65.8	64.5	65.8	67.2	69.8
120°	111.4	96.9	86.7	79.8	74.5	71.7	70.3	69.4	70.3	71.7	74.5
122.5°	114.8	101.3	91.5	84.1	79.0	75.9	74.5	73.7	74.5	75.9	79.0
125°	120.1	107.8	98.0	90.4	85.1	82.0	80.3	79.8	80.3	82.0	85.1
127.5°	124.5	113.4	103.9	96.3	90.5	87.4	85.2	84.4	85.2	87.4	90.5
130°	127.4	116.8	107.5	100.0	94.0	90.7	88.2	87.4	88.2	90.7	94.0
132.5°	130.1	119.6	110.7	103.3	97.4	93.4	90.6	89.6	90.6	93.4	97.4
135°	133.6	124.0	115.3	107.8	101.9	97.7	94.6	93.5	94.6	97.7	101.9
137.5°	136.1	127.1	118.7	111.7	105.8	101.4	98.4	97.2	98.4	101.4	105.8
140°	137.4	129.0	121.0	113.9	108.4	103.9	101.1	99.7	101.1	103.9	108.4
142.5°	138.8	130.6	122.7	116.2	110.6	106.5	103.5	102.3	103.5	106.5	110.6
145°	140.2	132.7	125.4	119.0	114.2	110.0	107.5	106.6	107.5	110.0	114.2
147.5°	141.2	134.4	127.7	122.2	117.6	114.0	111.5	111.1	111.5	114.0	117.6
150°	141.4	135.5	129.0	124.0	120.1	116.5	114.2	113.9	114.2	116.5	120.1
152.5°	141.8	136.2	130.6	125.8	122.3	119.1	116.9	116.8	116.9	119.1	122.3
155°	142.0	137.4	132.7	128.8	125.7	122.9	121.2	121.2	121.2	122.9	125.7
157.5°	142.2	138.2	134.4	131.3	128.7	126.3	124.9	124.7	124.9	126.3	128.7
160°	142.2	138.9	135.5	132.7	130.7	128.5	127.4	127.4	127.4	128.5	130.7
162.5°	142.0	139.1	136.2	133.8	132.1	130.3	129.4	129.4	129.4	130.3	132.1
165°	141.4	139.4	137.2	135.2	134.1	132.7	132.1	132.4	132.1	132.7	134.1
167.5°	140.9	139.3	137.8	136.5	135.7	134.7	134.4	134.7	134.4	134.7	135.7
170°	140.2	139.1	137.8	137.2	136.6	135.8	135.5	136.0	135.5	135.8	136.6
172.5°	140.1	139.1	137.9	137.6	137.3	136.7	136.6	137.0	136.6	136.7	137.3
175°	139.4	138.9	138.3	138.0	138.0	137.4	137.8	138.0	137.8	137.4	138.0
177.5°	138.9	138.6	138.3	138.3	138.3	138.1	138.3	138.6	138.3	138.1	138.3
180°	138.3	138.3	138.3	138.3	138.3	138.3	138.3	138.3	138.3	138.3	138.3



TEST NUMBER: P332242-927

CATALOG NUMBER: S123RDIP-S340D365U927-4F0-1E-UDD-A4

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°	4.8	5.3	5.6	5.9	6.3	6.3	6.3	6.4	6.7	6.7	6.8
90°	3.1	3.6	4.5	5.3	6.2	7.0	6.7	7.0	7.3	7.5	8.1
92.5°	12.0	16.2	23.5	35.6	47.4	43.0	32.5	23.6	18.7	16.5	15.1
95°	25.5	36.4	60.2	101.9	147.8	166.0	134.7	100.8	68.3	53.5	43.4
97.5°	30.3	42.1	64.8	111.8	188.4	257.3	275.2	251.2	201.2	165.1	131.7
100°	33.6	44.5	64.1	105.5	179.2	265.1	320.3	330.0	307.4	274.6	234.9
102.5°	37.4	47.5	65.0	100.1	165.7	250.6	322.5	356.2	355.5	336.4	311.2
105°	43.6	52.4	67.5	96.3	149.2	225.1	305.4	363.9	391.9	397.2	390.0
107.5°	50.7	58.8	72.1	96.0	138.7	202.6	275.5	341.8	387.3	411.9	421.8
110°	55.5	63.3	75.9	97.1	134.7	189.8	256.7	320.8	372.3	407.6	427.2



TEST NUMBER: P332242-927

CATALOG NUMBER: S123RDIP-S340D365U927-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	60.4	68.0	79.7	99.4	132.4	181.3	240.3	300.0	352.6	392.1	417.3
115°	67.7	75.3	86.0	103.0	131.6	172.1	220.6	272.4	321.1	362.3	392.8
117.5°	75.1	82.1	92.6	107.8	132.1	166.8	208.7	252.4	294.5	331.4	362.3
120°	79.8	86.7	96.9	111.4	133.0	164.3	202.4	241.9	279.6	313.2	341.5
122.5°	84.1	91.5	101.3	114.8	134.5	162.8	197.3	233.6	267.8	298.9	325.2
125°	90.4	98.0	107.8	120.1	136.9	160.7	190.7	222.5	253.1	280.0	302.4
127.5°	96.3	103.9	113.4	124.5	139.6	159.7	184.8	212.9	240.1	264.4	284.8
130°	100.0	107.5	116.8	127.4	141.4	159.0	181.6	206.8	232.1	254.8	273.8
132.5°	103.3	110.7	119.6	130.1	142.8	158.8	178.8	201.3	224.4	245.6	263.7
135°	107.8	115.3	124.0	133.6	144.7	158.4	175.0	193.7	213.6	231.8	247.7
137.5°	111.7	118.7	127.1	136.1	146.1	157.8	171.7	186.8	203.1	218.8	232.7
140°	113.9	121.0	129.0	137.4	146.9	157.6	169.6	182.8	197.1	210.5	222.5
142.5°	116.2	122.7	130.6	138.8	147.7	157.2	167.9	179.0	191.2	202.9	213.3
145°	119.0	125.4	132.7	140.2	148.1	156.5	165.4	174.4	183.6	192.6	200.7
147.5°	122.2	127.7	134.4	141.2	148.1	155.4	163.1	170.6	178.0	185.2	191.0
150°	124.0	129.0	135.5	141.4	148.1	154.6	161.5	167.9	174.4	180.3	185.6
152.5°	125.8	130.6	136.2	141.8	147.4	153.4	159.7	165.5	171.0	176.3	180.7
155°	128.8	132.7	137.4	142.0	146.7	151.5	157.0	161.8	166.3	170.5	173.8
157.5°	131.3	134.4	138.2	142.2	145.8	149.7	154.0	157.9	161.6	164.9	167.5
160°	132.7	135.5	138.9	142.2	145.3	148.4	152.0	155.7	158.8	161.5	163.5
162.5°	133.8	136.2	139.1	142.0	144.4	147.0	150.0	153.0	155.6	158.2	159.9
165°	135.2	137.2	139.4	141.4	143.1	145.0	147.3	149.5	151.1	153.1	154.6
167.5°	136.5	137.8	139.3	140.9	141.7	143.0	144.7	146.5	147.7	148.9	149.9
170°	137.2	137.8	139.1	140.2	140.9	141.6	143.1	144.4	145.3	146.4	146.9
172.5°	137.6	137.9	139.1	140.1	140.1	140.5	141.5	142.7	143.3	144.2	144.5
175°	138.0	138.3	138.9	139.4	139.1	139.1	139.7	140.2	140.5	141.1	141.1
177.5°	138.3	138.3	138.6	138.9	138.6	138.3	138.6	138.7	138.9	139.2	139.2
180°	138.3	138.3	138.3	138.3	138.3	138.3	138.3	138.3	138.3	138.3	138.3



TEST NUMBER: P332242-927

CATALOG NUMBER: S123RDIP-S340D365U927-4F0-1E-UDD-A4

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°	7.1	6.8	6.8	7.0	6.8	6.8	7.1	6.8	6.7	6.7	6.4
90°	7.8	8.1	8.4	8.1	8.4	8.1	7.8	8.1	7.5	7.3	7.0
92.5°	14.6	13.7	14.0	13.5	14.0	13.7	14.6	15.1	16.5	18.7	23.6
95°	38.1	35.6	33.6	32.5	33.6	35.6	38.1	43.4	53.5	68.3	100.8
97.5°	111.0	98.4	90.8	88.4	90.8	98.4	111.0	131.7	165.1	201.2	251.2
100°	206.6	186.2	175.2	175.5	175.2	186.2	206.6	234.9	274.6	307.4	330.0
102.5°	289.2	273.1	264.0	257.5	264.0	273.1	289.2	311.2	336.4	355.5	356.2
105°	377.1	366.5	357.5	356.1	357.5	366.5	377.1	390.0	397.2	391.9	363.9
107.5°	422.1	418.4	415.4	412.9	415.4	418.4	422.1	421.8	411.9	387.3	341.8
110°	435.1	437.3	436.7	436.2	436.7	437.3	435.1	427.2	407.6	372.3	320.8



TEST NUMBER: P332242-927

CATALOG NUMBER: S123RDIP-S340D365U927-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	431.7	438.6	440.8	440.8	440.8	438.6	431.7	417.3	392.1	352.6	300.0
115°	413.8	426.0	431.7	433.1	431.7	426.0	413.8	392.8	362.3	321.1	272.4
117.5°	384.3	398.4	406.4	408.3	406.4	398.4	384.3	362.3	331.4	294.5	252.4
120°	363.6	379.3	386.0	387.7	386.0	379.3	363.6	341.5	313.2	279.6	241.9
122.5°	344.8	358.9	366.3	368.4	366.3	358.9	344.8	325.2	298.9	267.8	233.6
125°	320.3	332.6	339.6	341.5	339.6	332.6	320.3	302.4	280.0	253.1	222.5
127.5°	300.7	311.2	317.6	319.3	317.6	311.2	300.7	284.8	264.4	240.1	212.9
130°	288.6	298.7	304.6	306.8	304.6	298.7	288.6	273.8	254.8	232.1	206.8
132.5°	277.7	287.7	292.9	294.5	292.9	287.7	277.7	263.7	245.6	224.4	201.3
135°	261.5	269.9	274.9	276.9	274.9	269.9	261.5	247.7	231.8	213.6	193.7
137.5°	244.2	252.7	256.9	258.3	256.9	252.7	244.2	232.7	218.8	203.1	186.8
140°	233.2	241.1	245.5	245.3	245.5	241.1	233.2	222.5	210.5	197.1	182.8
142.5°	222.4	229.4	233.4	233.1	233.4	229.4	222.4	213.3	202.9	191.2	179.0
145°	207.7	213.6	215.9	216.4	215.9	213.6	207.7	200.7	192.6	183.6	174.4
147.5°	196.3	200.3	202.4	202.6	202.4	200.3	196.3	191.0	185.2	178.0	170.6
150°	189.8	192.9	194.6	194.6	194.6	192.9	189.8	185.6	180.3	174.4	167.9
152.5°	183.9	186.8	187.8	187.8	187.8	186.8	183.9	180.7	176.3	171.0	165.5
155°	176.3	178.6	179.2	179.4	179.2	178.6	176.3	173.8	170.5	166.3	161.8
157.5°	169.7	171.3	171.8	171.7	171.8	171.3	169.7	167.5	164.9	161.6	157.9
160°	165.4	167.2	167.2	166.8	167.2	167.2	165.4	163.5	161.5	158.8	155.7
162.5°	161.2	162.6	162.6	162.4	162.6	162.6	161.2	159.9	158.2	155.6	153.0
165°	155.7	156.8	156.5	156.5	156.5	156.8	155.7	154.6	153.1	151.1	149.5
167.5°	150.4	151.1	150.9	150.9	150.9	151.1	150.4	149.9	148.9	147.7	146.5
170°	147.3	147.8	147.5	147.5	147.5	147.8	147.3	146.9	146.4	145.3	144.4
172.5°	144.6	145.1	144.7	144.4	144.7	145.1	144.6	144.5	144.2	143.3	142.7
175°	141.1	141.4	141.1	140.9	141.1	141.4	141.1	141.1	141.1	140.5	140.2
177.5°	138.9	139.2	138.7	138.7	138.7	139.2	138.9	139.2	139.2	138.9	138.7
180°	138.3	138.3	138.3	138.3	138.3	138.3	138.3	138.3	138.3	138.3	138.3



TEST NUMBER: P332242-927

CATALOG NUMBER: S123RDIP-S340D365U927-4F0-1E-UDD-A4

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°	6.3	6.3	6.3	5.9	5.6	5.3	4.8	4.8	4.6	5.1	4.8
90°	6.7	7.0	6.2	5.3	4.5	3.6	3.1	2.5	1.7	1.1	0.6
92.5°	32.5	43.0	47.4	35.6	23.5	16.2	12.0	9.7	7.5	5.1	3.5
95°	134.7	166.0	147.8	101.9	60.2	36.4	25.5	18.2	13.5	10.4	9.5
97.5°	275.2	257.3	188.4	111.8	64.8	42.1	30.3	23.1	18.9	16.5	16.2
100°	320.3	265.1	179.2	105.5	64.1	44.5	33.6	26.9	23.0	21.0	20.8
102.5°	322.5	250.6	165.7	100.1	65.0	47.5	37.4	31.4	27.6	25.9	25.4
105°	305.4	225.1	149.2	96.3	67.5	52.4	43.6	38.3	35.0	33.4	32.5
107.5°	275.5	202.6	138.7	96.0	72.1	58.8	50.7	45.7	42.5	40.8	40.0
110°	256.7	189.8	134.7	97.1	75.9	63.3	55.5	50.7	47.6	46.2	45.3



TEST NUMBER: P332242-927

CATALOG NUMBER: S123RDIP-S340D365U927-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	240.3	181.3	132.4	99.4	79.7	68.0	60.4	55.6	52.5	51.1	50.3
115°	220.6	172.1	131.6	103.0	86.0	75.3	67.7	63.0	60.2	58.5	57.4
117.5°	208.7	166.8	132.1	107.8	92.6	82.1	75.1	69.8	67.2	65.8	64.5
120°	202.4	164.3	133.0	111.4	96.9	86.7	79.8	74.5	71.7	70.3	69.4
122.5°	197.3	162.8	134.5	114.8	101.3	91.5	84.1	79.0	75.9	74.5	73.7
125°	190.7	160.7	136.9	120.1	107.8	98.0	90.4	85.1	82.0	80.3	79.8
127.5°	184.8	159.7	139.6	124.5	113.4	103.9	96.3	90.5	87.4	85.2	84.4
130°	181.6	159.0	141.4	127.4	116.8	107.5	100.0	94.0	90.7	88.2	87.4
132.5°	178.8	158.8	142.8	130.1	119.6	110.7	103.3	97.4	93.4	90.6	89.6
135°	175.0	158.4	144.7	133.6	124.0	115.3	107.8	101.9	97.7	94.6	93.5
137.5°	171.7	157.8	146.1	136.1	127.1	118.7	111.7	105.8	101.4	98.4	97.2
140°	169.6	157.6	146.9	137.4	129.0	121.0	113.9	108.4	103.9	101.1	99.7
142.5°	167.9	157.2	147.7	138.8	130.6	122.7	116.2	110.6	106.5	103.5	102.3
145°	165.4	156.5	148.1	140.2	132.7	125.4	119.0	114.2	110.0	107.5	106.6
147.5°	163.1	155.4	148.1	141.2	134.4	127.7	122.2	117.6	114.0	111.5	111.1
150°	161.5	154.6	148.1	141.4	135.5	129.0	124.0	120.1	116.5	114.2	113.9
152.5°	159.7	153.4	147.4	141.8	136.2	130.6	125.8	122.3	119.1	116.9	116.8
155°	157.0	151.5	146.7	142.0	137.4	132.7	128.8	125.7	122.9	121.2	121.2
157.5°	154.0	149.7	145.8	142.2	138.2	134.4	131.3	128.7	126.3	124.9	124.7
160°	152.0	148.4	145.3	142.2	138.9	135.5	132.7	130.7	128.5	127.4	127.4
162.5°	150.0	147.0	144.4	142.0	139.1	136.2	133.8	132.1	130.3	129.4	129.4
165°	147.3	145.0	143.1	141.4	139.4	137.2	135.2	134.1	132.7	132.1	132.4
167.5°	144.7	143.0	141.7	140.9	139.3	137.8	136.5	135.7	134.7	134.4	134.7
170°	143.1	141.6	140.9	140.2	139.1	137.8	137.2	136.6	135.8	135.5	136.0
172.5°	141.5	140.5	140.1	140.1	139.1	137.9	137.6	137.3	136.7	136.6	137.0
175°	139.7	139.1	139.1	139.4	138.9	138.3	138.0	138.0	137.4	137.8	138.0
177.5°	138.6	138.3	138.6	138.9	138.6	138.3	138.3	138.3	138.1	138.3	138.6
180°	138.3	138.3	138.3	138.3	138.3	138.3	138.3	138.3	138.3	138.3	138.3



TEST NUMBER: P332242-927

CATALOG NUMBER: S123RDIP-S340D365U927-4F0-1E-UDD-A4

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°	4.2	3.4	3.5	3.1	3.2	3.1	3.4	3.3	3.3	3.4	3.2
90°	1.1	1.7	2.5	3.1	3.6	4.5	5.3	6.2	7.0	6.7	7.0
92.5°	5.1	7.5	9.7	12.0	16.2	23.5	35.6	47.4	43.0	32.5	23.6
95°	10.4	13.5	18.2	25.5	36.4	60.2	101.9	147.8	166.0	134.7	100.8
97.5°	16.5	18.9	23.1	30.3	42.1	64.8	111.8	188.4	257.3	275.2	251.2
100°	21.0	23.0	26.9	33.6	44.5	64.1	105.5	179.2	265.1	320.3	330.0
102.5°	25.9	27.6	31.4	37.4	47.5	65.0	100.1	165.7	250.6	322.5	356.2
105°	33.4	35.0	38.3	43.6	52.4	67.5	96.3	149.2	225.1	305.4	363.9
107.5°	40.8	42.5	45.7	50.7	58.8	72.1	96.0	138.7	202.6	275.5	341.8
110°	46.2	47.6	50.7	55.5	63.3	75.9	97.1	134.7	189.8	256.7	320.8



TEST NUMBER: P332242-927

CATALOG NUMBER: S123RDIP-S340D365U927-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	51.1	52.5	55.6	60.4	68.0	79.7	99.4	132.4	181.3	240.3	300.0
115°	58.5	60.2	63.0	67.7	75.3	86.0	103.0	131.6	172.1	220.6	272.4
117.5°	65.8	67.2	69.8	75.1	82.1	92.6	107.8	132.1	166.8	208.7	252.4
120°	70.3	71.7	74.5	79.8	86.7	96.9	111.4	133.0	164.3	202.4	241.9
122.5°	74.5	75.9	79.0	84.1	91.5	101.3	114.8	134.5	162.8	197.3	233.6
125°	80.3	82.0	85.1	90.4	98.0	107.8	120.1	136.9	160.7	190.7	222.5
127.5°	85.2	87.4	90.5	96.3	103.9	113.4	124.5	139.6	159.7	184.8	212.9
130°	88.2	90.7	94.0	100.0	107.5	116.8	127.4	141.4	159.0	181.6	206.8
132.5°	90.6	93.4	97.4	103.3	110.7	119.6	130.1	142.8	158.8	178.8	201.3
135°	94.6	97.7	101.9	107.8	115.3	124.0	133.6	144.7	158.4	175.0	193.7
137.5°	98.4	101.4	105.8	111.7	118.7	127.1	136.1	146.1	157.8	171.7	186.8
140°	101.1	103.9	108.4	113.9	121.0	129.0	137.4	146.9	157.6	169.6	182.8
142.5°	103.5	106.5	110.6	116.2	122.7	130.6	138.8	147.7	157.2	167.9	179.0
145°	107.5	110.0	114.2	119.0	125.4	132.7	140.2	148.1	156.5	165.4	174.4
147.5°	111.5	114.0	117.6	122.2	127.7	134.4	141.2	148.1	155.4	163.1	170.6
150°	114.2	116.5	120.1	124.0	129.0	135.5	141.4	148.1	154.6	161.5	167.9
152.5°	116.9	119.1	122.3	125.8	130.6	136.2	141.8	147.4	153.4	159.7	165.5
155°	121.2	122.9	125.7	128.8	132.7	137.4	142.0	146.7	151.5	157.0	161.8
157.5°	124.9	126.3	128.7	131.3	134.4	138.2	142.2	145.8	149.7	154.0	157.9
160°	127.4	128.5	130.7	132.7	135.5	138.9	142.2	145.3	148.4	152.0	155.7
162.5°	129.4	130.3	132.1	133.8	136.2	139.1	142.0	144.4	147.0	150.0	153.0
165°	132.1	132.7	134.1	135.2	137.2	139.4	141.4	143.1	145.0	147.3	149.5
167.5°	134.4	134.7	135.7	136.5	137.8	139.3	140.9	141.7	143.0	144.7	146.5
170°	135.5	135.8	136.6	137.2	137.8	139.1	140.2	140.9	141.6	143.1	144.4
172.5°	136.6	136.7	137.3	137.6	137.9	139.1	140.1	140.1	140.5	141.5	142.7
175°	137.8	137.4	138.0	138.0	138.3	138.9	139.4	139.1	139.1	139.7	140.2
177.5°	138.3	138.1	138.3	138.3	138.3	138.6	138.9	138.6	138.3	138.6	138.7
180°	138.3	138.3	138.3	138.3	138.3	138.3	138.3	138.3	138.3	138.3	138.3



TEST NUMBER: P332242-927

CATALOG NUMBER: S123RDIP-S340D365U927-4F0-1E-UDD-A4

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°	3.2	3.2	3.2	3.2	3.1	3.5	3.1
90°	7.3	7.5	8.1	7.8	8.1	8.4	8.1
92.5°	18.7	16.5	15.1	14.6	13.7	14.0	13.5
95°	68.3	53.5	43.4	38.1	35.6	33.6	32.5
97.5°	201.2	165.1	131.7	111.0	98.4	90.8	88.4
100°	307.4	274.6	234.9	206.6	186.2	175.2	175.5
102.5°	355.5	336.4	311.2	289.2	273.1	264.0	257.5
105°	391.9	397.2	390.0	377.1	366.5	357.5	356.1
107.5°	387.3	411.9	421.8	422.1	418.4	415.4	412.9
110°	372.3	407.6	427.2	435.1	437.3	436.7	436.2



TEST NUMBER: P332242-927

CATALOG NUMBER: S123RDIP-S340D365U927-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
112.5°	352.6	392.1	417.3	431.7	438.6	440.8	440.8
115°	321.1	362.3	392.8	413.8	426.0	431.7	433.1
117.5°	294.5	331.4	362.3	384.3	398.4	406.4	408.3
120°	279.6	313.2	341.5	363.6	379.3	386.0	387.7
122.5°	267.8	298.9	325.2	344.8	358.9	366.3	368.4
125°	253.1	280.0	302.4	320.3	332.6	339.6	341.5
127.5°	240.1	264.4	284.8	300.7	311.2	317.6	319.3
130°	232.1	254.8	273.8	288.6	298.7	304.6	306.8
132.5°	224.4	245.6	263.7	277.7	287.7	292.9	294.5
135°	213.6	231.8	247.7	261.5	269.9	274.9	276.9
137.5°	203.1	218.8	232.7	244.2	252.7	256.9	258.3
140°	197.1	210.5	222.5	233.2	241.1	245.5	245.3
142.5°	191.2	202.9	213.3	222.4	229.4	233.4	233.1
145°	183.6	192.6	200.7	207.7	213.6	215.9	216.4
147.5°	178.0	185.2	191.0	196.3	200.3	202.4	202.6
150°	174.4	180.3	185.6	189.8	192.9	194.6	194.6
152.5°	171.0	176.3	180.7	183.9	186.8	187.8	187.8
155°	166.3	170.5	173.8	176.3	178.6	179.2	179.4
157.5°	161.6	164.9	167.5	169.7	171.3	171.8	171.7
160°	158.8	161.5	163.5	165.4	167.2	167.2	166.8
162.5°	155.6	158.2	159.9	161.2	162.6	162.6	162.4
165°	151.1	153.1	154.6	155.7	156.8	156.5	156.5
167.5°	147.7	148.9	149.9	150.4	151.1	150.9	150.9
170°	145.3	146.4	146.9	147.3	147.8	147.5	147.5
172.5°	143.3	144.2	144.5	144.6	145.1	144.7	144.4
175°	140.5	141.1	141.1	141.1	141.4	141.1	140.9
177.5°	138.9	139.2	139.2	138.9	139.2	138.7	138.7
180°	138.3	138.3	138.3	138.3	138.3	138.3	138.3

(END OF REPORT)