

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: P332247-927

Luminaire Tested: **S123RDIP-S340D585U927-4F0-1E-UDD-A1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P332247-927
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1807-864-9,
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-A1
Description: DEFINE 3 DIRECT-INDIRECT PENDANT LED LUMINAIRE
DOWNLIGHT 340 LUMENS PER FOOT, ASYMMETRIC DIFFUSER, REGRESSED HOUSING
UPLIGHT 585 LUMENS PER FOOT, FLUSH SATIN WHITE DIFFUSER
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2668.8 lumens
Efficiency: N/A
Efficacy: 104.3 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

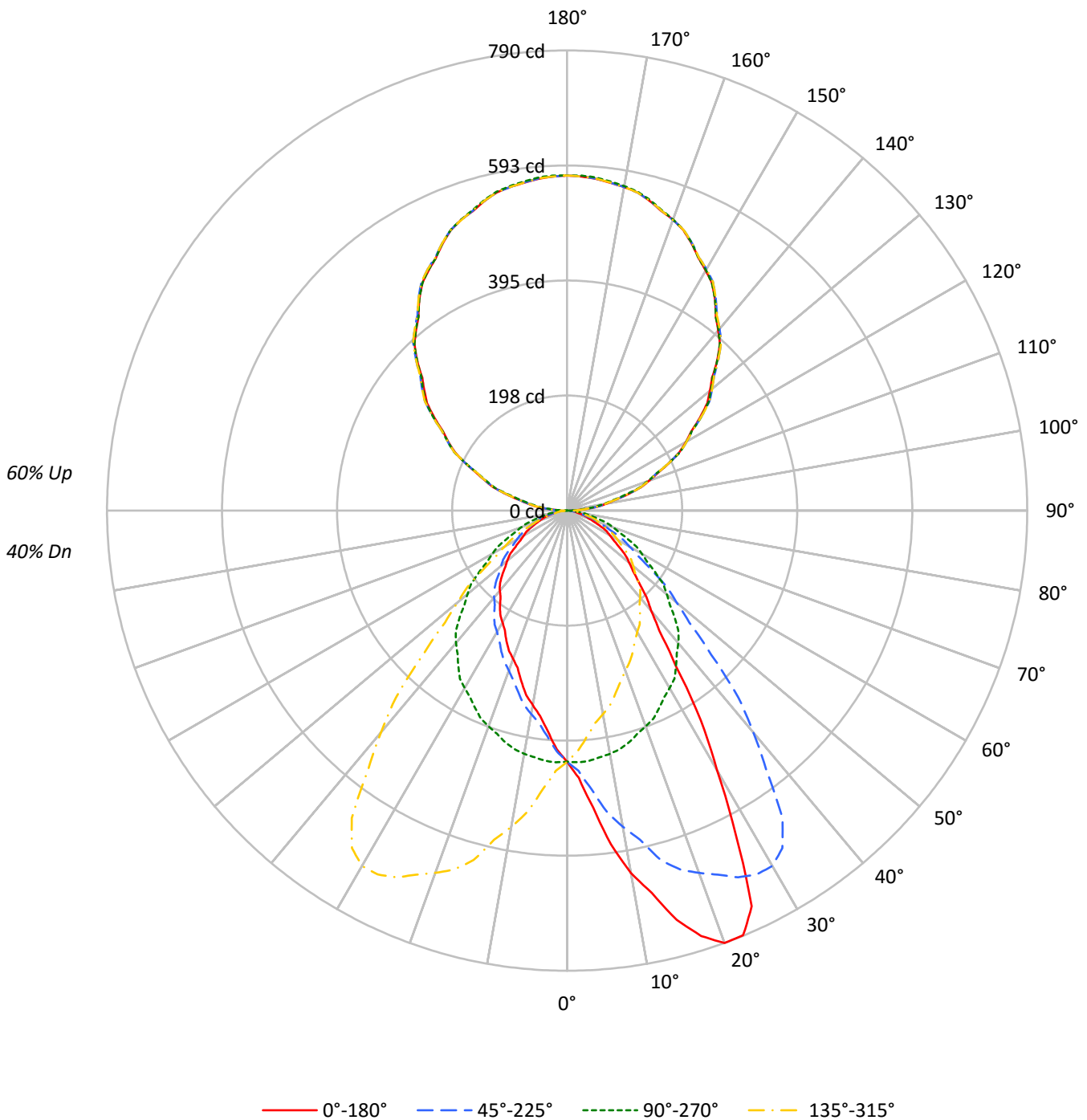
Input Watts (W): 25.6
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P332247-927

CATALOG NUMBER: S123RDIP-S340D585U927-4F0-1E-UDD-A1

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	105	105	105	105	95	95	95	95	78	78	78	62	62	62	47	47	47	40
1	96	92	88	85	87	84	81	78	69	67	65	55	54	52	42	42	41	35
2	88	81	75	70	80	74	69	65	61	57	54	49	47	44	38	36	35	30
3	80	71	64	59	73	65	59	55	54	50	46	44	41	38	34	32	30	26
4	74	63	56	50	67	58	52	47	48	44	40	39	36	33	31	28	26	23
5	68	57	49	43	62	52	45	40	43	38	35	35	32	29	28	25	23	20
6	63	51	43	38	57	47	40	35	39	34	30	32	28	25	25	23	21	18
7	58	46	38	33	53	42	36	31	36	30	27	29	25	23	23	21	19	16
8	54	42	34	29	49	39	32	27	33	27	24	27	23	20	21	19	17	14
9	50	38	31	26	46	35	29	25	30	25	21	25	21	18	20	17	15	13
10	47	35	28	23	43	32	26	22	27	23	19	23	19	17	18	16	14	12

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: P332247-927

CATALOG NUMBER: S123RDIP-S340D585U927-4F0-1E-UDD-A1

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	42.4	1.6
10°-20°	132.5	5.0
20°-30°	208.1	7.8
30°-40°	217.1	8.1
40°-50°	185.8	7.0
50°-60°	141.6	5.3
60°-70°	90.8	3.4
70°-80°	43.7	1.6
80°-90°	13.3	0.5
90°-100°	37.5	1.4
100°-110°	112.2	4.2
110°-120°	190.8	7.1
120°-130°	250.9	9.4
130°-140°	282.0	10.6
140°-150°	277.2	10.4
150°-160°	233.4	8.7
160°-170°	155.4	5.8
170°-180°	54.4	2.0
0°-30°	382.9	14.3
0°-40°	600.1	22.5
0°-60°	927.5	34.8
0°-90°	1075.2	40.3
90°-120°	340.4	12.8
90°-150°	1150.6	43.1
90°-180°	1594.0	59.7
0°-180°	2668.8	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	7
95°	35	27	35	27	35	36
105°	108	102	108	102	108	114
115°	192	192	192	192	192	191
125°	278	281	278	281	278	248
135°	364	365	364	365	364	280
145°	442	442	442	442	442	276
155°	506	506	506	506	506	233
165°	550	552	550	552	550	155
175°	572	574	572	574	572	54
180°	575	575	575	575	575	



TEST NUMBER: P332247-927

CATALOG NUMBER: S123RDIP-S340D585U927-4F0-1E-UDD-A1

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°	18.2	18.4	18.5	18.6	18.8	18.6	18.3	18.0	17.7	17.3	16.6
95°	35.3	35.3	35.3	35.3	35.3	35.0	34.6	34.2	33.8	33.4	32.6
97.5°	54.2	54.3	54.3	54.3	54.3	54.2	53.7	53.2	52.8	52.4	51.7
100°	68.7	68.4	68.3	68.0	67.9	67.7	67.3	67.0	66.7	66.4	65.9
102.5°	83.5	83.6	83.6	83.7	83.7	83.5	83.3	82.9	82.6	82.3	81.7
105°	107.6	107.3	107.1	106.9	106.7	106.6	106.6	106.6	106.6	106.6	105.8
107.5°	132.6	132.7	132.8	132.9	133.1	132.9	132.6	132.3	132.0	131.7	131.3
110°	149.6	149.8	150.0	150.2	150.4	150.3	149.9	149.5	149.1	148.7	148.5



TEST NUMBER: P332247-927

CATALOG NUMBER: S123RDIP-S340D585U927-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	167.6	167.7	167.7	167.8	167.8	167.5	167.1	166.6	166.1	165.6	165.6
115°	192.5	192.6	192.7	192.8	192.9	192.9	192.8	192.7	192.6	192.5	192.7
117.5°	217.7	218.0	218.2	218.6	218.8	219.0	219.0	219.0	219.0	219.0	219.4
120°	235.4	235.6	235.8	236.0	236.2	236.4	236.5	236.5	236.7	236.8	237.3
122.5°	252.4	252.7	252.9	253.3	253.5	253.8	254.1	254.3	254.6	254.8	255.1
125°	277.9	278.3	278.7	279.1	279.5	279.9	280.3	280.7	281.1	281.5	281.7
127.5°	303.2	303.7	304.2	304.7	305.1	305.6	306.2	306.7	307.4	307.9	308.1
130°	319.9	320.6	321.3	322.0	322.7	323.3	323.7	324.1	324.5	324.9	325.2
132.5°	337.2	337.8	338.3	338.9	339.5	339.9	340.4	340.9	341.4	341.9	342.1
135°	364.2	364.4	364.6	364.8	365.0	365.3	365.7	366.1	366.5	366.9	367.0
137.5°	387.9	388.3	388.7	389.1	389.5	389.9	390.3	390.7	391.2	391.6	391.3
140°	403.5	404.2	404.9	405.6	406.3	406.7	406.8	406.9	407.0	407.1	407.0
142.5°	419.4	419.9	420.5	421.0	421.6	421.9	422.0	422.1	422.2	422.3	422.2
145°	442.4	442.8	443.1	443.5	443.9	444.3	444.3	444.4	444.5	444.7	444.3
147.5°	462.8	463.4	464.0	464.6	465.2	465.5	465.5	465.5	465.5	465.5	465.2
150°	475.8	476.4	477.0	477.6	478.2	478.5	478.5	478.5	478.5	478.5	478.3
152.5°	488.5	489.0	489.5	490.0	490.5	490.8	490.6	490.4	490.2	490.0	490.0
155°	505.6	506.4	507.0	507.7	508.4	508.6	508.2	507.8	507.4	507.0	506.9
157.5°	521.3	521.8	522.4	522.9	523.5	523.6	523.2	522.8	522.3	521.9	521.8
160°	531.4	531.8	532.2	532.6	533.0	532.9	532.4	532.0	531.4	530.9	530.9
162.5°	539.0	539.6	540.3	540.9	541.5	541.6	541.1	540.6	540.1	539.6	539.6
165°	549.9	550.6	551.3	552.0	552.7	552.8	552.2	551.6	551.0	550.3	550.3
167.5°	559.2	559.8	560.5	561.1	561.7	561.7	561.1	560.5	559.8	559.2	559.1
170°	563.9	564.6	565.3	566.0	566.7	566.7	566.0	565.3	564.6	563.9	563.9
172.5°	567.5	568.2	568.9	569.7	570.4	570.4	569.7	569.1	568.5	567.9	567.9
175°	571.6	572.3	573.0	573.7	574.4	574.5	573.9	573.2	572.7	572.0	572.0
177.5°	573.8	574.3	574.9	575.4	576.0	576.1	575.6	575.1	574.6	574.1	574.1
180°	575.2	575.2	575.2	575.2	575.2	575.2	575.2	575.2	575.2	575.2	575.2



TEST NUMBER: P332247-927

CATALOG NUMBER: S123RDIP-S340D585U927-4F0-1E-UDD-A1

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°	15.8	15.1	14.4	13.7	13.0	12.3	11.6	10.9	11.6	12.3	13.0
95°	31.8	31.1	30.3	29.5	28.8	28.0	27.3	26.7	27.3	28.0	28.8
97.5°	51.2	50.5	50.0	49.4	49.0	48.4	47.8	47.4	47.8	48.4	49.0
100°	65.4	64.9	64.4	63.8	63.3	62.7	62.0	61.5	62.0	62.7	63.3
102.5°	81.0	80.3	79.7	79.1	78.8	78.4	78.1	77.7	78.1	78.4	78.8
105°	104.8	103.9	103.0	102.5	102.3	102.0	101.9	101.6	101.9	102.0	102.3
107.5°	130.9	130.6	130.2	130.0	129.8	129.8	129.6	129.5	129.6	129.8	129.8
110°	148.3	148.1	147.8	147.7	147.4	147.3	147.0	146.9	147.0	147.3	147.4



TEST NUMBER: P332247-927

CATALOG NUMBER: S123RDIP-S340D585U927-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	165.6	165.6	165.5	165.4	165.2	165.2	165.0	164.9	165.0	165.2	165.2
115°	192.9	193.1	193.3	193.2	193.0	192.7	192.3	192.0	192.3	192.7	193.0
117.5°	219.6	219.8	220.1	220.1	219.9	219.8	219.5	219.4	219.5	219.8	219.9
120°	237.8	238.3	238.8	238.8	238.1	237.5	236.9	236.3	236.9	237.5	238.1
122.5°	255.4	255.6	255.9	255.8	255.3	254.9	254.4	254.1	254.4	254.9	255.3
125°	281.9	282.1	282.3	282.3	281.9	281.6	281.4	281.1	281.4	281.6	281.9
127.5°	308.3	308.6	308.8	308.6	307.9	307.3	306.7	306.0	306.7	307.3	307.9
130°	325.5	325.8	326.1	325.8	325.0	324.2	323.4	322.7	323.4	324.2	325.0
132.5°	342.3	342.5	342.8	342.5	341.7	340.9	340.1	339.2	340.1	340.9	341.7
135°	367.1	367.2	367.3	367.0	366.5	365.8	365.3	364.6	365.3	365.8	366.5
137.5°	391.0	390.8	390.5	390.1	389.7	389.1	388.6	388.2	388.6	389.1	389.7
140°	406.9	406.8	406.7	406.4	405.9	405.4	404.9	404.4	404.9	405.4	405.9
142.5°	421.9	421.8	421.6	421.2	420.7	420.3	419.7	419.2	419.7	420.3	420.7
145°	444.0	443.7	443.4	443.1	443.0	442.8	442.6	442.4	442.6	442.8	443.0
147.5°	464.9	464.7	464.4	464.1	463.7	463.3	463.0	462.6	463.0	463.3	463.7
150°	478.1	477.9	477.7	477.5	477.3	477.1	476.9	476.7	476.9	477.1	477.3
152.5°	489.8	489.7	489.6	489.4	489.1	488.9	488.5	488.3	488.5	488.9	489.1
155°	506.8	506.7	506.6	506.5	506.5	506.5	506.5	506.5	506.5	506.5	506.5
157.5°	521.7	521.7	521.6	521.6	521.7	521.8	522.0	522.0	522.0	521.8	521.7
160°	530.9	530.9	530.9	531.0	531.2	531.4	531.6	531.8	531.6	531.4	531.2
162.5°	539.5	539.4	539.3	539.4	539.6	540.0	540.2	540.5	540.2	540.0	539.6
165°	550.3	550.3	550.3	550.5	550.8	551.1	551.4	551.7	551.4	551.1	550.8
167.5°	559.0	559.0	558.9	559.0	559.4	559.8	560.2	560.6	560.2	559.8	559.4
170°	563.9	563.9	563.9	564.1	564.5	564.9	565.3	565.7	565.3	564.9	564.5
172.5°	567.9	567.9	567.9	568.1	568.5	568.9	569.3	569.7	569.3	568.9	568.5
175°	572.0	572.0	572.0	572.3	572.7	573.1	573.5	573.9	573.5	573.1	572.7
177.5°	574.1	574.1	574.1	574.3	574.6	575.0	575.3	575.6	575.3	575.0	574.6
180°	575.2	575.2	575.2	575.2	575.2	575.2	575.2	575.2	575.2	575.2	575.2



TEST NUMBER: P332247-927

CATALOG NUMBER: S123RDIP-S340D585U927-4F0-1E-UDD-A1

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°	13.7	14.4	15.1	15.8	16.6	17.3	17.7	18.0	18.3	18.6	18.8
95°	29.5	30.3	31.1	31.8	32.6	33.4	33.8	34.2	34.6	35.0	35.3
97.5°	49.4	50.0	50.5	51.2	51.7	52.4	52.8	53.2	53.7	54.2	54.3
100°	63.8	64.4	64.9	65.4	65.9	66.4	66.7	67.0	67.3	67.7	67.9
102.5°	79.1	79.7	80.3	81.0	81.7	82.3	82.6	82.9	83.3	83.5	83.7
105°	102.5	103.0	103.9	104.8	105.8	106.6	106.6	106.6	106.6	106.6	106.7
107.5°	130.0	130.2	130.6	130.9	131.3	131.7	132.0	132.3	132.6	132.9	133.1
110°	147.7	147.8	148.1	148.3	148.5	148.7	149.1	149.5	149.9	150.3	150.4



TEST NUMBER: P332247-927

CATALOG NUMBER: S123RDIP-S340D585U927-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	165.4	165.5	165.6	165.6	165.6	165.6	166.1	166.6	167.1	167.5	167.8
115°	193.2	193.3	193.1	192.9	192.7	192.5	192.6	192.7	192.8	192.9	192.9
117.5°	220.1	220.1	219.8	219.6	219.4	219.0	219.0	219.0	219.0	219.0	218.8
120°	238.8	238.8	238.3	237.8	237.3	236.8	236.7	236.5	236.5	236.4	236.2
122.5°	255.8	255.9	255.6	255.4	255.1	254.8	254.6	254.3	254.1	253.8	253.5
125°	282.3	282.3	282.1	281.9	281.7	281.5	281.1	280.7	280.3	279.9	279.5
127.5°	308.6	308.8	308.6	308.3	308.1	307.9	307.4	306.7	306.2	305.6	305.1
130°	325.8	326.1	325.8	325.5	325.2	324.9	324.5	324.1	323.7	323.3	322.7
132.5°	342.5	342.8	342.5	342.3	342.1	341.9	341.4	340.9	340.4	339.9	339.5
135°	367.0	367.3	367.2	367.1	367.0	366.9	366.5	366.1	365.7	365.3	365.0
137.5°	390.1	390.5	390.8	391.0	391.3	391.6	391.2	390.7	390.3	389.9	389.5
140°	406.4	406.7	406.8	406.9	407.0	407.1	407.0	406.9	406.8	406.7	406.3
142.5°	421.2	421.6	421.8	421.9	422.2	422.3	422.2	422.1	422.0	421.9	421.6
145°	443.1	443.4	443.7	444.0	444.3	444.7	444.5	444.4	444.3	444.3	443.9
147.5°	464.1	464.4	464.7	464.9	465.2	465.5	465.5	465.5	465.5	465.5	465.2
150°	477.5	477.7	477.9	478.1	478.3	478.5	478.5	478.5	478.5	478.5	478.2
152.5°	489.4	489.6	489.7	489.8	490.0	490.0	490.2	490.4	490.6	490.8	490.5
155°	506.5	506.6	506.7	506.8	506.9	507.0	507.4	507.8	508.2	508.6	508.4
157.5°	521.6	521.6	521.7	521.7	521.8	521.9	522.3	522.8	523.2	523.6	523.5
160°	531.0	530.9	530.9	530.9	530.9	530.9	531.4	532.0	532.4	532.9	533.0
162.5°	539.4	539.3	539.4	539.5	539.6	539.6	540.1	540.6	541.1	541.6	541.5
165°	550.5	550.3	550.3	550.3	550.3	550.3	551.0	551.6	552.2	552.8	552.7
167.5°	559.0	558.9	559.0	559.0	559.1	559.2	559.8	560.5	561.1	561.7	561.7
170°	564.1	563.9	563.9	563.9	563.9	563.9	564.6	565.3	566.0	566.7	566.7
172.5°	568.1	567.9	567.9	567.9	567.9	567.9	568.5	569.1	569.7	570.4	570.4
175°	572.3	572.0	572.0	572.0	572.0	572.0	572.7	573.2	573.9	574.5	574.4
177.5°	574.3	574.1	574.1	574.1	574.1	574.1	574.6	575.1	575.6	576.1	576.0
180°	575.2	575.2	575.2	575.2	575.2	575.2	575.2	575.2	575.2	575.2	575.2



TEST NUMBER: P332247-927

CATALOG NUMBER: S123RDIP-S340D585U927-4F0-1E-UDD-A1

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°	18.6	18.5	18.4	18.2	18.4	18.5	18.6	18.8	18.6	18.3	18.0
95°	35.3	35.3	35.3	35.3	35.3	35.3	35.3	35.3	35.0	34.6	34.2
97.5°	54.3	54.3	54.3	54.2	54.3	54.3	54.3	54.3	54.2	53.7	53.2
100°	68.0	68.3	68.4	68.7	68.4	68.3	68.0	67.9	67.7	67.3	67.0
102.5°	83.7	83.6	83.6	83.5	83.6	83.6	83.7	83.7	83.5	83.3	82.9
105°	106.9	107.1	107.3	107.6	107.3	107.1	106.9	106.7	106.6	106.6	106.6
107.5°	132.9	132.8	132.7	132.6	132.7	132.8	132.9	133.1	132.9	132.6	132.3
110°	150.2	150.0	149.8	149.6	149.8	150.0	150.2	150.4	150.3	149.9	149.5



TEST NUMBER: P332247-927

CATALOG NUMBER: S123RDIP-S340D585U927-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	167.8	167.7	167.7	167.6	167.7	167.7	167.8	167.8	167.5	167.1	166.6
115°	192.8	192.7	192.6	192.5	192.6	192.7	192.8	192.9	192.9	192.8	192.7
117.5°	218.6	218.2	218.0	217.7	218.0	218.2	218.6	218.8	219.0	219.0	219.0
120°	236.0	235.8	235.6	235.4	235.6	235.8	236.0	236.2	236.4	236.5	236.5
122.5°	253.3	252.9	252.7	252.4	252.7	252.9	253.3	253.5	253.8	254.1	254.3
125°	279.1	278.7	278.3	277.9	278.3	278.7	279.1	279.5	279.9	280.3	280.7
127.5°	304.7	304.2	303.7	303.2	303.7	304.2	304.7	305.1	305.6	306.2	306.7
130°	322.0	321.3	320.6	319.9	320.6	321.3	322.0	322.7	323.3	323.7	324.1
132.5°	338.9	338.3	337.8	337.2	337.8	338.3	338.9	339.5	339.9	340.4	340.9
135°	364.8	364.6	364.4	364.2	364.4	364.6	364.8	365.0	365.3	365.7	366.1
137.5°	389.1	388.7	388.3	387.9	388.3	388.7	389.1	389.5	389.9	390.3	390.7
140°	405.6	404.9	404.2	403.5	404.2	404.9	405.6	406.3	406.7	406.8	406.9
142.5°	421.0	420.5	419.9	419.4	419.9	420.5	421.0	421.6	421.9	422.0	422.1
145°	443.5	443.1	442.8	442.4	442.8	443.1	443.5	443.9	444.3	444.3	444.4
147.5°	464.6	464.0	463.4	462.8	463.4	464.0	464.6	465.2	465.5	465.5	465.5
150°	477.6	477.0	476.4	475.8	476.4	477.0	477.6	478.2	478.5	478.5	478.5
152.5°	490.0	489.5	489.0	488.5	489.0	489.5	490.0	490.5	490.8	490.6	490.4
155°	507.7	507.0	506.4	505.6	506.4	507.0	507.7	508.4	508.6	508.2	507.8
157.5°	522.9	522.4	521.8	521.3	521.8	522.4	522.9	523.5	523.6	523.2	522.8
160°	532.6	532.2	531.8	531.4	531.8	532.2	532.6	533.0	532.9	532.4	532.0
162.5°	540.9	540.3	539.6	539.0	539.6	540.3	540.9	541.5	541.6	541.1	540.6
165°	552.0	551.3	550.6	549.9	550.6	551.3	552.0	552.7	552.8	552.2	551.6
167.5°	561.1	560.5	559.8	559.2	559.8	560.5	561.1	561.7	561.7	561.1	560.5
170°	566.0	565.3	564.6	563.9	564.6	565.3	566.0	566.7	566.7	566.0	565.3
172.5°	569.7	568.9	568.2	567.5	568.2	568.9	569.7	570.4	570.4	569.7	569.1
175°	573.7	573.0	572.3	571.6	572.3	573.0	573.7	574.4	574.5	573.9	573.2
177.5°	575.4	574.9	574.3	573.8	574.3	574.9	575.4	576.0	576.1	575.6	575.1
180°	575.2	575.2	575.2	575.2	575.2	575.2	575.2	575.2	575.2	575.2	575.2



TEST NUMBER: P332247-927

CATALOG NUMBER: S123RDIP-S340D585U927-4F0-1E-UDD-A1

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°	17.7	17.3	16.6	15.8	15.1	14.4	13.7	13.0	12.3	11.6	10.9
95°	33.8	33.4	32.6	31.8	31.1	30.3	29.5	28.8	28.0	27.3	26.7
97.5°	52.8	52.4	51.7	51.2	50.5	50.0	49.4	49.0	48.4	47.8	47.4
100°	66.7	66.4	65.9	65.4	64.9	64.4	63.8	63.3	62.7	62.0	61.5
102.5°	82.6	82.3	81.7	81.0	80.3	79.7	79.1	78.8	78.4	78.1	77.7
105°	106.6	106.6	105.8	104.8	103.9	103.0	102.5	102.3	102.0	101.9	101.6
107.5°	132.0	131.7	131.3	130.9	130.6	130.2	130.0	129.8	129.8	129.6	129.5
110°	149.1	148.7	148.5	148.3	148.1	147.8	147.7	147.4	147.3	147.0	146.9



TEST NUMBER: P332247-927

CATALOG NUMBER: S123RDIP-S340D585U927-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	166.1	165.6	165.6	165.6	165.6	165.5	165.4	165.2	165.2	165.0	164.9
115°	192.6	192.5	192.7	192.9	193.1	193.3	193.2	193.0	192.7	192.3	192.0
117.5°	219.0	219.0	219.4	219.6	219.8	220.1	220.1	219.9	219.8	219.5	219.4
120°	236.7	236.8	237.3	237.8	238.3	238.8	238.8	238.1	237.5	236.9	236.3
122.5°	254.6	254.8	255.1	255.4	255.6	255.9	255.8	255.3	254.9	254.4	254.1
125°	281.1	281.5	281.7	281.9	282.1	282.3	282.3	281.9	281.6	281.4	281.1
127.5°	307.4	307.9	308.1	308.3	308.6	308.8	308.6	307.9	307.3	306.7	306.0
130°	324.5	324.9	325.2	325.5	325.8	326.1	325.8	325.0	324.2	323.4	322.7
132.5°	341.4	341.9	342.1	342.3	342.5	342.8	342.5	341.7	340.9	340.1	339.2
135°	366.5	366.9	367.0	367.1	367.2	367.3	367.0	366.5	365.8	365.3	364.6
137.5°	391.2	391.6	391.3	391.0	390.8	390.5	390.1	389.7	389.1	388.6	388.2
140°	407.0	407.1	407.0	406.9	406.8	406.7	406.4	405.9	405.4	404.9	404.4
142.5°	422.2	422.3	422.2	421.9	421.8	421.6	421.2	420.7	420.3	419.7	419.2
145°	444.5	444.7	444.3	444.0	443.7	443.4	443.1	443.0	442.8	442.6	442.4
147.5°	465.5	465.5	465.2	464.9	464.7	464.4	464.1	463.7	463.3	463.0	462.6
150°	478.5	478.5	478.3	478.1	477.9	477.7	477.5	477.3	477.1	476.9	476.7
152.5°	490.2	490.0	490.0	489.8	489.7	489.6	489.4	489.1	488.9	488.5	488.3
155°	507.4	507.0	506.9	506.8	506.7	506.6	506.5	506.5	506.5	506.5	506.5
157.5°	522.3	521.9	521.8	521.7	521.7	521.6	521.6	521.7	521.8	522.0	522.0
160°	531.4	530.9	530.9	530.9	530.9	530.9	531.0	531.2	531.4	531.6	531.8
162.5°	540.1	539.6	539.6	539.5	539.4	539.3	539.4	539.6	540.0	540.2	540.5
165°	551.0	550.3	550.3	550.3	550.3	550.3	550.5	550.8	551.1	551.4	551.7
167.5°	559.8	559.2	559.1	559.0	559.0	558.9	559.0	559.4	559.8	560.2	560.6
170°	564.6	563.9	563.9	563.9	563.9	563.9	564.1	564.5	564.9	565.3	565.7
172.5°	568.5	567.9	567.9	567.9	567.9	567.9	568.1	568.5	568.9	569.3	569.7
175°	572.7	572.0	572.0	572.0	572.0	572.0	572.3	572.7	573.1	573.5	573.9
177.5°	574.6	574.1	574.1	574.1	574.1	574.1	574.3	574.6	575.0	575.3	575.6
180°	575.2	575.2	575.2	575.2	575.2	575.2	575.2	575.2	575.2	575.2	575.2



TEST NUMBER: P332247-927

CATALOG NUMBER: S123RDIP-S340D585U927-4F0-1E-UDD-A1

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°	11.6	12.3	13.0	13.7	14.4	15.1	15.8	16.6	17.3	17.7	18.0
95°	27.3	28.0	28.8	29.5	30.3	31.1	31.8	32.6	33.4	33.8	34.2
97.5°	47.8	48.4	49.0	49.4	50.0	50.5	51.2	51.7	52.4	52.8	53.2
100°	62.0	62.7	63.3	63.8	64.4	64.9	65.4	65.9	66.4	66.7	67.0
102.5°	78.1	78.4	78.8	79.1	79.7	80.3	81.0	81.7	82.3	82.6	82.9
105°	101.9	102.0	102.3	102.5	103.0	103.9	104.8	105.8	106.6	106.6	106.6
107.5°	129.6	129.8	129.8	130.0	130.2	130.6	130.9	131.3	131.7	132.0	132.3
110°	147.0	147.3	147.4	147.7	147.8	148.1	148.3	148.5	148.7	149.1	149.5



TEST NUMBER: P332247-927

CATALOG NUMBER: S123RDIP-S340D585U927-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	165.0	165.2	165.2	165.4	165.5	165.6	165.6	165.6	165.6	166.1	166.6
115°	192.3	192.7	193.0	193.2	193.3	193.1	192.9	192.7	192.5	192.6	192.7
117.5°	219.5	219.8	219.9	220.1	220.1	219.8	219.6	219.4	219.0	219.0	219.0
120°	236.9	237.5	238.1	238.8	238.8	238.3	237.8	237.3	236.8	236.7	236.5
122.5°	254.4	254.9	255.3	255.8	255.9	255.6	255.4	255.1	254.8	254.6	254.3
125°	281.4	281.6	281.9	282.3	282.3	282.1	281.9	281.7	281.5	281.1	280.7
127.5°	306.7	307.3	307.9	308.6	308.8	308.6	308.3	308.1	307.9	307.4	306.7
130°	323.4	324.2	325.0	325.8	326.1	325.8	325.5	325.2	324.9	324.5	324.1
132.5°	340.1	340.9	341.7	342.5	342.8	342.5	342.3	342.1	341.9	341.4	340.9
135°	365.3	365.8	366.5	367.0	367.3	367.2	367.1	367.0	366.9	366.5	366.1
137.5°	388.6	389.1	389.7	390.1	390.5	390.8	391.0	391.3	391.6	391.2	390.7
140°	404.9	405.4	405.9	406.4	406.7	406.8	406.9	407.0	407.1	407.0	406.9
142.5°	419.7	420.3	420.7	421.2	421.6	421.8	421.9	422.2	422.3	422.2	422.1
145°	442.6	442.8	443.0	443.1	443.4	443.7	444.0	444.3	444.7	444.5	444.4
147.5°	463.0	463.3	463.7	464.1	464.4	464.7	464.9	465.2	465.5	465.5	465.5
150°	476.9	477.1	477.3	477.5	477.7	477.9	478.1	478.3	478.5	478.5	478.5
152.5°	488.5	488.9	489.1	489.4	489.6	489.7	489.8	490.0	490.0	490.2	490.4
155°	506.5	506.5	506.5	506.5	506.6	506.7	506.8	506.9	507.0	507.4	507.8
157.5°	522.0	521.8	521.7	521.6	521.6	521.7	521.7	521.8	521.9	522.3	522.8
160°	531.6	531.4	531.2	531.0	530.9	530.9	530.9	530.9	530.9	531.4	532.0
162.5°	540.2	540.0	539.6	539.4	539.3	539.4	539.5	539.6	539.6	540.1	540.6
165°	551.4	551.1	550.8	550.5	550.3	550.3	550.3	550.3	550.3	551.0	551.6
167.5°	560.2	559.8	559.4	559.0	558.9	559.0	559.0	559.1	559.2	559.8	560.5
170°	565.3	564.9	564.5	564.1	563.9	563.9	563.9	563.9	563.9	564.6	565.3
172.5°	569.3	568.9	568.5	568.1	567.9	567.9	567.9	567.9	567.9	568.5	569.1
175°	573.5	573.1	572.7	572.3	572.0	572.0	572.0	572.0	572.0	572.7	573.2
177.5°	575.3	575.0	574.6	574.3	574.1	574.1	574.1	574.1	574.1	574.6	575.1
180°	575.2	575.2	575.2	575.2	575.2	575.2	575.2	575.2	575.2	575.2	575.2



TEST NUMBER: P332247-927

CATALOG NUMBER: S123RDIP-S340D585U927-4F0-1E-UDD-A1

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°	18.3	18.6	18.8	18.6	18.5	18.4	18.2
95°	34.6	35.0	35.3	35.3	35.3	35.3	35.3
97.5°	53.7	54.2	54.3	54.3	54.3	54.3	54.2
100°	67.3	67.7	67.9	68.0	68.3	68.4	68.7
102.5°	83.3	83.5	83.7	83.7	83.6	83.6	83.5
105°	106.6	106.6	106.7	106.9	107.1	107.3	107.6
107.5°	132.6	132.9	133.1	132.9	132.8	132.7	132.6
110°	149.9	150.3	150.4	150.2	150.0	149.8	149.6



TEST NUMBER: P332247-927

CATALOG NUMBER: S123RDIP-S340D585U927-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
112.5°	167.1	167.5	167.8	167.8	167.7	167.7	167.6
115°	192.8	192.9	192.9	192.8	192.7	192.6	192.5
117.5°	219.0	219.0	218.8	218.6	218.2	218.0	217.7
120°	236.5	236.4	236.2	236.0	235.8	235.6	235.4
122.5°	254.1	253.8	253.5	253.3	252.9	252.7	252.4
125°	280.3	279.9	279.5	279.1	278.7	278.3	277.9
127.5°	306.2	305.6	305.1	304.7	304.2	303.7	303.2
130°	323.7	323.3	322.7	322.0	321.3	320.6	319.9
132.5°	340.4	339.9	339.5	338.9	338.3	337.8	337.2
135°	365.7	365.3	365.0	364.8	364.6	364.4	364.2
137.5°	390.3	389.9	389.5	389.1	388.7	388.3	387.9
140°	406.8	406.7	406.3	405.6	404.9	404.2	403.5
142.5°	422.0	421.9	421.6	421.0	420.5	419.9	419.4
145°	444.3	444.3	443.9	443.5	443.1	442.8	442.4
147.5°	465.5	465.5	465.2	464.6	464.0	463.4	462.8
150°	478.5	478.5	478.2	477.6	477.0	476.4	475.8
152.5°	490.6	490.8	490.5	490.0	489.5	489.0	488.5
155°	508.2	508.6	508.4	507.7	507.0	506.4	505.6
157.5°	523.2	523.6	523.5	522.9	522.4	521.8	521.3
160°	532.4	532.9	533.0	532.6	532.2	531.8	531.4
162.5°	541.1	541.6	541.5	540.9	540.3	539.6	539.0
165°	552.2	552.8	552.7	552.0	551.3	550.6	549.9
167.5°	561.1	561.7	561.7	561.1	560.5	559.8	559.2
170°	566.0	566.7	566.7	566.0	565.3	564.6	563.9
172.5°	569.7	570.4	570.4	569.7	568.9	568.2	567.5
175°	573.9	574.5	574.4	573.7	573.0	572.3	571.6
177.5°	575.6	576.1	576.0	575.4	574.9	574.3	573.8
180°	575.2	575.2	575.2	575.2	575.2	575.2	575.2

(END OF REPORT)