

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: P332240-930

Luminaire Tested: **S123RDIP-S340D365U930-4F0-1E-UDD-A**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P332240-930  
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-S340D365U930-4F0-1E-UDD-A  
Description: DEFINE 3 DIRECT-INDIRECT PENDANT LED LUMINAIRE  
DOWNLIGHT 340 LUMENS PER FOOT, ASYMMETRIC DIFFUSER, REGRESSED HOUSING  
UPLIGHT 365 LUMENS PER FOOT, NO LENS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2288.4 lumens  
Efficiency: N/A  
Efficacy: 112.7 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

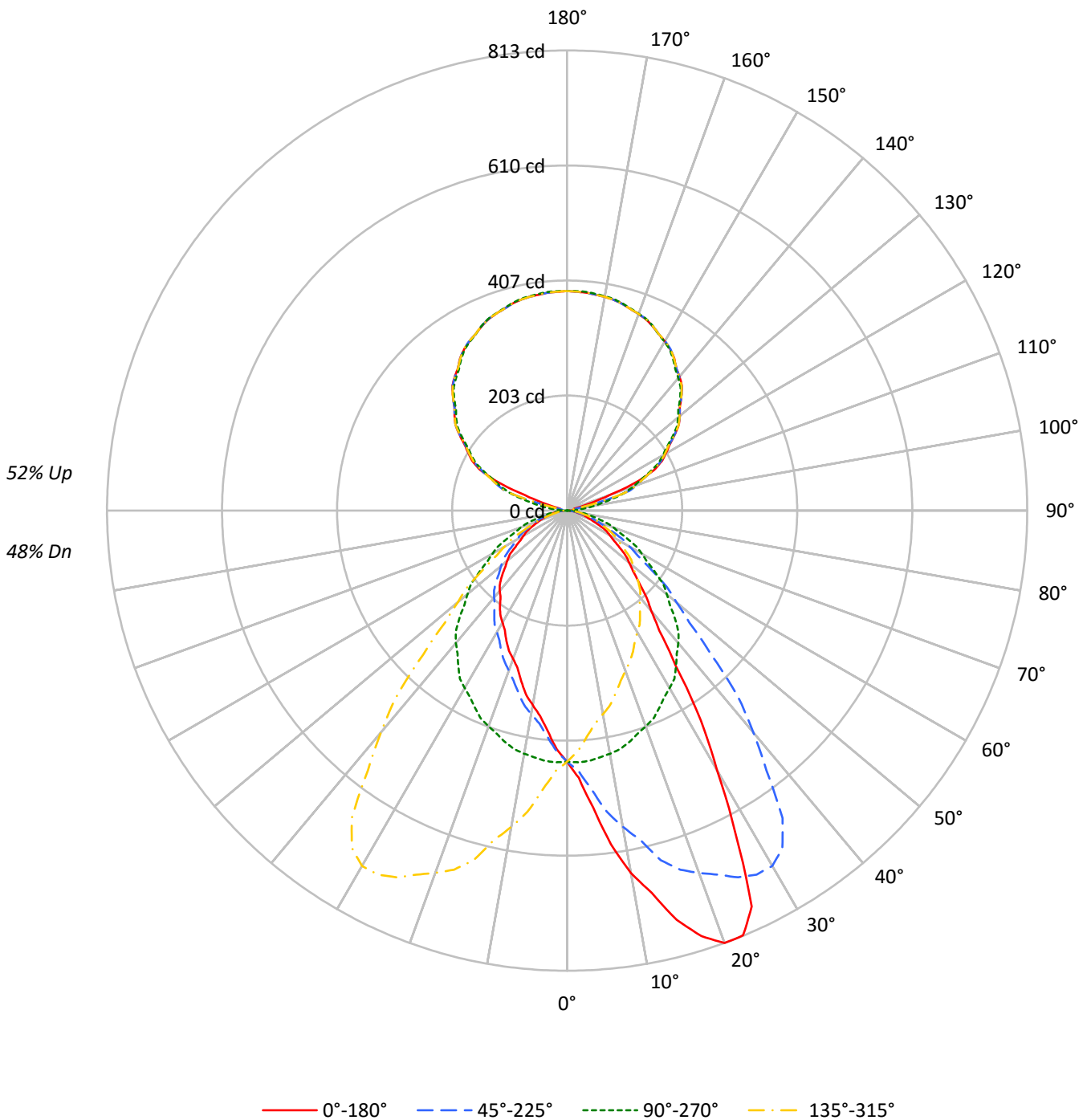
Input Watts (W): 20.3  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



TEST NUMBER: P332240-930

CATALOG NUMBER: S123RDIP-S340D365U930-4F0-1E-UDD-A

### Luminous Intensity Polar Plot





TEST NUMBER: P332240-930

CATALOG NUMBER: S123RDIP-S340D365U930-4F0-1E-UDD-A

**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	98	98	98	98	82	82	82	68	68	68	55	55	55	48
1	98	94	90	87	90	87	83	81	73	71	69	61	59	58	49	48	47	42
2	90	83	77	72	82	76	71	67	65	61	58	54	51	49	44	42	41	36
3	82	73	66	61	75	68	62	57	58	53	49	48	45	42	39	37	35	31
4	75	65	57	52	69	60	54	49	51	46	42	43	40	37	36	33	31	27
5	69	58	50	45	64	54	47	42	46	41	37	39	35	32	32	29	27	24
6	64	52	45	39	59	49	42	37	42	36	32	35	31	28	29	26	24	21
7	59	47	40	34	55	44	37	32	38	33	29	32	28	25	27	24	22	19
8	55	43	36	30	51	40	34	29	35	30	26	30	26	23	25	22	20	17
9	51	39	32	27	47	37	30	26	32	27	23	27	23	20	23	20	18	16
10	48	36	29	25	44	34	28	23	30	24	21	25	21	19	21	18	16	14

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

	0°	90°	180°	270°
0°	4776	4776	4776	4776
5°	5693	4796	4224	4796
10°	7109	4769	3816	4769
15°	8344	4719	3480	4719
20°	9313	4647	3194	4647
25°	9164	4570	3018	4570
30°	6586	4501	2838	4501
35°	4398	4407	2720	4407
40°	3240	4297	2599	4297
45°	2719	4102	2481	4102
50°	2398	3848	2316	3848
55°	2104	3558	2089	3558
60°	1873	3279	1914	3279
65°	1645	2980	1780	2980
70°	1290	2716	1627	2716
75°	1135	2371	1485	2371
80°	992	2008	1463	2008
85°	790	1618	1556	1618



TEST NUMBER: P332240-930

CATALOG NUMBER: S123RDIP-S340D365U930-4F0-1E-UDD-A

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	43.6	1.9
10°-20°	136.3	6.0
20°-30°	214.2	9.4
30°-40°	223.4	9.8
40°-50°	191.2	8.4
50°-60°	145.7	6.4
60°-70°	93.4	4.1
70°-80°	44.9	2.0
80°-90°	13.0	0.6
90°-100°	14.1	0.6
100°-110°	67.2	2.9
110°-120°	161.4	7.1
120°-130°	205.5	9.0
130°-140°	219.6	9.6
140°-150°	205.4	9.0
150°-160°	165.6	7.2
160°-170°	106.9	4.7
170°-180°	36.8	1.6
0°-30°	394.1	17.2
0°-40°	617.6	27.0
0°-60°	954.5	41.7
0°-90°	1105.9	48.3
90°-120°	242.7	10.6
90°-150°	873.2	38.2
90°-180°	1183.0	51.7
0°-180°	2288.4	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	444	444	444	444	444	
5°	527	444	391	444	527	54
15°	749	424	312	424	749	212
25°	772	385	254	385	772	332
35°	335	335	207	335	335	219
45°	179	270	163	270	179	140
55°	112	190	111	190	112	101
65°	65	117	70	117	65	64
75°	27	57	36	57	27	29
85°	6	13	13	13	6	8
90°	9	0	9	0	9	4
95°	11	18	11	18	11	9
105°	13	86	13	86	13	29
115°	169	161	169	161	169	157
125°	232	227	232	227	232	207
135°	286	283	286	283	286	220
145°	329	326	329	326	329	206
155°	359	359	359	359	359	165
165°	378	379	378	379	378	107
175°	386	388	386	388	386	37
180°	388	388	388	388	388	



TEST NUMBER: P332240-930

CATALOG NUMBER: S123RDIP-S340D365U930-4F0-1E-UDD-A

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	443.7	443.7	443.7	443.7	443.7	443.7	443.7	443.7	443.7	443.7	443.7
2.5°	472.6	473.2	471.2	470.9	468.6	468.1	468.1	464.8	462.8	460.3	458.8
5°	526.9	529.9	528.4	525.1	519.3	518.0	514.4	508.7	502.2	494.2	490.5
7.5°	594.8	598.9	597.3	592.1	586.0	581.2	571.0	561.6	548.4	536.7	526.8
10°	650.4	646.0	642.6	637.5	631.9	623.1	612.4	597.8	580.9	567.5	552.8
12.5°	692.0	691.3	687.0	681.7	673.9	665.4	652.3	634.5	614.9	595.7	578.7
15°	748.8	749.9	747.1	741.6	730.5	715.5	695.8	688.4	660.2	639.4	618.5
17.5°	788.1	787.8	787.4	779.8	768.6	757.9	739.6	720.1	694.6	665.2	637.1
20°	813.0	811.1	811.5	802.9	794.6	782.2	764.3	736.1	715.2	681.2	652.1
22.5°	812.4	812.0	813.4	810.5	804.5	795.0	780.9	757.0	730.3	696.0	663.3
25°	771.6	770.1	778.9	781.5	791.2	792.9	788.6	775.6	750.3	714.9	674.5
27.5°	645.7	644.9	661.5	682.2	708.5	729.0	748.7	758.2	750.3	725.0	684.4
30°	529.9	547.8	556.2	586.2	619.6	659.5	694.5	727.7	735.9	724.8	691.6
32.5°	440.0	455.6	462.6	488.3	519.5	566.2	618.6	665.7	699.0	707.4	687.4
35°	334.7	334.8	350.8	362.2	391.1	439.1	490.1	553.1	615.8	663.3	668.2
37.5°	267.1	268.0	277.7	289.0	310.7	336.1	380.9	433.3	505.7	578.6	621.4
40°	230.6	232.3	239.5	250.7	266.3	285.5	320.4	369.8	430.2	511.4	577.6
42.5°	207.2	209.9	213.7	222.3	232.0	250.0	278.2	316.3	371.3	448.0	524.5
45°	178.6	180.1	183.0	186.9	195.7	208.1	227.1	252.8	298.4	360.1	436.7
47.5°	157.5	156.7	159.7	162.9	168.8	177.3	190.0	210.9	243.4	293.0	357.9
50°	143.2	143.0	145.1	147.6	153.1	159.4	169.8	185.6	211.4	252.4	311.9
52.5°	129.9	130.5	132.1	135.1	139.1	144.1	153.5	164.9	187.1	222.5	272.1
55°	112.1	112.7	114.7	116.4	119.3	124.4	130.3	139.8	155.0	179.7	220.5
57.5°	97.0	96.8	98.7	99.2	102.4	106.6	111.1	118.5	129.6	147.9	175.4
60°	87.0	86.4	88.1	89.4	91.2	94.6	98.4	105.6	114.4	127.8	151.4
62.5°	77.9	77.6	78.8	80.2	81.6	84.7	87.9	93.4	100.4	111.7	130.4
65°	64.6	65.1	65.7	66.3	67.0	69.0	72.0	75.8	80.6	88.5	102.0
67.5°	50.8	51.4	51.5	52.7	54.3	55.5	57.4	60.7	64.1	70.8	78.4
70°	41.0	40.8	41.0	41.6	43.7	45.7	48.3	50.7	52.8	57.6	64.0
72.5°	35.2	34.9	35.4	35.5	36.5	37.1	38.6	41.0	43.7	46.9	51.5
75°	27.3	27.3	27.3	27.3	28.1	28.5	29.0	29.6	30.6	32.1	35.5
77.5°	20.2	20.2	20.5	20.7	20.9	21.1	21.4	22.0	22.3	23.2	24.6
80°	16.0	16.1	16.0	16.1	16.1	16.6	16.7	17.3	17.4	18.4	19.0
82.5°	12.0	11.9	12.0	12.2	12.2	12.6	12.6	13.0	13.0	13.5	14.1
85°	6.4	6.1	6.4	6.3	6.7	6.3	6.4	6.8	6.8	7.0	7.8
87.5°	3.3	3.5	3.2	3.3	3.3	3.4	3.3	3.3	3.6	3.3	3.3
90°	8.6	8.5	8.4	8.2	8.2	7.9	7.7	7.4	7.2	6.9	6.1
92.5°	9.5	9.5	9.4	9.3	9.3	9.0	8.6	8.2	7.7	7.3	6.8
95°	10.9	10.9	10.9	10.9	10.9	10.8	10.3	9.9	9.4	9.0	8.2
97.5°	11.9	11.8	11.7	11.7	11.6	11.3	10.8	10.3	9.8	9.3	13.9
100°	12.1	12.1	12.0	11.9	11.8	11.6	11.0	10.5	10.0	9.5	19.5
102.5°	12.3	12.2	12.1	12.0	11.9	12.6	14.2	15.8	17.4	19.0	29.8
105°	12.6	12.6	12.4	12.3	12.1	17.8	29.1	40.4	51.8	63.1	68.9
107.5°	39.8	48.3	56.9	65.5	73.9	82.4	90.7	99.1	107.3	115.6	114.7
110°	79.2	88.4	97.5	106.7	115.9	121.5	123.6	125.7	127.8	130.0	129.2



TEST NUMBER: P332240-930

CATALOG NUMBER: S123RDIP-S340D365U930-4F0-1E-UDD-A

**CANDELA DISTRIBUTION (continued):**

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	135.9	137.9	139.8	141.7	143.7	144.6	144.6	144.6	144.5	144.5	143.7
115°	169.4	169.2	168.9	168.6	168.4	168.0	167.3	166.6	166.0	165.3	164.8
117.5°	188.2	188.2	188.1	188.0	188.0	187.7	187.2	186.7	186.1	185.6	185.4
120°	201.1	201.1	201.1	201.1	201.1	200.8	200.3	199.8	199.3	198.8	198.6
122.5°	213.8	213.7	213.7	213.6	213.5	213.4	213.0	212.6	212.3	211.9	211.7
125°	231.6	231.5	231.4	231.2	231.1	231.0	230.9	230.7	230.6	230.5	230.2
127.5°	248.8	248.9	249.1	249.2	249.3	249.3	249.1	248.8	248.7	248.4	248.2
130°	259.8	260.0	260.2	260.2	260.4	260.3	260.1	259.8	259.5	259.3	259.0
132.5°	270.0	270.2	270.4	270.5	270.8	270.7	270.4	270.2	269.9	269.7	269.5
135°	285.5	285.7	285.9	286.1	286.3	286.3	286.1	285.9	285.7	285.5	285.3
137.5°	300.1	300.2	300.4	300.4	300.6	300.5	300.2	299.9	299.6	299.3	299.1
140°	308.8	309.0	309.1	309.2	309.3	309.3	309.0	308.8	308.5	308.3	308.1
142.5°	316.9	317.1	317.2	317.5	317.6	317.6	317.4	317.2	317.0	316.8	316.6
145°	329.3	329.3	329.3	329.3	329.3	329.2	329.1	329.0	328.9	328.7	328.6
147.5°	338.5	338.8	339.1	339.4	339.7	339.8	339.7	339.5	339.4	339.2	339.2
150°	345.4	345.6	345.8	346.0	346.2	346.3	346.1	346.0	345.8	345.7	345.6
152.5°	351.0	351.2	351.6	351.9	352.1	352.2	352.0	351.7	351.5	351.2	351.1
155°	358.7	359.1	359.5	359.9	360.2	360.3	360.0	359.6	359.3	359.0	358.9
157.5°	365.2	365.7	366.2	366.7	367.2	367.3	366.9	366.5	366.1	365.7	365.7
160°	369.3	369.8	370.2	370.7	371.1	371.2	370.8	370.4	370.0	369.7	369.7
162.5°	373.2	373.7	374.1	374.5	374.9	374.8	374.4	374.0	373.5	373.1	373.2
165°	378.0	378.5	378.9	379.4	379.8	379.8	379.3	378.7	378.2	377.7	377.7
167.5°	381.4	381.9	382.4	382.9	383.4	383.4	382.9	382.4	381.9	381.4	381.4
170°	383.4	384.0	384.5	385.0	385.5	385.5	385.0	384.5	384.0	383.4	383.4
172.5°	384.6	385.1	385.7	386.3	386.9	386.9	386.4	385.9	385.4	384.8	384.8
175°	386.4	386.9	387.3	387.9	388.4	388.4	388.0	387.5	387.1	386.6	386.5
177.5°	386.9	387.3	387.9	388.4	388.9	389.0	388.6	388.2	387.8	387.3	387.3
180°	387.8	387.8	387.8	387.8	387.8	387.8	387.8	387.8	387.8	387.8	387.8



TEST NUMBER: P332240-930

CATALOG NUMBER: S123RDIP-S340D365U930-4F0-1E-UDD-A

**CANDELA DISTRIBUTION (continued):**

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	443.7	443.7	443.7	443.7	443.7	443.7	443.7	443.7	443.7	443.7	443.7
2.5°	458.1	457.7	455.6	453.1	450.0	447.8	446.1	445.2	442.5	439.1	436.9
5°	486.5	480.8	474.7	467.2	460.4	453.4	449.1	443.9	437.7	430.6	425.7
7.5°	516.7	505.6	493.6	481.1	468.9	457.9	448.1	439.8	429.8	419.7	412.7
10°	540.1	523.7	506.8	489.5	473.8	458.9	447.5	436.3	424.4	412.8	404.0
12.5°	561.2	539.6	520.2	498.9	478.7	461.1	444.7	431.5	417.0	404.7	394.8
15°	587.9	565.8	542.3	510.0	483.2	460.8	440.8	423.5	406.1	390.9	381.2
17.5°	612.9	579.8	548.0	521.1	486.3	458.4	434.0	413.4	394.1	378.1	366.1
20°	623.2	591.1	556.8	522.4	488.2	456.8	428.5	405.7	385.8	367.5	356.5
22.5°	629.4	593.1	556.8	519.9	483.6	451.0	423.1	397.9	376.3	359.1	345.4
25°	636.7	593.4	553.5	517.1	480.0	444.7	411.4	384.8	361.5	343.1	328.6
27.5°	641.5	590.5	543.4	502.9	465.3	430.2	399.7	371.5	347.7	328.2	312.7
30°	642.4	588.2	535.7	491.8	453.6	421.3	389.0	362.1	337.0	316.3	301.8
32.5°	643.6	582.6	525.1	478.6	439.4	407.5	378.2	352.5	326.8	306.4	291.6
35°	638.6	579.5	509.2	455.7	416.5	385.6	359.2	335.4	310.2	290.4	275.4
37.5°	617.0	567.2	492.8	429.9	389.0	360.4	338.8	318.1	295.0	273.6	259.5
40°	595.3	555.1	480.0	414.3	371.5	342.1	322.7	305.8	283.4	263.4	248.3
42.5°	563.0	538.4	467.8	397.9	351.8	323.4	307.0	291.2	271.6	251.3	237.0
45°	503.5	506.8	443.0	371.7	324.4	296.0	280.5	269.5	252.1	235.4	220.7
47.5°	429.1	459.3	413.8	343.9	295.6	268.9	255.4	245.8	234.0	217.6	204.2
50°	380.5	423.5	390.4	325.2	277.5	250.9	237.7	229.8	219.6	206.7	194.0
52.5°	335.7	382.0	362.1	304.4	257.9	233.6	220.6	214.2	206.0	193.9	182.4
55°	273.7	320.7	316.1	273.0	228.5	206.7	196.8	189.6	184.1	175.0	165.8
57.5°	221.4	265.9	268.2	238.0	202.6	181.0	172.5	167.1	163.5	156.6	148.1
60°	188.4	229.3	237.3	214.4	184.1	165.1	156.7	152.3	149.5	144.0	137.5
62.5°	161.1	195.8	204.9	188.5	166.3	148.5	141.9	137.8	135.8	131.1	125.4
65°	123.3	152.1	160.9	151.8	140.1	126.0	120.6	117.0	115.3	112.7	108.4
67.5°	92.7	113.7	123.4	116.9	112.7	103.7	100.4	98.4	96.9	95.1	91.6
70°	74.4	90.0	99.9	98.2	94.8	90.0	87.6	86.3	84.7	83.2	80.1
72.5°	59.8	70.6	79.8	80.7	77.9	77.0	74.8	74.2	73.3	71.5	69.8
75°	39.7	47.1	53.6	56.0	57.2	58.1	57.2	57.0	56.8	55.3	54.3
77.5°	26.0	30.0	34.1	38.3	40.1	41.3	41.7	42.4	41.8	41.1	40.6
80°	20.0	20.9	23.7	27.3	30.2	31.3	32.1	32.4	32.3	32.1	31.3
82.5°	14.5	15.2	16.6	19.2	21.5	23.4	23.9	23.8	24.2	24.4	23.7
85°	7.8	8.0	8.4	8.7	10.0	12.1	12.7	13.1	13.5	13.5	12.3
87.5°	3.5	3.2	3.3	3.2	3.5	3.5	4.3	4.9	5.2	4.7	4.8
90°	5.2	4.4	3.6	2.9	2.2	1.5	0.9	0.3	0.9	1.5	2.2
92.5°	6.1	5.5	4.9	4.6	4.8	5.0	5.2	5.4	5.2	5.0	4.8
95°	7.5	6.8	6.1	7.1	9.7	12.3	14.9	17.6	14.9	12.3	9.7
97.5°	18.5	23.1	27.7	30.6	31.8	32.9	34.2	35.3	34.2	32.9	31.8
100°	29.5	39.5	49.5	53.8	52.5	51.3	50.0	48.7	50.0	51.3	52.5
102.5°	40.8	51.7	62.6	67.6	66.7	65.7	64.8	63.9	64.8	65.7	66.7
105°	74.6	80.4	86.2	88.7	88.0	87.2	86.6	85.9	86.6	87.2	88.0
107.5°	113.8	112.9	112.0	111.3	110.7	110.1	109.6	109.0	109.6	110.1	110.7
110°	128.5	127.8	127.1	126.5	126.0	125.5	125.0	124.5	125.0	125.5	126.0





TEST NUMBER: P332240-930

CATALOG NUMBER: S123RDIP-S340D365U930-4F0-1E-UDD-A

**CANDELA DISTRIBUTION (continued):**

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	143.1	142.4	141.6	141.0	140.6	140.1	139.7	139.2	139.7	140.1	140.6
115°	164.2	163.6	163.1	162.6	162.2	161.8	161.4	161.0	161.4	161.8	162.2
117.5°	185.1	184.7	184.5	184.1	183.6	183.1	182.7	182.2	182.7	183.1	183.6
120°	198.4	198.2	198.0	197.6	197.1	196.5	195.9	195.3	195.9	196.5	197.1
122.5°	211.4	211.2	210.9	210.6	210.1	209.6	209.2	208.7	209.2	209.6	210.1
125°	230.0	229.8	229.4	229.1	228.5	228.0	227.6	227.1	227.6	228.0	228.5
127.5°	247.9	247.5	247.2	246.8	246.3	245.8	245.3	244.8	245.3	245.8	246.3
130°	258.8	258.5	258.3	257.9	257.4	256.8	256.3	255.8	256.3	256.8	257.4
132.5°	269.3	269.0	268.8	268.5	268.0	267.5	266.9	266.4	266.9	267.5	268.0
135°	285.0	284.7	284.5	284.1	283.8	283.4	283.0	282.7	283.0	283.4	283.8
137.5°	299.0	298.9	298.7	298.4	297.9	297.4	296.9	296.4	296.9	297.4	297.9
140°	307.9	307.7	307.5	307.2	306.8	306.5	306.1	305.7	306.1	306.5	306.8
142.5°	316.4	316.3	316.0	315.8	315.4	315.0	314.6	314.2	314.6	315.0	315.4
145°	328.5	328.3	328.2	327.9	327.5	327.0	326.6	326.1	326.6	327.0	327.5
147.5°	339.0	338.9	338.8	338.5	338.3	337.9	337.7	337.4	337.7	337.9	338.3
150°	345.4	345.4	345.2	345.0	344.9	344.6	344.5	344.3	344.5	344.6	344.9
152.5°	351.1	351.0	351.0	350.8	350.7	350.7	350.6	350.5	350.6	350.7	350.7
155°	358.8	358.8	358.7	358.7	358.9	359.0	359.1	359.3	359.1	359.0	358.9
157.5°	365.8	365.9	366.0	366.0	366.0	366.1	366.1	366.1	366.1	366.1	366.0
160°	369.7	369.8	369.9	370.0	370.0	370.1	370.1	370.2	370.1	370.1	370.0
162.5°	373.2	373.2	373.3	373.5	373.7	373.8	374.0	374.1	374.0	373.8	373.7
165°	377.8	377.9	378.0	378.1	378.3	378.5	378.6	378.9	378.6	378.5	378.3
167.5°	381.4	381.4	381.4	381.5	381.8	382.0	382.3	382.5	382.3	382.0	381.8
170°	383.4	383.4	383.4	383.6	383.8	384.1	384.3	384.6	384.3	384.1	383.8
172.5°	384.7	384.7	384.7	384.7	385.1	385.4	385.7	386.0	385.7	385.4	385.1
175°	386.5	386.5	386.4	386.5	386.9	387.1	387.4	387.8	387.4	387.1	386.9
177.5°	387.2	387.2	387.1	387.2	387.5	387.8	388.0	388.2	388.0	387.8	387.5
180°	387.8	387.8	387.8	387.8	387.8	387.8	387.8	387.8	387.8	387.8	387.8



TEST NUMBER: P332240-930

CATALOG NUMBER: S123RDIP-S340D365U930-4F0-1E-UDD-A

**CANDELA DISTRIBUTION (continued):**

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	443.7	443.7	443.7	443.7	443.7	443.7	443.7	443.7	443.7	443.7	443.7
2.5°	436.1	434.1	432.8	429.7	427.8	425.7	423.5	424.9	424.7	424.6	424.6
5°	421.5	417.1	413.1	408.0	404.8	400.8	397.8	397.4	398.1	395.5	394.0
7.5°	407.0	401.0	395.3	389.7	383.7	378.9	375.9	374.5	372.6	371.0	369.2
10°	396.8	389.8	384.3	377.2	370.8	365.1	361.5	359.0	357.7	356.4	353.8
12.5°	386.3	379.4	372.4	364.4	358.3	351.7	349.0	346.3	343.7	342.2	338.8
15°	371.0	362.1	354.7	346.3	339.4	333.0	329.2	323.7	322.9	321.0	317.6
17.5°	355.6	345.9	335.7	329.5	321.8	315.0	309.2	307.4	302.0	299.9	296.9
20°	343.4	334.5	326.7	318.5	307.4	301.1	296.5	294.1	289.7	287.0	285.1
22.5°	333.0	323.8	314.9	305.3	296.1	289.0	285.7	281.8	279.5	275.7	273.7
25°	318.0	308.1	297.3	287.0	280.4	275.1	269.7	266.3	262.9	261.1	257.4
27.5°	300.6	290.2	280.1	272.3	264.2	258.9	254.1	251.1	247.0	244.1	242.0
30°	291.0	278.8	270.1	263.1	252.7	247.7	244.1	240.3	237.3	234.2	232.1
32.5°	279.9	268.8	260.6	251.8	243.9	238.4	233.7	230.4	227.8	224.9	222.8
35°	262.5	253.2	244.7	235.9	230.0	224.5	219.0	216.1	213.7	211.0	209.1
37.5°	246.8	238.1	229.9	221.7	214.3	209.9	205.5	203.3	199.9	198.1	196.2
40°	237.1	228.5	219.8	211.8	204.2	200.8	196.8	193.6	190.5	189.1	187.1
42.5°	226.4	217.8	210.5	201.9	195.7	191.0	187.4	183.8	181.6	179.6	178.5
45°	210.7	203.1	195.8	187.3	181.4	177.4	173.3	170.0	168.0	166.6	164.5
47.5°	195.3	187.8	180.4	173.0	167.3	162.7	158.5	156.3	153.5	151.9	150.5
50°	184.3	177.4	169.7	162.8	157.1	152.5	149.1	146.3	143.8	141.7	140.7
52.5°	174.1	166.8	160.0	153.7	147.7	142.5	139.4	136.4	134.5	132.2	131.0
55°	157.3	150.3	144.6	138.3	132.4	128.0	124.3	121.6	119.7	117.0	115.5
57.5°	141.5	135.2	128.4	122.9	116.9	113.2	110.1	106.5	104.1	102.1	100.5
60°	130.9	123.7	117.7	112.7	107.3	102.6	99.7	96.9	94.4	92.3	91.0
62.5°	119.8	113.5	107.9	102.3	97.4	93.3	90.0	87.6	85.4	84.1	82.8
65°	102.7	97.8	92.1	87.6	83.0	80.0	77.3	75.3	73.7	72.7	71.6
67.5°	87.1	82.3	77.4	72.9	69.8	67.5	65.8	64.0	63.2	62.0	61.2
70°	77.0	72.0	67.6	64.2	61.1	59.4	58.3	57.0	56.3	54.7	54.0
72.5°	65.9	62.3	59.1	56.3	53.9	52.3	50.9	49.2	48.0	46.3	45.6
75°	51.9	48.6	46.1	44.3	42.7	40.7	38.6	36.9	36.3	35.7	35.5
77.5°	38.4	36.4	34.6	32.9	31.1	29.6	29.1	28.7	28.6	28.3	28.3
80°	30.2	28.3	27.0	25.1	24.0	24.0	24.0	23.6	23.7	23.7	23.7
82.5°	22.4	20.7	20.0	19.3	19.1	19.2	19.2	19.3	19.2	19.5	19.3
85°	11.6	11.7	12.1	12.0	12.1	12.1	12.6	12.3	12.6	12.1	12.6
87.5°	4.8	5.5	5.7	6.0	6.4	6.4	6.6	6.7	6.8	6.9	6.9
90°	2.9	3.6	4.4	5.2	6.1	6.9	7.2	7.4	7.7	7.9	8.2
92.5°	4.6	4.9	5.5	6.1	6.8	7.3	7.7	8.2	8.6	9.0	9.3
95°	7.1	6.1	6.8	7.5	8.2	9.0	9.4	9.9	10.3	10.8	10.9
97.5°	30.6	27.7	23.1	18.5	13.9	9.3	9.8	10.3	10.8	11.3	11.6
100°	53.8	49.5	39.5	29.5	19.5	9.5	10.0	10.5	11.0	11.6	11.8
102.5°	67.6	62.6	51.7	40.8	29.8	19.0	17.4	15.8	14.2	12.6	11.9
105°	88.7	86.2	80.4	74.6	68.9	63.1	51.8	40.4	29.1	17.8	12.1
107.5°	111.3	112.0	112.9	113.8	114.7	115.6	107.3	99.1	90.7	82.4	73.9
110°	126.5	127.1	127.8	128.5	129.2	130.0	127.8	125.7	123.6	121.5	115.9



TEST NUMBER: P332240-930

CATALOG NUMBER: S123RDIP-S340D365U930-4F0-1E-UDD-A

**CANDELA DISTRIBUTION (continued):**

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	141.0	141.6	142.4	143.1	143.7	144.5	144.5	144.6	144.6	144.6	143.7
115°	162.6	163.1	163.6	164.2	164.8	165.3	166.0	166.6	167.3	168.0	168.4
117.5°	184.1	184.5	184.7	185.1	185.4	185.6	186.1	186.7	187.2	187.7	188.0
120°	197.6	198.0	198.2	198.4	198.6	198.8	199.3	199.8	200.3	200.8	201.1
122.5°	210.6	210.9	211.2	211.4	211.7	211.9	212.3	212.6	213.0	213.4	213.5
125°	229.1	229.4	229.8	230.0	230.2	230.5	230.6	230.7	230.9	231.0	231.1
127.5°	246.8	247.2	247.5	247.9	248.2	248.4	248.7	248.8	249.1	249.3	249.3
130°	257.9	258.3	258.5	258.8	259.0	259.3	259.5	259.8	260.1	260.3	260.4
132.5°	268.5	268.8	269.0	269.3	269.5	269.7	269.9	270.2	270.4	270.7	270.8
135°	284.1	284.5	284.7	285.0	285.3	285.5	285.7	285.9	286.1	286.3	286.3
137.5°	298.4	298.7	298.9	299.0	299.1	299.3	299.6	299.9	300.2	300.5	300.6
140°	307.2	307.5	307.7	307.9	308.1	308.3	308.5	308.8	309.0	309.3	309.3
142.5°	315.8	316.0	316.3	316.4	316.6	316.8	317.0	317.2	317.4	317.6	317.6
145°	327.9	328.2	328.3	328.5	328.6	328.7	328.9	329.0	329.1	329.2	329.3
147.5°	338.5	338.8	338.9	339.0	339.2	339.2	339.4	339.5	339.7	339.8	339.7
150°	345.0	345.2	345.4	345.4	345.6	345.7	345.8	346.0	346.1	346.3	346.2
152.5°	350.8	351.0	351.0	351.1	351.1	351.2	351.5	351.7	352.0	352.2	352.1
155°	358.7	358.7	358.8	358.8	358.9	359.0	359.3	359.6	360.0	360.3	360.2
157.5°	366.0	366.0	365.9	365.8	365.7	365.7	366.1	366.5	366.9	367.3	367.2
160°	370.0	369.9	369.8	369.7	369.7	369.7	370.0	370.4	370.8	371.2	371.1
162.5°	373.5	373.3	373.2	373.2	373.2	373.1	373.5	374.0	374.4	374.8	374.9
165°	378.1	378.0	377.9	377.8	377.7	377.7	378.2	378.7	379.3	379.8	379.8
167.5°	381.5	381.4	381.4	381.4	381.4	381.4	381.9	382.4	382.9	383.4	383.4
170°	383.6	383.4	383.4	383.4	383.4	383.4	384.0	384.5	385.0	385.5	385.5
172.5°	384.7	384.7	384.7	384.7	384.8	384.8	385.4	385.9	386.4	386.9	386.9
175°	386.5	386.4	386.5	386.5	386.5	386.6	387.1	387.5	388.0	388.4	388.4
177.5°	387.2	387.1	387.2	387.2	387.3	387.3	387.8	388.2	388.6	389.0	388.9
180°	387.8	387.8	387.8	387.8	387.8	387.8	387.8	387.8	387.8	387.8	387.8



TEST NUMBER: P332240-930

CATALOG NUMBER: S123RDIP-S340D365U930-4F0-1E-UDD-A

**CANDELA DISTRIBUTION (continued):**

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	443.7	443.7	443.7	443.7	443.7	443.7	443.7	443.7	443.7	443.7	443.7
2.5°	422.7	422.6	422.7	422.2	422.7	422.6	422.7	424.6	424.6	424.7	424.9
5°	393.4	393.2	392.6	390.9	392.6	393.2	393.4	394.0	395.5	398.1	397.4
7.5°	367.7	367.5	365.8	365.8	365.8	367.5	367.7	369.2	371.0	372.6	374.5
10°	352.5	352.7	350.4	349.1	350.4	352.7	352.5	353.8	356.4	357.7	359.0
12.5°	337.8	337.0	335.1	333.6	335.1	337.0	337.8	338.8	342.2	343.7	346.3
15°	318.4	316.4	311.9	312.3	311.9	316.4	318.4	317.6	321.0	322.9	323.7
17.5°	295.5	294.1	294.0	291.3	294.0	294.1	295.5	296.9	299.9	302.0	307.4
20°	282.1	281.1	281.5	278.8	281.5	281.1	282.1	285.1	287.0	289.7	294.1
22.5°	271.6	270.6	269.0	268.2	269.0	270.6	271.6	273.7	275.7	279.5	281.8
25°	256.2	254.7	253.2	254.1	253.2	254.7	256.2	257.4	261.1	262.9	266.3
27.5°	240.9	239.8	238.2	238.1	238.2	239.8	240.9	242.0	244.1	247.0	251.1
30°	231.1	230.0	229.3	228.3	229.3	230.0	231.1	232.1	234.2	237.3	240.3
32.5°	221.3	221.0	219.7	219.5	219.7	221.0	221.3	222.8	224.9	227.8	230.4
35°	208.4	207.2	206.8	207.0	206.8	207.2	208.4	209.1	211.0	213.7	216.1
37.5°	196.1	194.6	193.9	193.2	193.9	194.6	196.1	196.2	198.1	199.9	203.3
40°	187.3	185.8	185.4	185.0	185.4	185.8	187.3	187.1	189.1	190.5	193.6
42.5°	177.4	176.8	176.6	175.9	176.6	176.8	177.4	178.5	179.6	181.6	183.8
45°	164.0	163.7	162.6	163.0	162.6	163.7	164.0	164.5	166.6	168.0	170.0
47.5°	149.7	148.9	148.1	148.6	148.1	148.9	149.7	150.5	151.9	153.5	156.3
50°	140.0	139.6	137.9	138.3	137.9	139.6	140.0	140.7	141.7	143.8	146.3
52.5°	130.3	128.8	128.2	127.9	128.2	128.8	130.3	131.0	132.2	134.5	136.4
55°	114.1	112.4	111.7	111.3	111.7	112.4	114.1	115.5	117.0	119.7	121.6
57.5°	98.3	97.9	97.3	97.7	97.3	97.9	98.3	100.5	102.1	104.1	106.5
60°	89.1	89.1	89.1	88.9	89.1	89.1	89.1	91.0	92.3	94.4	96.9
62.5°	81.9	81.4	81.4	81.6	81.4	81.4	81.9	82.8	84.1	85.4	87.6
65°	71.0	70.8	70.1	69.9	70.1	70.8	71.0	71.6	72.7	73.7	75.3
67.5°	60.7	60.1	59.8	59.6	59.8	60.1	60.7	61.2	62.0	63.2	64.0
70°	53.0	52.6	51.4	51.7	51.4	52.6	53.0	54.0	54.7	56.3	57.0
72.5°	44.7	44.3	44.0	43.8	44.0	44.3	44.7	45.6	46.3	48.0	49.2
75°	35.3	35.1	35.0	35.7	35.0	35.1	35.3	35.5	35.7	36.3	36.9
77.5°	28.3	28.3	28.5	28.1	28.5	28.3	28.3	28.3	28.3	28.6	28.7
80°	23.7	23.7	23.6	23.6	23.6	23.7	23.7	23.7	23.7	23.7	23.6
82.5°	19.0	19.2	19.3	19.0	19.3	19.2	19.0	19.3	19.5	19.2	19.3
85°	12.6	12.3	12.7	12.6	12.7	12.3	12.6	12.6	12.1	12.6	12.3
87.5°	7.3	7.0	7.0	7.2	7.0	7.0	7.3	6.9	6.9	6.8	6.7
90°	8.2	8.4	8.5	8.6	8.5	8.4	8.2	8.2	7.9	7.7	7.4
92.5°	9.3	9.4	9.5	9.5	9.5	9.4	9.3	9.3	9.0	8.6	8.2
95°	10.9	10.9	10.9	10.9	10.9	10.9	10.9	10.9	10.8	10.3	9.9
97.5°	11.7	11.7	11.8	11.9	11.8	11.7	11.7	11.6	11.3	10.8	10.3
100°	11.9	12.0	12.1	12.1	12.1	12.0	11.9	11.8	11.6	11.0	10.5
102.5°	12.0	12.1	12.2	12.3	12.2	12.1	12.0	11.9	12.6	14.2	15.8
105°	12.3	12.4	12.6	12.6	12.6	12.4	12.3	12.1	17.8	29.1	40.4
107.5°	65.5	56.9	48.3	39.8	48.3	56.9	65.5	73.9	82.4	90.7	99.1
110°	106.7	97.5	88.4	79.2	88.4	97.5	106.7	115.9	121.5	123.6	125.7



TEST NUMBER: P332240-930

CATALOG NUMBER: S123RDIP-S340D365U930-4F0-1E-UDD-A

**CANDELA DISTRIBUTION (continued):**

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	141.7	139.8	137.9	135.9	137.9	139.8	141.7	143.7	144.6	144.6	144.6
115°	168.6	168.9	169.2	169.4	169.2	168.9	168.6	168.4	168.0	167.3	166.6
117.5°	188.0	188.1	188.2	188.2	188.2	188.1	188.0	188.0	187.7	187.2	186.7
120°	201.1	201.1	201.1	201.1	201.1	201.1	201.1	201.1	200.8	200.3	199.8
122.5°	213.6	213.7	213.7	213.8	213.7	213.7	213.6	213.5	213.4	213.0	212.6
125°	231.2	231.4	231.5	231.6	231.5	231.4	231.2	231.1	231.0	230.9	230.7
127.5°	249.2	249.1	248.9	248.8	248.9	249.1	249.2	249.3	249.3	249.1	248.8
130°	260.2	260.2	260.0	259.8	260.0	260.2	260.2	260.4	260.3	260.1	259.8
132.5°	270.5	270.4	270.2	270.0	270.2	270.4	270.5	270.8	270.7	270.4	270.2
135°	286.1	285.9	285.7	285.5	285.7	285.9	286.1	286.3	286.3	286.1	285.9
137.5°	300.4	300.4	300.2	300.1	300.2	300.4	300.4	300.6	300.5	300.2	299.9
140°	309.2	309.1	309.0	308.8	309.0	309.1	309.2	309.3	309.3	309.0	308.8
142.5°	317.5	317.2	317.1	316.9	317.1	317.2	317.5	317.6	317.6	317.4	317.2
145°	329.3	329.3	329.3	329.3	329.3	329.3	329.3	329.3	329.2	329.1	329.0
147.5°	339.4	339.1	338.8	338.5	338.8	339.1	339.4	339.7	339.8	339.7	339.5
150°	346.0	345.8	345.6	345.4	345.6	345.8	346.0	346.2	346.3	346.1	346.0
152.5°	351.9	351.6	351.2	351.0	351.2	351.6	351.9	352.1	352.2	352.0	351.7
155°	359.9	359.5	359.1	358.7	359.1	359.5	359.9	360.2	360.3	360.0	359.6
157.5°	366.7	366.2	365.7	365.2	365.7	366.2	366.7	367.2	367.3	366.9	366.5
160°	370.7	370.2	369.8	369.3	369.8	370.2	370.7	371.1	371.2	370.8	370.4
162.5°	374.5	374.1	373.7	373.2	373.7	374.1	374.5	374.9	374.8	374.4	374.0
165°	379.4	378.9	378.5	378.0	378.5	378.9	379.4	379.8	379.8	379.3	378.7
167.5°	382.9	382.4	381.9	381.4	381.9	382.4	382.9	383.4	383.4	382.9	382.4
170°	385.0	384.5	384.0	383.4	384.0	384.5	385.0	385.5	385.5	385.0	384.5
172.5°	386.3	385.7	385.1	384.6	385.1	385.7	386.3	386.9	386.9	386.4	385.9
175°	387.9	387.3	386.9	386.4	386.9	387.3	387.9	388.4	388.4	388.0	387.5
177.5°	388.4	387.9	387.3	386.9	387.3	387.9	388.4	388.9	389.0	388.6	388.2
180°	387.8	387.8	387.8	387.8	387.8	387.8	387.8	387.8	387.8	387.8	387.8



TEST NUMBER: P332240-930

CATALOG NUMBER: S123RDIP-S340D365U930-4F0-1E-UDD-A

**CANDELA DISTRIBUTION (continued):**

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	443.7	443.7	443.7	443.7	443.7	443.7	443.7	443.7	443.7	443.7	443.7
2.5°	423.5	425.7	427.8	429.7	432.8	434.1	436.1	436.9	439.1	442.5	445.2
5°	397.8	400.8	404.8	408.0	413.1	417.1	421.5	425.7	430.6	437.7	443.9
7.5°	375.9	378.9	383.7	389.7	395.3	401.0	407.0	412.7	419.7	429.8	439.8
10°	361.5	365.1	370.8	377.2	384.3	389.8	396.8	404.0	412.8	424.4	436.3
12.5°	349.0	351.7	358.3	364.4	372.4	379.4	386.3	394.8	404.7	417.0	431.5
15°	329.2	333.0	339.4	346.3	354.7	362.1	371.0	381.2	390.9	406.1	423.5
17.5°	309.2	315.0	321.8	329.5	335.7	345.9	355.6	366.1	378.1	394.1	413.4
20°	296.5	301.1	307.4	318.5	326.7	334.5	343.4	356.5	367.5	385.8	405.7
22.5°	285.7	289.0	296.1	305.3	314.9	323.8	333.0	345.4	359.1	376.3	397.9
25°	269.7	275.1	280.4	287.0	297.3	308.1	318.0	328.6	343.1	361.5	384.8
27.5°	254.1	258.9	264.2	272.3	280.1	290.2	300.6	312.7	328.2	347.7	371.5
30°	244.1	247.7	252.7	263.1	270.1	278.8	291.0	301.8	316.3	337.0	362.1
32.5°	233.7	238.4	243.9	251.8	260.6	268.8	279.9	291.6	306.4	326.8	352.5
35°	219.0	224.5	230.0	235.9	244.7	253.2	262.5	275.4	290.4	310.2	335.4
37.5°	205.5	209.9	214.3	221.7	229.9	238.1	246.8	259.5	273.6	295.0	318.1
40°	196.8	200.8	204.2	211.8	219.8	228.5	237.1	248.3	263.4	283.4	305.8
42.5°	187.4	191.0	195.7	201.9	210.5	217.8	226.4	237.0	251.3	271.6	291.2
45°	173.3	177.4	181.4	187.3	195.8	203.1	210.7	220.7	235.4	252.1	269.5
47.5°	158.5	162.7	167.3	173.0	180.4	187.8	195.3	204.2	217.6	234.0	245.8
50°	149.1	152.5	157.1	162.8	169.7	177.4	184.3	194.0	206.7	219.6	229.8
52.5°	139.4	142.5	147.7	153.7	160.0	166.8	174.1	182.4	193.9	206.0	214.2
55°	124.3	128.0	132.4	138.3	144.6	150.3	157.3	165.8	175.0	184.1	189.6
57.5°	110.1	113.2	116.9	122.9	128.4	135.2	141.5	148.1	156.6	163.5	167.1
60°	99.7	102.6	107.3	112.7	117.7	123.7	130.9	137.5	144.0	149.5	152.3
62.5°	90.0	93.3	97.4	102.3	107.9	113.5	119.8	125.4	131.1	135.8	137.8
65°	77.3	80.0	83.0	87.6	92.1	97.8	102.7	108.4	112.7	115.3	117.0
67.5°	65.8	67.5	69.8	72.9	77.4	82.3	87.1	91.6	95.1	96.9	98.4
70°	58.3	59.4	61.1	64.2	67.6	72.0	77.0	80.1	83.2	84.7	86.3
72.5°	50.9	52.3	53.9	56.3	59.1	62.3	65.9	69.8	71.5	73.3	74.2
75°	38.6	40.7	42.7	44.3	46.1	48.6	51.9	54.3	55.3	56.8	57.0
77.5°	29.1	29.6	31.1	32.9	34.6	36.4	38.4	40.6	41.1	41.8	42.4
80°	24.0	24.0	24.0	25.1	27.0	28.3	30.2	31.3	32.1	32.3	32.4
82.5°	19.2	19.2	19.1	19.3	20.0	20.7	22.4	23.7	24.4	24.2	23.8
85°	12.6	12.1	12.1	12.0	12.1	11.7	11.6	12.3	13.5	13.5	13.1
87.5°	6.6	6.4	6.4	6.0	5.7	5.5	4.8	4.8	4.7	5.2	4.9
90°	7.2	6.9	6.1	5.2	4.4	3.6	2.9	2.2	1.5	0.9	0.3
92.5°	7.7	7.3	6.8	6.1	5.5	4.9	4.6	4.8	5.0	5.2	5.4
95°	9.4	9.0	8.2	7.5	6.8	6.1	7.1	9.7	12.3	14.9	17.6
97.5°	9.8	9.3	13.9	18.5	23.1	27.7	30.6	31.8	32.9	34.2	35.3
100°	10.0	9.5	19.5	29.5	39.5	49.5	53.8	52.5	51.3	50.0	48.7
102.5°	17.4	19.0	29.8	40.8	51.7	62.6	67.6	66.7	65.7	64.8	63.9
105°	51.8	63.1	68.9	74.6	80.4	86.2	88.7	88.0	87.2	86.6	85.9
107.5°	107.3	115.6	114.7	113.8	112.9	112.0	111.3	110.7	110.1	109.6	109.0
110°	127.8	130.0	129.2	128.5	127.8	127.1	126.5	126.0	125.5	125.0	124.5



TEST NUMBER: P332240-930

CATALOG NUMBER: S123RDIP-S340D365U930-4F0-1E-UDD-A

**CANDELA DISTRIBUTION (continued):**

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	144.5	144.5	143.7	143.1	142.4	141.6	141.0	140.6	140.1	139.7	139.2
115°	166.0	165.3	164.8	164.2	163.6	163.1	162.6	162.2	161.8	161.4	161.0
117.5°	186.1	185.6	185.4	185.1	184.7	184.5	184.1	183.6	183.1	182.7	182.2
120°	199.3	198.8	198.6	198.4	198.2	198.0	197.6	197.1	196.5	195.9	195.3
122.5°	212.3	211.9	211.7	211.4	211.2	210.9	210.6	210.1	209.6	209.2	208.7
125°	230.6	230.5	230.2	230.0	229.8	229.4	229.1	228.5	228.0	227.6	227.1
127.5°	248.7	248.4	248.2	247.9	247.5	247.2	246.8	246.3	245.8	245.3	244.8
130°	259.5	259.3	259.0	258.8	258.5	258.3	257.9	257.4	256.8	256.3	255.8
132.5°	269.9	269.7	269.5	269.3	269.0	268.8	268.5	268.0	267.5	266.9	266.4
135°	285.7	285.5	285.3	285.0	284.7	284.5	284.1	283.8	283.4	283.0	282.7
137.5°	299.6	299.3	299.1	299.0	298.9	298.7	298.4	297.9	297.4	296.9	296.4
140°	308.5	308.3	308.1	307.9	307.7	307.5	307.2	306.8	306.5	306.1	305.7
142.5°	317.0	316.8	316.6	316.4	316.3	316.0	315.8	315.4	315.0	314.6	314.2
145°	328.9	328.7	328.6	328.5	328.3	328.2	327.9	327.5	327.0	326.6	326.1
147.5°	339.4	339.2	339.2	339.0	338.9	338.8	338.5	338.3	337.9	337.7	337.4
150°	345.8	345.7	345.6	345.4	345.4	345.2	345.0	344.9	344.6	344.5	344.3
152.5°	351.5	351.2	351.1	351.1	351.0	351.0	350.8	350.7	350.7	350.6	350.5
155°	359.3	359.0	358.9	358.8	358.8	358.7	358.7	358.9	359.0	359.1	359.3
157.5°	366.1	365.7	365.7	365.8	365.9	366.0	366.0	366.0	366.1	366.1	366.1
160°	370.0	369.7	369.7	369.7	369.8	369.9	370.0	370.0	370.1	370.1	370.2
162.5°	373.5	373.1	373.2	373.2	373.2	373.3	373.5	373.7	373.8	374.0	374.1
165°	378.2	377.7	377.7	377.8	377.9	378.0	378.1	378.3	378.5	378.6	378.9
167.5°	381.9	381.4	381.4	381.4	381.4	381.4	381.5	381.8	382.0	382.3	382.5
170°	384.0	383.4	383.4	383.4	383.4	383.4	383.6	383.8	384.1	384.3	384.6
172.5°	385.4	384.8	384.8	384.7	384.7	384.7	384.7	385.1	385.4	385.7	386.0
175°	387.1	386.6	386.5	386.5	386.5	386.4	386.5	386.9	387.1	387.4	387.8
177.5°	387.8	387.3	387.3	387.2	387.2	387.1	387.2	387.5	387.8	388.0	388.2
180°	387.8	387.8	387.8	387.8	387.8	387.8	387.8	387.8	387.8	387.8	387.8



TEST NUMBER: P332240-930

CATALOG NUMBER: S123RDIP-S340D365U930-4F0-1E-UDD-A

**CANDELA DISTRIBUTION (continued):**

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	443.7	443.7	443.7	443.7	443.7	443.7	443.7	443.7	443.7	443.7	443.7
2.5°	446.1	447.8	450.0	453.1	455.6	457.7	458.1	458.8	460.3	462.8	464.8
5°	449.1	453.4	460.4	467.2	474.7	480.8	486.5	490.5	494.2	502.2	508.7
7.5°	448.1	457.9	468.9	481.1	493.6	505.6	516.7	526.8	536.7	548.4	561.6
10°	447.5	458.9	473.8	489.5	506.8	523.7	540.1	552.8	567.5	580.9	597.8
12.5°	444.7	461.1	478.7	498.9	520.2	539.6	561.2	578.7	595.7	614.9	634.5
15°	440.8	460.8	483.2	510.0	542.3	565.8	587.9	618.5	639.4	660.2	688.4
17.5°	434.0	458.4	486.3	521.1	548.0	579.8	612.9	637.1	665.2	694.6	720.1
20°	428.5	456.8	488.2	522.4	556.8	591.1	623.2	652.1	681.2	715.2	736.1
22.5°	423.1	451.0	483.6	519.9	556.8	593.1	629.4	663.3	696.0	730.3	757.0
25°	411.4	444.7	480.0	517.1	553.5	593.4	636.7	674.5	714.9	750.3	775.6
27.5°	399.7	430.2	465.3	502.9	543.4	590.5	641.5	684.4	725.0	750.3	758.2
30°	389.0	421.3	453.6	491.8	535.7	588.2	642.4	691.6	724.8	735.9	727.7
32.5°	378.2	407.5	439.4	478.6	525.1	582.6	643.6	687.4	707.4	699.0	665.7
35°	359.2	385.6	416.5	455.7	509.2	579.5	638.6	668.2	663.3	615.8	553.1
37.5°	338.8	360.4	389.0	429.9	492.8	567.2	617.0	621.4	578.6	505.7	433.3
40°	322.7	342.1	371.5	414.3	480.0	555.1	595.3	577.6	511.4	430.2	369.8
42.5°	307.0	323.4	351.8	397.9	467.8	538.4	563.0	524.5	448.0	371.3	316.3
45°	280.5	296.0	324.4	371.7	443.0	506.8	503.5	436.7	360.1	298.4	252.8
47.5°	255.4	268.9	295.6	343.9	413.8	459.3	429.1	357.9	293.0	243.4	210.9
50°	237.7	250.9	277.5	325.2	390.4	423.5	380.5	311.9	252.4	211.4	185.6
52.5°	220.6	233.6	257.9	304.4	362.1	382.0	335.7	272.1	222.5	187.1	164.9
55°	196.8	206.7	228.5	273.0	316.1	320.7	273.7	220.5	179.7	155.0	139.8
57.5°	172.5	181.0	202.6	238.0	268.2	265.9	221.4	175.4	147.9	129.6	118.5
60°	156.7	165.1	184.1	214.4	237.3	229.3	188.4	151.4	127.8	114.4	105.6
62.5°	141.9	148.5	166.3	188.5	204.9	195.8	161.1	130.4	111.7	100.4	93.4
65°	120.6	126.0	140.1	151.8	160.9	152.1	123.3	102.0	88.5	80.6	75.8
67.5°	100.4	103.7	112.7	116.9	123.4	113.7	92.7	78.4	70.8	64.1	60.7
70°	87.6	90.0	94.8	98.2	99.9	90.0	74.4	64.0	57.6	52.8	50.7
72.5°	74.8	77.0	77.9	80.7	79.8	70.6	59.8	51.5	46.9	43.7	41.0
75°	57.2	58.1	57.2	56.0	53.6	47.1	39.7	35.5	32.1	30.6	29.6
77.5°	41.7	41.3	40.1	38.3	34.1	30.0	26.0	24.6	23.2	22.3	22.0
80°	32.1	31.3	30.2	27.3	23.7	20.9	20.0	19.0	18.4	17.4	17.3
82.5°	23.9	23.4	21.5	19.2	16.6	15.2	14.5	14.1	13.5	13.0	13.0
85°	12.7	12.1	10.0	8.7	8.4	8.0	7.8	7.8	7.0	6.8	6.8
87.5°	4.3	3.5	3.5	3.2	3.3	3.2	3.5	3.3	3.3	3.6	3.3
90°	0.9	1.5	2.2	2.9	3.6	4.4	5.2	6.1	6.9	7.2	7.4
92.5°	5.2	5.0	4.8	4.6	4.9	5.5	6.1	6.8	7.3	7.7	8.2
95°	14.9	12.3	9.7	7.1	6.1	6.8	7.5	8.2	9.0	9.4	9.9
97.5°	34.2	32.9	31.8	30.6	27.7	23.1	18.5	13.9	9.3	9.8	10.3
100°	50.0	51.3	52.5	53.8	49.5	39.5	29.5	19.5	9.5	10.0	10.5
102.5°	64.8	65.7	66.7	67.6	62.6	51.7	40.8	29.8	19.0	17.4	15.8
105°	86.6	87.2	88.0	88.7	86.2	80.4	74.6	68.9	63.1	51.8	40.4
107.5°	109.6	110.1	110.7	111.3	112.0	112.9	113.8	114.7	115.6	107.3	99.1
110°	125.0	125.5	126.0	126.5	127.1	127.8	128.5	129.2	130.0	127.8	125.7





TEST NUMBER: P332240-930

CATALOG NUMBER: S123RDIP-S340D365U930-4F0-1E-UDD-A

**CANDELA DISTRIBUTION (continued):**

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	139.7	140.1	140.6	141.0	141.6	142.4	143.1	143.7	144.5	144.5	144.6
115°	161.4	161.8	162.2	162.6	163.1	163.6	164.2	164.8	165.3	166.0	166.6
117.5°	182.7	183.1	183.6	184.1	184.5	184.7	185.1	185.4	185.6	186.1	186.7
120°	195.9	196.5	197.1	197.6	198.0	198.2	198.4	198.6	198.8	199.3	199.8
122.5°	209.2	209.6	210.1	210.6	210.9	211.2	211.4	211.7	211.9	212.3	212.6
125°	227.6	228.0	228.5	229.1	229.4	229.8	230.0	230.2	230.5	230.6	230.7
127.5°	245.3	245.8	246.3	246.8	247.2	247.5	247.9	248.2	248.4	248.7	248.8
130°	256.3	256.8	257.4	257.9	258.3	258.5	258.8	259.0	259.3	259.5	259.8
132.5°	266.9	267.5	268.0	268.5	268.8	269.0	269.3	269.5	269.7	269.9	270.2
135°	283.0	283.4	283.8	284.1	284.5	284.7	285.0	285.3	285.5	285.7	285.9
137.5°	296.9	297.4	297.9	298.4	298.7	298.9	299.0	299.1	299.3	299.6	299.9
140°	306.1	306.5	306.8	307.2	307.5	307.7	307.9	308.1	308.3	308.5	308.8
142.5°	314.6	315.0	315.4	315.8	316.0	316.3	316.4	316.6	316.8	317.0	317.2
145°	326.6	327.0	327.5	327.9	328.2	328.3	328.5	328.6	328.7	328.9	329.0
147.5°	337.7	337.9	338.3	338.5	338.8	338.9	339.0	339.2	339.2	339.4	339.5
150°	344.5	344.6	344.9	345.0	345.2	345.4	345.4	345.6	345.7	345.8	346.0
152.5°	350.6	350.7	350.7	350.8	351.0	351.0	351.1	351.1	351.2	351.5	351.7
155°	359.1	359.0	358.9	358.7	358.7	358.8	358.8	358.9	359.0	359.3	359.6
157.5°	366.1	366.1	366.0	366.0	366.0	365.9	365.8	365.7	365.7	366.1	366.5
160°	370.1	370.1	370.0	370.0	369.9	369.8	369.7	369.7	369.7	370.0	370.4
162.5°	374.0	373.8	373.7	373.5	373.3	373.2	373.2	373.2	373.1	373.5	374.0
165°	378.6	378.5	378.3	378.1	378.0	377.9	377.8	377.7	377.7	378.2	378.7
167.5°	382.3	382.0	381.8	381.5	381.4	381.4	381.4	381.4	381.4	381.9	382.4
170°	384.3	384.1	383.8	383.6	383.4	383.4	383.4	383.4	383.4	384.0	384.5
172.5°	385.7	385.4	385.1	384.7	384.7	384.7	384.7	384.8	384.8	385.4	385.9
175°	387.4	387.1	386.9	386.5	386.4	386.5	386.5	386.5	386.6	387.1	387.5
177.5°	388.0	387.8	387.5	387.2	387.1	387.2	387.2	387.3	387.3	387.8	388.2
180°	387.8	387.8	387.8	387.8	387.8	387.8	387.8	387.8	387.8	387.8	387.8



TEST NUMBER: P332240-930

CATALOG NUMBER: S123RDIP-S340D365U930-4F0-1E-UDD-A

**CANDELA DISTRIBUTION (continued):**

	330°	335°	340°	345°	350°	355°	360°
0°	443.7	443.7	443.7	443.7	443.7	443.7	443.7
2.5°	468.1	468.1	468.6	470.9	471.2	473.2	472.6
5°	514.4	518.0	519.3	525.1	528.4	529.9	526.9
7.5°	571.0	581.2	586.0	592.1	597.3	598.9	594.8
10°	612.4	623.1	631.9	637.5	642.6	646.0	650.4
12.5°	652.3	665.4	673.9	681.7	687.0	691.3	692.0
15°	695.8	715.5	730.5	741.6	747.1	749.9	748.8
17.5°	739.6	757.9	768.6	779.8	787.4	787.8	788.1
20°	764.3	782.2	794.6	802.9	811.5	811.1	813.0
22.5°	780.9	795.0	804.5	810.5	813.4	812.0	812.4
25°	788.6	792.9	791.2	781.5	778.9	770.1	771.6
27.5°	748.7	729.0	708.5	682.2	661.5	644.9	645.7
30°	694.5	659.5	619.6	586.2	556.2	547.8	529.9
32.5°	618.6	566.2	519.5	488.3	462.6	455.6	440.0
35°	490.1	439.1	391.1	362.2	350.8	334.8	334.7
37.5°	380.9	336.1	310.7	289.0	277.7	268.0	267.1
40°	320.4	285.5	266.3	250.7	239.5	232.3	230.6
42.5°	278.2	250.0	232.0	222.3	213.7	209.9	207.2
45°	227.1	208.1	195.7	186.9	183.0	180.1	178.6
47.5°	190.0	177.3	168.8	162.9	159.7	156.7	157.5
50°	169.8	159.4	153.1	147.6	145.1	143.0	143.2
52.5°	153.5	144.1	139.1	135.1	132.1	130.5	129.9
55°	130.3	124.4	119.3	116.4	114.7	112.7	112.1
57.5°	111.1	106.6	102.4	99.2	98.7	96.8	97.0
60°	98.4	94.6	91.2	89.4	88.1	86.4	87.0
62.5°	87.9	84.7	81.6	80.2	78.8	77.6	77.9
65°	72.0	69.0	67.0	66.3	65.7	65.1	64.6
67.5°	57.4	55.5	54.3	52.7	51.5	51.4	50.8
70°	48.3	45.7	43.7	41.6	41.0	40.8	41.0
72.5°	38.6	37.1	36.5	35.5	35.4	34.9	35.2
75°	29.0	28.5	28.1	27.3	27.3	27.3	27.3
77.5°	21.4	21.1	20.9	20.7	20.5	20.2	20.2
80°	16.7	16.6	16.1	16.1	16.0	16.1	16.0
82.5°	12.6	12.6	12.2	12.2	12.0	11.9	12.0
85°	6.4	6.3	6.7	6.3	6.4	6.1	6.4
87.5°	3.3	3.4	3.3	3.3	3.2	3.5	3.3
90°	7.7	7.9	8.2	8.2	8.4	8.5	8.6
92.5°	8.6	9.0	9.3	9.3	9.4	9.5	9.5
95°	10.3	10.8	10.9	10.9	10.9	10.9	10.9
97.5°	10.8	11.3	11.6	11.7	11.7	11.8	11.9
100°	11.0	11.6	11.8	11.9	12.0	12.1	12.1
102.5°	14.2	12.6	11.9	12.0	12.1	12.2	12.3
105°	29.1	17.8	12.1	12.3	12.4	12.6	12.6
107.5°	90.7	82.4	73.9	65.5	56.9	48.3	39.8
110°	123.6	121.5	115.9	106.7	97.5	88.4	79.2



TEST NUMBER: P332240-930

CATALOG NUMBER: S123RDIP-S340D365U930-4F0-1E-UDD-A

**CANDELA DISTRIBUTION (continued):**

	330°	335°	340°	345°	350°	355°	360°
112.5°	144.6	144.6	143.7	141.7	139.8	137.9	135.9
115°	167.3	168.0	168.4	168.6	168.9	169.2	169.4
117.5°	187.2	187.7	188.0	188.0	188.1	188.2	188.2
120°	200.3	200.8	201.1	201.1	201.1	201.1	201.1
122.5°	213.0	213.4	213.5	213.6	213.7	213.7	213.8
125°	230.9	231.0	231.1	231.2	231.4	231.5	231.6
127.5°	249.1	249.3	249.3	249.2	249.1	248.9	248.8
130°	260.1	260.3	260.4	260.2	260.2	260.0	259.8
132.5°	270.4	270.7	270.8	270.5	270.4	270.2	270.0
135°	286.1	286.3	286.3	286.1	285.9	285.7	285.5
137.5°	300.2	300.5	300.6	300.4	300.4	300.2	300.1
140°	309.0	309.3	309.3	309.2	309.1	309.0	308.8
142.5°	317.4	317.6	317.6	317.5	317.2	317.1	316.9
145°	329.1	329.2	329.3	329.3	329.3	329.3	329.3
147.5°	339.7	339.8	339.7	339.4	339.1	338.8	338.5
150°	346.1	346.3	346.2	346.0	345.8	345.6	345.4
152.5°	352.0	352.2	352.1	351.9	351.6	351.2	351.0
155°	360.0	360.3	360.2	359.9	359.5	359.1	358.7
157.5°	366.9	367.3	367.2	366.7	366.2	365.7	365.2
160°	370.8	371.2	371.1	370.7	370.2	369.8	369.3
162.5°	374.4	374.8	374.9	374.5	374.1	373.7	373.2
165°	379.3	379.8	379.8	379.4	378.9	378.5	378.0
167.5°	382.9	383.4	383.4	382.9	382.4	381.9	381.4
170°	385.0	385.5	385.5	385.0	384.5	384.0	383.4
172.5°	386.4	386.9	386.9	386.3	385.7	385.1	384.6
175°	388.0	388.4	388.4	387.9	387.3	386.9	386.4
177.5°	388.6	389.0	388.9	388.4	387.9	387.3	386.9
180°	387.8	387.8	387.8	387.8	387.8	387.8	387.8

(END OF REPORT)