

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: P332266-927

Luminaire Tested: **S123RDIP-S340D1195U927-4F0-1E-UDD-A4**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P332266-927
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-S340D1195U927-4F0-1E-UDD-A4
Description: DEFINE 3 DIRECT-INDIRECT PENDANT LED LUMINAIRE
DOWNLIGHT 340 LUMENS PER FOOT, ASYMMETRIC DIFFUSER, REGRESSED HOUSING
UPLIGHT 1195 LUMENS PER FOOT, BATWING OPTIC
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4497.7 lumens
Efficiency: N/A
Efficacy: 106.6 lumens/watt
Spacing Criteria (0/90/45): 1.21 / 1.22 / 1.36
Luminous Opening: Rectangular (W 4' x L: 0.25' x H: 0')
CIE Type: Semi-Indirect

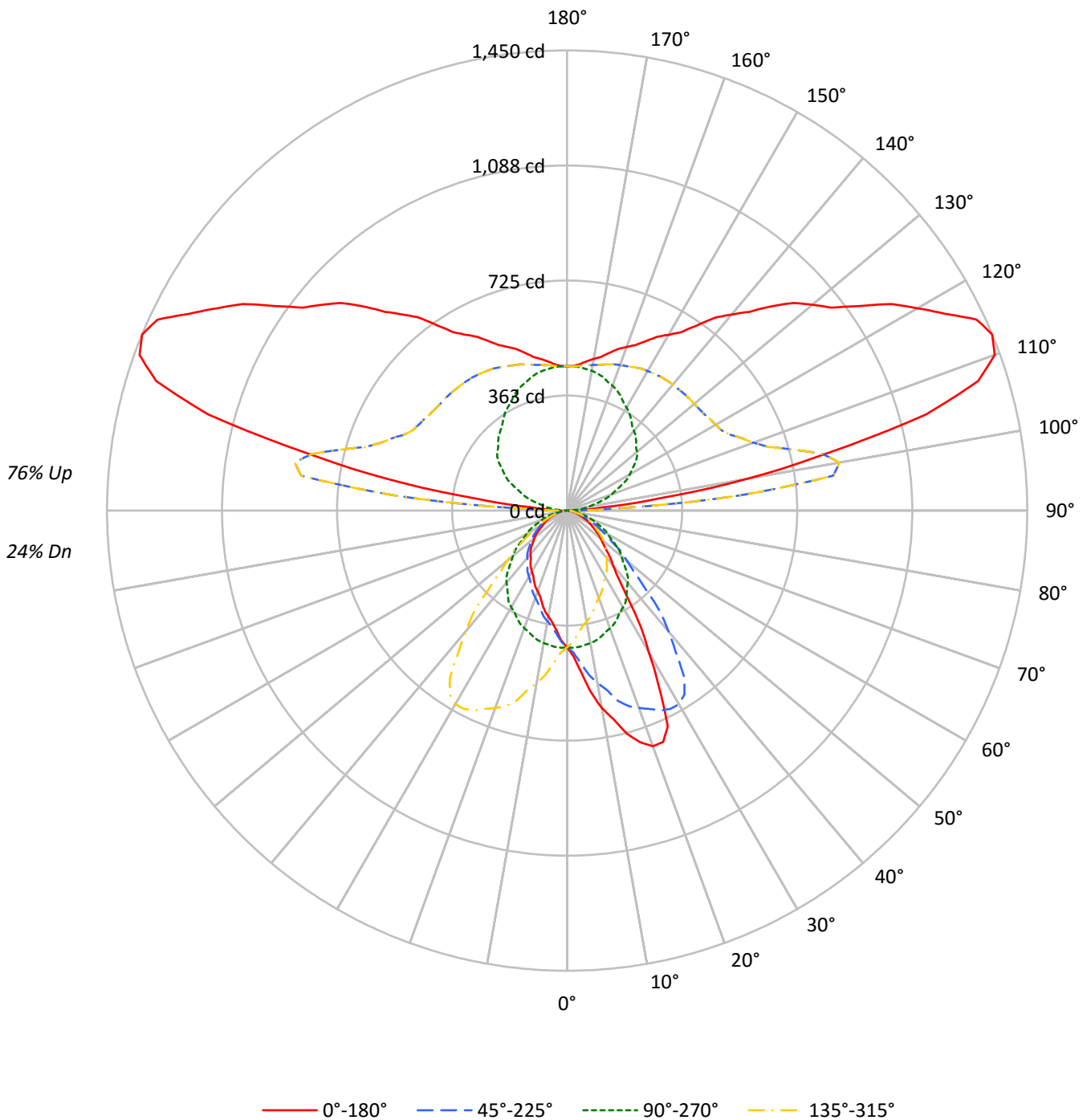
Input Watts (W): 42.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20	
RC	80				70				50				30				10	0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0
RCR																		
0	101	101	101	101	90	90	90	90	69	69	69	50	50	50	32	32	32	24
1	92	88	85	81	82	79	76	73	61	59	57	44	43	42	29	28	28	21
2	84	77	72	67	75	69	64	60	53	50	47	39	37	35	26	25	24	18
3	77	68	61	56	68	61	55	50	47	43	40	35	32	30	23	22	20	15
4	70	60	53	47	62	54	48	43	42	38	34	31	28	26	21	19	18	13
5	65	54	46	40	57	48	42	37	38	33	30	28	25	23	19	17	16	12
6	59	48	40	35	53	43	37	32	34	29	26	25	22	20	17	15	14	11
7	55	43	36	31	49	39	32	28	31	26	23	23	20	17	16	14	12	9
8	51	39	32	27	45	35	29	25	28	23	20	21	18	16	14	12	11	8
9	47	36	29	24	42	32	26	22	25	21	18	19	16	14	13	11	10	8
10	44	33	26	21	39	29	23	19	23	19	16	18	15	13	12	10	9	7

AVERAGE LUMINANCE (cd/sqm):

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



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	42.4	0.9
10°-20°	132.5	2.9
20°-30°	208.1	4.6
30°-40°	217.1	4.8
40°-50°	185.8	4.1
50°-60°	141.6	3.1
60°-70°	90.8	2.0
70°-80°	43.7	1.0
80°-90°	15.1	0.3
90°-100°	253.0	5.6
100°-110°	716.5	15.9
110°-120°	704.8	15.7
120°-130°	562.2	12.5
130°-140°	443.3	9.9
140°-150°	330.8	7.4
150°-160°	230.6	5.1
160°-170°	135.5	3.0
170°-180°	44.1	1.0
0°-30°	382.9	8.5
0°-40°	600.1	13.3
0°-60°	927.5	20.6
0°-90°	1077.0	23.9
90°-120°	1674.3	37.2
90°-150°	3010.6	66.9
90°-180°	3421.0	76.1
0°-180°	4497.7	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°	27	2	27	2	27	14
95°	107	31	107	31	107	192
105°	1171	107	1171	107	1171	1155
115°	1424	189	1424	189	1424	1383
125°	1123	262	1123	262	1123	1018
135°	910	307	910	307	910	706
145°	712	351	712	351	712	452
155°	590	398	590	398	590	275
165°	514	435	514	435	514	147
175°	463	454	463	454	463	45
180°	455	455	455	455	455	



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	431.1	431.1	431.1	431.1	431.1	431.1	431.1	431.1	431.1	431.1	431.1
2.5°	459.2	459.8	457.9	457.6	455.3	454.8	454.8	451.6	449.7	447.3	445.8
5°	512.0	514.9	513.4	510.2	504.6	503.3	499.8	494.2	488.0	480.2	476.6
7.5°	577.9	581.9	580.4	575.3	569.4	564.7	554.8	545.7	532.8	521.5	511.8
10°	631.9	627.7	624.4	619.4	614.0	605.4	595.0	580.8	564.4	551.4	537.1
12.5°	672.4	671.7	667.5	662.3	654.8	646.6	633.8	616.6	597.5	578.8	562.3
15°	727.5	728.6	725.9	720.6	709.8	695.2	676.0	668.8	641.5	621.2	600.9
17.5°	765.7	765.5	765.1	757.7	746.8	736.4	718.6	699.7	674.9	646.3	619.0
20°	790.0	788.1	788.5	780.1	772.1	760.0	742.7	715.2	694.9	661.9	633.6
22.5°	789.3	788.9	790.4	787.5	781.6	772.5	758.8	735.5	709.6	676.3	644.5
25°	749.7	748.2	756.9	759.3	768.7	770.4	766.3	753.6	729.0	694.7	655.4
27.5°	627.4	626.6	642.7	662.9	688.4	708.3	727.5	736.7	729.0	704.4	665.0
30°	514.9	532.3	540.4	569.6	602.1	640.8	674.8	707.0	715.0	704.3	672.0
32.5°	427.5	442.7	449.5	474.4	504.8	550.2	601.1	646.8	679.1	687.3	667.9
35°	325.2	325.3	340.9	352.0	380.0	426.7	476.2	537.4	598.3	644.5	649.3
37.5°	259.5	260.4	269.8	280.8	301.9	326.5	370.1	421.0	491.4	562.2	603.8
40°	224.0	225.7	232.7	243.6	258.7	277.4	311.3	359.3	418.0	496.9	561.3
42.5°	201.3	204.0	207.6	216.0	225.4	242.9	270.3	307.4	360.8	435.3	509.6
45°	173.5	175.0	177.8	181.6	190.1	202.2	220.7	245.7	289.9	349.9	424.3
47.5°	153.0	152.3	155.2	158.3	164.0	172.3	184.7	204.9	236.5	284.7	347.8
50°	139.2	138.9	141.0	143.4	148.8	154.9	165.0	180.3	205.4	245.3	303.1
52.5°	126.2	126.8	128.3	131.3	135.1	140.1	149.2	160.3	181.8	216.2	264.4
55°	108.9	109.5	111.5	113.1	115.9	120.9	126.6	135.9	150.6	174.6	214.3
57.5°	94.3	94.0	95.9	96.4	99.5	103.5	108.0	115.2	125.9	143.7	170.4
60°	84.5	84.0	85.6	86.9	88.6	91.9	95.6	102.6	111.1	124.2	147.1
62.5°	75.7	75.4	76.6	78.0	79.3	82.3	85.4	90.8	97.5	108.5	126.7
65°	62.7	63.3	63.8	64.4	65.1	67.0	69.9	73.7	78.3	86.0	99.1
67.5°	49.4	49.9	50.1	51.2	52.8	53.9	55.8	59.0	62.3	68.8	76.2
70°	39.8	39.7	39.8	40.4	42.5	44.4	46.9	49.3	51.3	55.9	62.2
72.5°	34.2	33.9	34.4	34.5	35.5	36.0	37.5	39.8	42.5	45.6	50.1
75°	26.5	26.5	26.5	26.5	27.3	27.6	28.2	28.8	29.7	31.2	34.5
77.5°	19.6	19.6	20.0	20.1	20.3	20.5	20.8	21.4	21.7	22.5	23.9
80°	15.5	15.7	15.5	15.7	15.7	16.1	16.2	16.8	17.0	17.9	18.5
82.5°	11.6	11.6	11.6	11.9	11.9	12.2	12.3	12.7	12.7	13.2	13.7
85°	6.3	5.9	6.3	6.1	6.5	6.1	6.3	6.7	6.7	6.8	7.6
87.5°	6.8	7.3	6.8	6.8	7.0	6.7	6.6	6.3	6.5	6.5	6.1
90°	26.7	27.6	26.7	25.7	26.7	24.9	23.9	23.0	22.1	23.0	20.3
92.5°	44.4	46.0	45.1	47.8	49.5	54.3	61.5	77.5	106.8	141.6	155.7
95°	106.8	110.4	116.9	125.2	142.7	175.8	224.6	331.4	442.7	545.8	486.0
97.5°	290.7	298.6	323.4	364.9	432.8	542.9	661.6	825.9	904.9	845.8	619.2
100°	577.1	576.2	612.0	679.2	772.2	902.9	1010.6	1085.1	1053.0	871.6	589.1
102.5°	846.6	867.8	897.8	950.9	1023.3	1106.1	1168.9	1171.3	1060.3	823.8	544.9
105°	1170.8	1175.4	1204.8	1239.8	1282.1	1306.1	1288.6	1196.5	1004.2	740.0	490.6
107.5°	1357.4	1365.9	1375.8	1387.6	1386.9	1354.1	1273.4	1123.9	905.9	666.0	456.0
110°	1434.0	1435.8	1437.7	1430.3	1404.5	1340.1	1224.2	1054.8	844.0	624.0	442.7



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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	1449.5	1449.1	1442.1	1419.3	1372.1	1289.3	1159.4	986.3	790.3	596.0	435.4
115°	1423.9	1419.3	1400.8	1360.3	1291.3	1191.0	1055.7	895.6	725.2	566.0	432.6
117.5°	1342.5	1336.3	1309.7	1263.4	1191.4	1089.6	968.0	829.8	686.0	548.3	434.3
120°	1274.8	1269.2	1247.1	1195.6	1122.9	1029.9	919.5	795.2	665.4	540.3	437.2
122.5°	1211.4	1204.4	1180.1	1133.8	1069.1	982.8	880.4	767.9	648.5	535.1	442.4
125°	1122.9	1116.4	1093.4	1053.0	994.0	920.4	832.0	731.7	626.8	528.3	450.0
127.5°	1050.0	1044.1	1023.3	988.7	936.2	869.2	789.5	700.1	607.7	525.0	458.9
130°	1008.8	1001.4	982.1	949.0	900.2	837.6	763.0	680.2	597.3	522.8	464.8
132.5°	968.3	963.1	945.9	912.8	867.0	807.4	738.0	661.8	587.8	522.0	469.2
135°	910.3	903.8	887.2	859.7	814.5	762.1	702.3	636.9	575.3	520.9	475.9
137.5°	849.0	844.7	830.8	802.8	764.9	719.4	667.8	614.3	564.4	518.9	480.3
140°	806.3	807.2	792.5	766.7	731.7	692.1	647.9	601.0	557.8	518.2	483.2
142.5°	766.5	767.4	754.2	731.3	701.6	667.1	628.8	588.5	551.8	516.7	485.4
145°	711.5	709.6	702.3	682.9	659.9	633.3	603.8	573.4	544.0	514.5	486.9
147.5°	666.1	665.4	658.5	645.4	627.9	609.0	585.2	561.1	536.2	511.0	486.9
150°	639.7	639.7	634.1	624.0	610.2	592.7	573.4	552.2	531.1	508.0	486.9
152.5°	617.6	617.6	614.3	604.9	594.1	579.5	562.4	544.2	525.2	504.4	484.7
155°	589.9	589.1	587.2	579.9	571.6	560.5	546.7	532.0	516.3	498.0	482.3
157.5°	564.7	564.9	563.5	557.9	550.7	542.1	531.5	519.1	506.4	492.3	479.2
160°	548.6	549.5	549.5	544.0	537.5	531.1	521.9	511.7	499.8	487.8	477.7
162.5°	533.9	534.7	534.7	530.0	525.7	520.0	511.6	502.9	493.1	483.4	474.8
165°	514.5	514.5	515.4	511.7	508.0	503.4	497.0	491.5	484.1	476.7	470.3
167.5°	496.1	496.1	497.0	494.4	492.8	489.5	485.8	481.6	475.5	470.2	465.9
170°	485.1	485.1	486.0	484.1	483.2	481.3	477.7	474.9	470.3	465.7	463.0
172.5°	474.8	475.5	477.1	475.3	475.1	474.0	471.0	469.1	465.2	462.0	460.7
175°	463.0	463.9	464.8	463.9	463.9	463.9	462.0	461.1	459.3	457.4	457.4
177.5°	456.1	456.1	457.6	456.9	457.6	457.6	456.9	456.1	455.4	454.7	455.4
180°	454.7	454.7	454.7	454.7	454.7	454.7	454.7	454.7	454.7	454.7	454.7



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CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	431.1	431.1	431.1	431.1	431.1	431.1	431.1	431.1	431.1	431.1	431.1
2.5°	445.1	444.7	442.7	440.3	437.2	435.1	433.5	432.6	429.9	426.7	424.5
5°	472.7	467.1	461.2	454.0	447.3	440.5	436.3	431.3	425.2	418.4	413.6
7.5°	502.1	491.2	479.6	467.5	455.6	444.9	435.4	427.3	417.6	407.8	401.0
10°	524.7	508.8	492.4	475.6	460.3	445.9	434.8	424.0	412.3	401.1	392.5
12.5°	545.3	524.3	505.4	484.7	465.2	448.0	432.1	419.2	405.2	393.2	383.6
15°	571.2	549.8	527.0	495.5	469.5	447.7	428.3	411.5	394.6	379.9	370.4
17.5°	595.5	563.3	532.5	506.4	472.5	445.4	421.7	401.6	382.9	367.3	355.7
20°	605.5	574.3	541.0	507.6	474.4	443.9	416.4	394.2	374.9	357.1	346.4
22.5°	611.6	576.3	541.1	505.2	469.9	438.2	411.1	386.7	365.7	348.9	335.6
25°	618.6	576.6	537.8	502.4	466.4	432.1	399.7	373.9	351.3	333.4	319.3
27.5°	623.3	573.8	528.0	488.6	452.1	418.0	388.3	360.9	337.9	318.9	303.9
30°	624.2	571.6	520.5	477.8	440.8	409.3	378.0	351.8	327.4	307.3	293.3
32.5°	625.3	566.1	510.2	465.0	427.0	395.9	367.5	342.5	317.5	297.7	283.4
35°	620.5	563.1	494.8	442.8	404.7	374.6	349.0	325.9	301.4	282.2	267.6
37.5°	599.5	551.1	478.8	417.7	378.0	350.1	329.2	309.1	286.6	265.9	252.2
40°	578.5	539.3	466.4	402.5	361.0	332.4	313.5	297.1	275.4	256.0	241.2
42.5°	547.0	523.2	454.6	386.6	341.8	314.3	298.3	283.0	263.9	244.2	230.3
45°	489.3	492.4	430.4	361.2	315.2	287.6	272.6	261.9	244.9	228.7	214.4
47.5°	416.9	446.2	402.0	334.1	287.2	261.3	248.2	238.8	227.4	211.4	198.4
50°	369.7	411.5	379.3	316.0	269.7	243.8	230.9	223.3	213.3	200.8	188.5
52.5°	326.1	371.1	351.8	295.7	250.6	227.0	214.4	208.1	200.2	188.4	177.2
55°	265.9	311.6	307.1	265.2	222.0	200.8	191.2	184.2	178.9	170.0	161.1
57.5°	215.2	258.3	260.6	231.2	196.9	175.9	167.6	162.3	158.8	152.2	143.9
60°	183.1	222.8	230.5	208.3	178.9	160.4	152.3	148.0	145.3	139.9	133.6
62.5°	156.5	190.3	199.1	183.2	161.6	144.3	137.9	133.9	132.0	127.4	121.8
65°	119.8	147.8	156.3	147.5	136.2	122.4	117.2	113.7	112.0	109.5	105.4
67.5°	90.1	110.5	119.9	113.6	109.5	100.8	97.5	95.6	94.1	92.4	89.0
70°	72.3	87.5	97.0	95.5	92.1	87.5	85.1	83.8	82.3	80.8	77.9
72.5°	58.1	68.6	77.6	78.4	75.7	74.8	72.6	72.1	71.2	69.5	67.8
75°	38.6	45.8	52.0	54.4	55.5	56.5	55.5	55.4	55.2	53.7	52.8
77.5°	25.3	29.2	33.1	37.2	39.0	40.2	40.5	41.2	40.6	39.9	39.5
80°	19.4	20.3	23.1	26.5	29.3	30.4	31.2	31.5	31.4	31.2	30.4
82.5°	14.1	14.8	16.2	18.6	20.9	22.7	23.2	23.1	23.5	23.7	23.1
85°	7.6	7.8	8.2	8.5	9.7	11.8	12.4	12.8	13.1	13.1	12.0
87.5°	5.9	5.1	4.9	4.5	4.6	4.2	4.8	5.1	5.6	5.4	5.9
90°	17.5	14.7	12.0	10.1	8.3	5.5	3.6	1.8	3.6	5.5	8.3
92.5°	116.9	77.3	53.2	39.6	31.8	24.6	17.0	11.4	17.0	24.6	31.8
95°	335.0	197.9	119.6	83.7	59.8	44.2	34.1	31.3	34.1	44.2	59.8
97.5°	367.6	213.0	138.2	99.4	75.8	62.2	54.3	53.4	54.3	62.2	75.8
100°	347.0	210.8	146.3	110.4	88.3	75.5	69.0	68.1	69.0	75.5	88.3
102.5°	329.3	213.7	155.9	122.9	103.1	90.9	85.2	83.6	85.2	90.9	103.1
105°	316.6	221.8	172.1	143.5	126.1	115.0	109.6	106.8	109.6	115.0	126.1
107.5°	315.7	236.9	193.3	166.8	150.4	139.5	134.2	131.4	134.2	139.5	150.4
110°	319.4	249.5	208.0	182.2	166.6	156.5	151.9	149.1	151.9	156.5	166.6



TEST NUMBER: P332266-927

CATALOG NUMBER: S123RDIP-S340D1195U927-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	326.8	262.0	223.5	198.4	182.8	172.7	168.1	165.3	168.1	172.7	182.8
115°	338.7	282.6	247.6	222.8	207.1	197.9	192.3	188.7	192.3	197.9	207.1
117.5°	354.5	304.4	269.9	246.8	229.3	220.9	216.3	212.1	216.3	220.9	229.3
120°	366.3	318.5	285.3	262.3	244.9	235.6	231.0	228.2	231.0	235.6	244.9
122.5°	377.4	333.2	300.8	276.3	259.5	249.6	245.0	242.2	245.0	249.6	259.5
125°	394.8	354.3	322.1	297.3	279.8	269.7	264.2	262.3	264.2	269.7	279.8
127.5°	409.2	372.7	341.7	316.8	297.5	287.2	280.4	277.6	280.4	287.2	297.5
130°	418.7	383.8	353.4	328.6	309.3	298.2	289.9	287.2	289.9	298.2	309.3
132.5°	427.6	393.4	363.8	339.6	320.3	307.0	298.0	294.5	298.0	307.0	320.3
135°	439.0	407.7	379.2	354.3	335.0	321.2	311.1	307.4	311.1	321.2	335.0
137.5°	447.5	417.6	390.2	367.3	348.1	333.4	323.4	319.6	323.4	333.4	348.1
140°	451.9	424.3	397.6	374.6	356.2	341.4	332.2	327.6	332.2	341.4	356.2
142.5°	456.3	429.4	403.5	382.0	363.5	350.3	340.4	336.5	340.4	350.3	363.5
145°	461.1	436.3	412.3	391.2	375.5	361.7	353.4	350.7	353.4	361.7	375.5
147.5°	464.1	441.8	419.9	401.9	386.7	374.8	366.7	365.0	366.7	374.8	386.7
150°	464.8	445.4	424.3	407.7	394.8	382.9	375.5	374.6	375.5	382.9	394.8
152.5°	466.3	447.7	429.4	413.6	402.2	391.7	384.4	384.2	384.4	391.7	402.2
155°	466.7	451.9	436.3	423.3	413.3	404.1	398.5	398.5	398.5	404.1	413.3
157.5°	467.5	454.3	441.8	431.8	423.2	415.1	410.7	410.0	410.7	415.1	423.2
160°	467.5	456.5	445.4	436.3	429.8	422.5	418.7	418.7	418.7	422.5	429.8
162.5°	466.8	457.2	447.7	440.0	434.3	428.3	425.4	425.4	425.4	428.3	434.3
165°	464.8	458.4	451.0	444.6	440.8	436.3	434.4	435.4	434.4	436.3	440.8
167.5°	463.3	458.2	452.8	448.8	446.2	442.7	441.8	442.9	441.8	442.7	446.2
170°	461.1	457.4	452.8	451.0	449.2	446.4	445.4	447.3	445.4	446.4	449.2
172.5°	460.4	457.4	453.6	452.5	451.4	449.3	449.2	450.3	449.2	449.3	451.4
175°	458.4	456.5	454.7	453.8	453.8	451.9	452.8	453.8	452.8	451.9	453.8
177.5°	456.9	455.4	454.7	454.7	454.7	453.9	454.7	455.4	454.7	453.9	454.7
180°	454.7	454.7	454.7	454.7	454.7	454.7	454.7	454.7	454.7	454.7	454.7



TEST NUMBER: P332266-927

CATALOG NUMBER: S123RDIP-S340D1195U927-4F0-1E-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°	6.2	7.0	7.7	8.4	9.0	9.5	9.4	9.6	10.0	10.1	10.5
90°	10.1	12.0	14.7	17.5	20.3	23.0	22.1	23.0	23.9	24.9	26.7
92.5°	39.6	53.2	77.3	116.9	155.7	141.6	106.8	77.5	61.5	54.3	49.5
95°	83.7	119.6	197.9	335.0	486.0	545.8	442.7	331.4	224.6	175.8	142.7
97.5°	99.4	138.2	213.0	367.6	619.2	845.8	904.9	825.9	661.6	542.9	432.8
100°	110.4	146.3	210.8	347.0	589.1	871.6	1053.0	1085.1	1010.6	902.9	772.2
102.5°	122.9	155.9	213.7	329.3	544.9	823.8	1060.3	1171.3	1168.9	1106.1	1023.3
105°	143.5	172.1	221.8	316.6	490.6	740.0	1004.2	1196.5	1288.6	1306.1	1282.1
107.5°	166.8	193.3	236.9	315.7	456.0	666.0	905.9	1123.9	1273.4	1354.1	1386.9
110°	182.2	208.0	249.5	319.4	442.7	624.0	844.0	1054.8	1224.2	1340.1	1404.5



TEST NUMBER: P332266-927

CATALOG NUMBER: S123RDIP-S340D1195U927-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	198.4	223.5	262.0	326.8	435.4	596.0	790.3	986.3	1159.4	1289.3	1372.1
115°	222.8	247.6	282.6	338.7	432.6	566.0	725.2	895.6	1055.7	1191.0	1291.3
117.5°	246.8	269.9	304.4	354.5	434.3	548.3	686.0	829.8	968.0	1089.6	1191.4
120°	262.3	285.3	318.5	366.3	437.2	540.3	665.4	795.2	919.5	1029.9	1122.9
122.5°	276.3	300.8	333.2	377.4	442.4	535.1	648.5	767.9	880.4	982.8	1069.1
125°	297.3	322.1	354.3	394.8	450.0	528.3	626.8	731.7	832.0	920.4	994.0
127.5°	316.8	341.7	372.7	409.2	458.9	525.0	607.7	700.1	789.5	869.2	936.2
130°	328.6	353.4	383.8	418.7	464.8	522.8	597.3	680.2	763.0	837.6	900.2
132.5°	339.6	363.8	393.4	427.6	469.2	522.0	587.8	661.8	738.0	807.4	867.0
135°	354.3	379.2	407.7	439.0	475.9	520.9	575.3	636.9	702.3	762.1	814.5
137.5°	367.3	390.2	417.6	447.5	480.3	518.9	564.4	614.3	667.8	719.4	764.9
140°	374.6	397.6	424.3	451.9	483.2	518.2	557.8	601.0	647.9	692.1	731.7
142.5°	382.0	403.5	429.4	456.3	485.4	516.7	551.8	588.5	628.8	667.1	701.6
145°	391.2	412.3	436.3	461.1	486.9	514.5	544.0	573.4	603.8	633.3	659.9
147.5°	401.9	419.9	441.8	464.1	486.9	511.0	536.2	561.1	585.2	609.0	627.9
150°	407.7	424.3	445.4	464.8	486.9	508.0	531.1	552.2	573.4	592.7	610.2
152.5°	413.6	429.4	447.7	466.3	484.7	504.4	525.2	544.2	562.4	579.5	594.1
155°	423.3	436.3	451.9	466.7	482.3	498.0	516.3	532.0	546.7	560.5	571.6
157.5°	431.8	441.8	454.3	467.5	479.2	492.3	506.4	519.1	531.5	542.1	550.7
160°	436.3	445.4	456.5	467.5	477.7	487.8	499.8	511.7	521.9	531.1	537.5
162.5°	440.0	447.7	457.2	466.8	474.8	483.4	493.1	502.9	511.6	520.0	525.7
165°	444.6	451.0	458.4	464.8	470.3	476.7	484.1	491.5	497.0	503.4	508.0
167.5°	448.8	452.8	458.2	463.3	465.9	470.2	475.5	481.6	485.8	489.5	492.8
170°	451.0	452.8	457.4	461.1	463.0	465.7	470.3	474.9	477.7	481.3	483.2
172.5°	452.5	453.6	457.4	460.4	460.7	462.0	465.2	469.1	471.0	474.0	475.1
175°	453.8	454.7	456.5	458.4	457.4	457.4	459.3	461.1	462.0	463.9	463.9
177.5°	454.7	454.7	455.4	456.9	455.4	454.7	455.4	456.1	456.9	457.6	457.6
180°	454.7	454.7	454.7	454.7	454.7	454.7	454.7	454.7	454.7	454.7	454.7



TEST NUMBER: P332266-927

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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°	10.6	10.5	10.7	10.6	10.7	10.5	10.6	10.5	10.1	10.0	9.6
90°	25.7	26.7	27.6	26.7	27.6	26.7	25.7	26.7	24.9	23.9	23.0
92.5°	47.8	45.1	46.0	44.4	46.0	45.1	47.8	49.5	54.3	61.5	77.5
95°	125.2	116.9	110.4	106.8	110.4	116.9	125.2	142.7	175.8	224.6	331.4
97.5°	364.9	323.4	298.6	290.7	298.6	323.4	364.9	432.8	542.9	661.6	825.9
100°	679.2	612.0	576.2	577.1	576.2	612.0	679.2	772.2	902.9	1010.6	1085.1
102.5°	950.9	897.8	867.8	846.6	867.8	897.8	950.9	1023.3	1106.1	1168.9	1171.3
105°	1239.8	1204.8	1175.4	1170.8	1175.4	1204.8	1239.8	1282.1	1306.1	1288.6	1196.5
107.5°	1387.6	1375.8	1365.9	1357.4	1365.9	1375.8	1387.6	1386.9	1354.1	1273.4	1123.9
110°	1430.3	1437.7	1435.8	1434.0	1435.8	1437.7	1430.3	1404.5	1340.1	1224.2	1054.8



TEST NUMBER: P332266-927

CATALOG NUMBER: S123RDIP-S340D1195U927-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	1419.3	1442.1	1449.1	1449.5	1449.1	1442.1	1419.3	1372.1	1289.3	1159.4	986.3
115°	1360.3	1400.8	1419.3	1423.9	1419.3	1400.8	1360.3	1291.3	1191.0	1055.7	895.6
117.5°	1263.4	1309.7	1336.3	1342.5	1336.3	1309.7	1263.4	1191.4	1089.6	968.0	829.8
120°	1195.6	1247.1	1269.2	1274.8	1269.2	1247.1	1195.6	1122.9	1029.9	919.5	795.2
122.5°	1133.8	1180.1	1204.4	1211.4	1204.4	1180.1	1133.8	1069.1	982.8	880.4	767.9
125°	1053.0	1093.4	1116.4	1122.9	1116.4	1093.4	1053.0	994.0	920.4	832.0	731.7
127.5°	988.7	1023.3	1044.1	1050.0	1044.1	1023.3	988.7	936.2	869.2	789.5	700.1
130°	949.0	982.1	1001.4	1008.8	1001.4	982.1	949.0	900.2	837.6	763.0	680.2
132.5°	912.8	945.9	963.1	968.3	963.1	945.9	912.8	867.0	807.4	738.0	661.8
135°	859.7	887.2	903.8	910.3	903.8	887.2	859.7	814.5	762.1	702.3	636.9
137.5°	802.8	830.8	844.7	849.0	844.7	830.8	802.8	764.9	719.4	667.8	614.3
140°	766.7	792.5	807.2	806.3	807.2	792.5	766.7	731.7	692.1	647.9	601.0
142.5°	731.3	754.2	767.4	766.5	767.4	754.2	731.3	701.6	667.1	628.8	588.5
145°	682.9	702.3	709.6	711.5	709.6	702.3	682.9	659.9	633.3	603.8	573.4
147.5°	645.4	658.5	665.4	666.1	665.4	658.5	645.4	627.9	609.0	585.2	561.1
150°	624.0	634.1	639.7	639.7	639.7	634.1	624.0	610.2	592.7	573.4	552.2
152.5°	604.9	614.3	617.6	617.6	617.6	614.3	604.9	594.1	579.5	562.4	544.2
155°	579.9	587.2	589.1	589.9	589.1	587.2	579.9	571.6	560.5	546.7	532.0
157.5°	557.9	563.5	564.9	564.7	564.9	563.5	557.9	550.7	542.1	531.5	519.1
160°	544.0	549.5	549.5	548.6	549.5	549.5	544.0	537.5	531.1	521.9	511.7
162.5°	530.0	534.7	534.7	533.9	534.7	534.7	530.0	525.7	520.0	511.6	502.9
165°	511.7	515.4	514.5	514.5	514.5	515.4	511.7	508.0	503.4	497.0	491.5
167.5°	494.4	497.0	496.1	496.1	496.1	497.0	494.4	492.8	489.5	485.8	481.6
170°	484.1	486.0	485.1	485.1	485.1	486.0	484.1	483.2	481.3	477.7	474.9
172.5°	475.3	477.1	475.5	474.8	475.5	477.1	475.3	475.1	474.0	471.0	469.1
175°	463.9	464.8	463.9	463.0	463.9	464.8	463.9	463.9	463.9	462.0	461.1
177.5°	456.9	457.6	456.1	456.1	456.1	457.6	456.9	457.6	457.6	456.9	456.1
180°	454.7	454.7	454.7	454.7	454.7	454.7	454.7	454.7	454.7	454.7	454.7



TEST NUMBER: P332266-927

CATALOG NUMBER: S123RDIP-S340D1195U927-4F0-1E-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°	9.4	9.5	9.0	8.4	7.7	7.0	6.2	5.9	5.4	5.6	5.1
90°	22.1	23.0	20.3	17.5	14.7	12.0	10.1	8.3	5.5	3.6	1.8
92.5°	106.8	141.6	155.7	116.9	77.3	53.2	39.6	31.8	24.6	17.0	11.4
95°	442.7	545.8	486.0	335.0	197.9	119.6	83.7	59.8	44.2	34.1	31.3
97.5°	904.9	845.8	619.2	367.6	213.0	138.2	99.4	75.8	62.2	54.3	53.4
100°	1053.0	871.6	589.1	347.0	210.8	146.3	110.4	88.3	75.5	69.0	68.1
102.5°	1060.3	823.8	544.9	329.3	213.7	155.9	122.9	103.1	90.9	85.2	83.6
105°	1004.2	740.0	490.6	316.6	221.8	172.1	143.5	126.1	115.0	109.6	106.8
107.5°	905.9	666.0	456.0	315.7	236.9	193.3	166.8	150.4	139.5	134.2	131.4
110°	844.0	624.0	442.7	319.4	249.5	208.0	182.2	166.6	156.5	151.9	149.1



TEST NUMBER: P332266-927

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CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	790.3	596.0	435.4	326.8	262.0	223.5	198.4	182.8	172.7	168.1	165.3
115°	725.2	566.0	432.6	338.7	282.6	247.6	222.8	207.1	197.9	192.3	188.7
117.5°	686.0	548.3	434.3	354.5	304.4	269.9	246.8	229.3	220.9	216.3	212.1
120°	665.4	540.3	437.2	366.3	318.5	285.3	262.3	244.9	235.6	231.0	228.2
122.5°	648.5	535.1	442.4	377.4	333.2	300.8	276.3	259.5	249.6	245.0	242.2
125°	626.8	528.3	450.0	394.8	354.3	322.1	297.3	279.8	269.7	264.2	262.3
127.5°	607.7	525.0	458.9	409.2	372.7	341.7	316.8	297.5	287.2	280.4	277.6
130°	597.3	522.8	464.8	418.7	383.8	353.4	328.6	309.3	298.2	289.9	287.2
132.5°	587.8	522.0	469.2	427.6	393.4	363.8	339.6	320.3	307.0	298.0	294.5
135°	575.3	520.9	475.9	439.0	407.7	379.2	354.3	335.0	321.2	311.1	307.4
137.5°	564.4	518.9	480.3	447.5	417.6	390.2	367.3	348.1	333.4	323.4	319.6
140°	557.8	518.2	483.2	451.9	424.3	397.6	374.6	356.2	341.4	332.2	327.6
142.5°	551.8	516.7	485.4	456.3	429.4	403.5	382.0	363.5	350.3	340.4	336.5
145°	544.0	514.5	486.9	461.1	436.3	412.3	391.2	375.5	361.7	353.4	350.7
147.5°	536.2	511.0	486.9	464.1	441.8	419.9	401.9	386.7	374.8	366.7	365.0
150°	531.1	508.0	486.9	464.8	445.4	424.3	407.7	394.8	382.9	375.5	374.6
152.5°	525.2	504.4	484.7	466.3	447.7	429.4	413.6	402.2	391.7	384.4	384.2
155°	516.3	498.0	482.3	466.7	451.9	436.3	423.3	413.3	404.1	398.5	398.5
157.5°	506.4	492.3	479.2	467.5	454.3	441.8	431.8	423.2	415.1	410.7	410.0
160°	499.8	487.8	477.7	467.5	456.5	445.4	436.3	429.8	422.5	418.7	418.7
162.5°	493.1	483.4	474.8	466.8	457.2	447.7	440.0	434.3	428.3	425.4	425.4
165°	484.1	476.7	470.3	464.8	458.4	451.0	444.6	440.8	436.3	434.4	435.4
167.5°	475.5	470.2	465.9	463.3	458.2	452.8	448.8	446.2	442.7	441.8	442.9
170°	470.3	465.7	463.0	461.1	457.4	452.8	451.0	449.2	446.4	445.4	447.3
172.5°	465.2	462.0	460.7	460.4	457.4	453.6	452.5	451.4	449.3	449.2	450.3
175°	459.3	457.4	457.4	458.4	456.5	454.7	453.8	453.8	451.9	452.8	453.8
177.5°	455.4	454.7	455.4	456.9	455.4	454.7	454.7	454.7	453.9	454.7	455.4
180°	454.7	454.7	454.7	454.7	454.7	454.7	454.7	454.7	454.7	454.7	454.7



TEST NUMBER: P332266-927

CATALOG NUMBER: S123RDIP-S340D1195U927-4F0-1E-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°	4.8	4.2	4.6	4.5	4.9	5.1	5.9	6.1	6.5	6.5	6.3
90°	3.6	5.5	8.3	10.1	12.0	14.7	17.5	20.3	23.0	22.1	23.0
92.5°	17.0	24.6	31.8	39.6	53.2	77.3	116.9	155.7	141.6	106.8	77.5
95°	34.1	44.2	59.8	83.7	119.6	197.9	335.0	486.0	545.8	442.7	331.4
97.5°	54.3	62.2	75.8	99.4	138.2	213.0	367.6	619.2	845.8	904.9	825.9
100°	69.0	75.5	88.3	110.4	146.3	210.8	347.0	589.1	871.6	1053.0	1085.1
102.5°	85.2	90.9	103.1	122.9	155.9	213.7	329.3	544.9	823.8	1060.3	1171.3
105°	109.6	115.0	126.1	143.5	172.1	221.8	316.6	490.6	740.0	1004.2	1196.5
107.5°	134.2	139.5	150.4	166.8	193.3	236.9	315.7	456.0	666.0	905.9	1123.9
110°	151.9	156.5	166.6	182.2	208.0	249.5	319.4	442.7	624.0	844.0	1054.8



TEST NUMBER: P332266-927

CATALOG NUMBER: S123RDIP-S340D1195U927-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	168.1	172.7	182.8	198.4	223.5	262.0	326.8	435.4	596.0	790.3	986.3
115°	192.3	197.9	207.1	222.8	247.6	282.6	338.7	432.6	566.0	725.2	895.6
117.5°	216.3	220.9	229.3	246.8	269.9	304.4	354.5	434.3	548.3	686.0	829.8
120°	231.0	235.6	244.9	262.3	285.3	318.5	366.3	437.2	540.3	665.4	795.2
122.5°	245.0	249.6	259.5	276.3	300.8	333.2	377.4	442.4	535.1	648.5	767.9
125°	264.2	269.7	279.8	297.3	322.1	354.3	394.8	450.0	528.3	626.8	731.7
127.5°	280.4	287.2	297.5	316.8	341.7	372.7	409.2	458.9	525.0	607.7	700.1
130°	289.9	298.2	309.3	328.6	353.4	383.8	418.7	464.8	522.8	597.3	680.2
132.5°	298.0	307.0	320.3	339.6	363.8	393.4	427.6	469.2	522.0	587.8	661.8
135°	311.1	321.2	335.0	354.3	379.2	407.7	439.0	475.9	520.9	575.3	636.9
137.5°	323.4	333.4	348.1	367.3	390.2	417.6	447.5	480.3	518.9	564.4	614.3
140°	332.2	341.4	356.2	374.6	397.6	424.3	451.9	483.2	518.2	557.8	601.0
142.5°	340.4	350.3	363.5	382.0	403.5	429.4	456.3	485.4	516.7	551.8	588.5
145°	353.4	361.7	375.5	391.2	412.3	436.3	461.1	486.9	514.5	544.0	573.4
147.5°	366.7	374.8	386.7	401.9	419.9	441.8	464.1	486.9	511.0	536.2	561.1
150°	375.5	382.9	394.8	407.7	424.3	445.4	464.8	486.9	508.0	531.1	552.2
152.5°	384.4	391.7	402.2	413.6	429.4	447.7	466.3	484.7	504.4	525.2	544.2
155°	398.5	404.1	413.3	423.3	436.3	451.9	466.7	482.3	498.0	516.3	532.0
157.5°	410.7	415.1	423.2	431.8	441.8	454.3	467.5	479.2	492.3	506.4	519.1
160°	418.7	422.5	429.8	436.3	445.4	456.5	467.5	477.7	487.8	499.8	511.7
162.5°	425.4	428.3	434.3	440.0	447.7	457.2	466.8	474.8	483.4	493.1	502.9
165°	434.4	436.3	440.8	444.6	451.0	458.4	464.8	470.3	476.7	484.1	491.5
167.5°	441.8	442.7	446.2	448.8	452.8	458.2	463.3	465.9	470.2	475.5	481.6
170°	445.4	446.4	449.2	451.0	452.8	457.4	461.1	463.0	465.7	470.3	474.9
172.5°	449.2	449.3	451.4	452.5	453.6	457.4	460.4	460.7	462.0	465.2	469.1
175°	452.8	451.9	453.8	453.8	454.7	456.5	458.4	457.4	457.4	459.3	461.1
177.5°	454.7	453.9	454.7	454.7	454.7	455.4	456.9	455.4	454.7	455.4	456.1
180°	454.7	454.7	454.7	454.7	454.7	454.7	454.7	454.7	454.7	454.7	454.7



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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	431.1	431.1	431.1	431.1	431.1	431.1	431.1
2.5°	454.8	454.8	455.3	457.6	457.9	459.8	459.2
5°	499.8	503.3	504.6	510.2	513.4	514.9	512.0
7.5°	554.8	564.7	569.4	575.3	580.4	581.9	577.9
10°	595.0	605.4	614.0	619.4	624.4	627.7	631.9
12.5°	633.8	646.6	654.8	662.3	667.5	671.7	672.4
15°	676.0	695.2	709.8	720.6	725.9	728.6	727.5
17.5°	718.6	736.4	746.8	757.7	765.1	765.5	765.7
20°	742.7	760.0	772.1	780.1	788.5	788.1	790.0
22.5°	758.8	772.5	781.6	787.5	790.4	788.9	789.3
25°	766.3	770.4	768.7	759.3	756.9	748.2	749.7
27.5°	727.5	708.3	688.4	662.9	642.7	626.6	627.4
30°	674.8	640.8	602.1	569.6	540.4	532.3	514.9
32.5°	601.1	550.2	504.8	474.4	449.5	442.7	427.5
35°	476.2	426.7	380.0	352.0	340.9	325.3	325.2
37.5°	370.1	326.5	301.9	280.8	269.8	260.4	259.5
40°	311.3	277.4	258.7	243.6	232.7	225.7	224.0
42.5°	270.3	242.9	225.4	216.0	207.6	204.0	201.3
45°	220.7	202.2	190.1	181.6	177.8	175.0	173.5
47.5°	184.7	172.3	164.0	158.3	155.2	152.3	153.0
50°	165.0	154.9	148.8	143.4	141.0	138.9	139.2
52.5°	149.2	140.1	135.1	131.3	128.3	126.8	126.2
55°	126.6	120.9	115.9	113.1	111.5	109.5	108.9
57.5°	108.0	103.5	99.5	96.4	95.9	94.0	94.3
60°	95.6	91.9	88.6	86.9	85.6	84.0	84.5
62.5°	85.4	82.3	79.3	78.0	76.6	75.4	75.7
65°	69.9	67.0	65.1	64.4	63.8	63.3	62.7
67.5°	55.8	53.9	52.8	51.2	50.1	49.9	49.4
70°	46.9	44.4	42.5	40.4	39.8	39.7	39.8
72.5°	37.5	36.0	35.5	34.5	34.4	33.9	34.2
75°	28.2	27.6	27.3	26.5	26.5	26.5	26.5
77.5°	20.8	20.5	20.3	20.1	20.0	19.6	19.6
80°	16.2	16.1	15.7	15.7	15.5	15.7	15.5
82.5°	12.3	12.2	11.9	11.9	11.6	11.6	11.6
85°	6.3	6.1	6.5	6.1	6.3	5.9	6.3
87.5°	6.6	6.7	7.0	6.8	6.8	7.3	6.8
90°	23.9	24.9	26.7	25.7	26.7	27.6	26.7
92.5°	61.5	54.3	49.5	47.8	45.1	46.0	44.4
95°	224.6	175.8	142.7	125.2	116.9	110.4	106.8
97.5°	661.6	542.9	432.8	364.9	323.4	298.6	290.7
100°	1010.6	902.9	772.2	679.2	612.0	576.2	577.1
102.5°	1168.9	1106.1	1023.3	950.9	897.8	867.8	846.6
105°	1288.6	1306.1	1282.1	1239.8	1204.8	1175.4	1170.8
107.5°	1273.4	1354.1	1386.9	1387.6	1375.8	1365.9	1357.4
110°	1224.2	1340.1	1404.5	1430.3	1437.7	1435.8	1434.0



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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
112.5°	1159.4	1289.3	1372.1	1419.3	1442.1	1449.1	1449.5
115°	1055.7	1191.0	1291.3	1360.3	1400.8	1419.3	1423.9
117.5°	968.0	1089.6	1191.4	1263.4	1309.7	1336.3	1342.5
120°	919.5	1029.9	1122.9	1195.6	1247.1	1269.2	1274.8
122.5°	880.4	982.8	1069.1	1133.8	1180.1	1204.4	1211.4
125°	832.0	920.4	994.0	1053.0	1093.4	1116.4	1122.9
127.5°	789.5	869.2	936.2	988.7	1023.3	1044.1	1050.0
130°	763.0	837.6	900.2	949.0	982.1	1001.4	1008.8
132.5°	738.0	807.4	867.0	912.8	945.9	963.1	968.3
135°	702.3	762.1	814.5	859.7	887.2	903.8	910.3
137.5°	667.8	719.4	764.9	802.8	830.8	844.7	849.0
140°	647.9	692.1	731.7	766.7	792.5	807.2	806.3
142.5°	628.8	667.1	701.6	731.3	754.2	767.4	766.5
145°	603.8	633.3	659.9	682.9	702.3	709.6	711.5
147.5°	585.2	609.0	627.9	645.4	658.5	665.4	666.1
150°	573.4	592.7	610.2	624.0	634.1	639.7	639.7
152.5°	562.4	579.5	594.1	604.9	614.3	617.6	617.6
155°	546.7	560.5	571.6	579.9	587.2	589.1	589.9
157.5°	531.5	542.1	550.7	557.9	563.5	564.9	564.7
160°	521.9	531.1	537.5	544.0	549.5	549.5	548.6
162.5°	511.6	520.0	525.7	530.0	534.7	534.7	533.9
165°	497.0	503.4	508.0	511.7	515.4	514.5	514.5
167.5°	485.8	489.5	492.8	494.4	497.0	496.1	496.1
170°	477.7	481.3	483.2	484.1	486.0	485.1	485.1
172.5°	471.0	474.0	475.1	475.3	477.1	475.5	474.8
175°	462.0	463.9	463.9	463.9	464.8	463.9	463.0
177.5°	456.9	457.6	457.6	456.9	457.6	456.1	456.1
180°	454.7	454.7	454.7	454.7	454.7	454.7	454.7

(END OF REPORT)