

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: P332252-927

Luminaire Tested: **S123RDIP-S340D805U927-4F0-1E-UDD-A**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P332252-927
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1807-864-5,
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: NEO-RAY
Catalog Number: S123RDIP-S340D805U927-4F0-1E-UDD-A
Description: DEFINE 3 DIRECT-INDIRECT PENDANT LED LUMINAIRE
DOWNLIGHT 340 LUMENS PER FOOT, ASYMMETRIC DIFFUSER, REGRESSED HOUSING
UPLIGHT 805 LUMENS PER FOOT, NO LENS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3617.9 lumens
Efficiency: N/A
Efficacy: 116.0 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

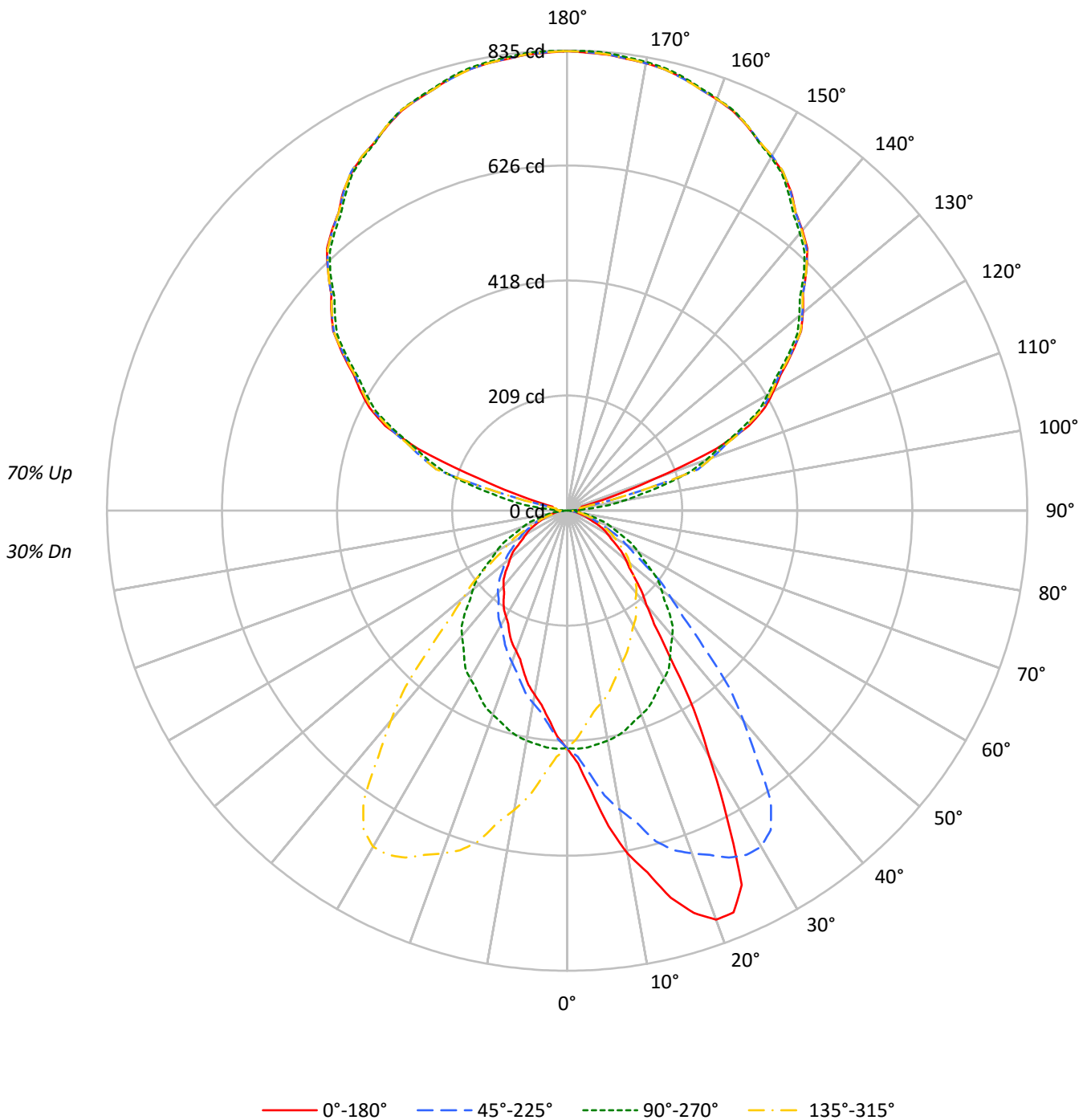
Input Watts (W): 31.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	102	102	102	102	92	92	92	92	72	72	72	54	54	54	38	38	38	30
1	94	90	86	83	84	80	77	75	64	62	60	48	47	46	34	33	32	26
2	85	79	73	68	76	71	66	62	56	53	50	43	40	39	30	29	28	22
3	78	69	62	57	70	62	57	52	50	46	42	38	35	33	27	25	24	19
4	72	61	54	48	64	55	49	44	44	40	36	34	31	28	24	22	21	17
5	66	55	47	41	59	50	43	38	40	35	31	30	27	25	22	20	18	15
6	60	49	41	36	54	44	38	33	36	31	27	28	24	22	20	18	16	13
7	56	44	37	31	50	40	34	29	32	28	24	25	22	19	18	16	15	12
8	52	40	33	28	46	36	30	26	30	25	21	23	20	17	17	15	13	11
9	48	37	29	25	43	33	27	23	27	22	19	21	18	15	16	13	12	10
10	45	33	27	22	40	30	24	20	25	20	17	19	16	14	14	12	11	9

AVERAGE LUMINANCE (cd/sqm):

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



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	42.4	1.2
10°-20°	132.5	3.7
20°-30°	208.1	5.8
30°-40°	217.1	6.0
40°-50°	185.8	5.1
50°-60°	141.6	3.9
60°-70°	90.8	2.5
70°-80°	43.7	1.2
80°-90°	13.9	0.4
90°-100°	30.3	0.8
100°-110°	144.4	4.0
110°-120°	347.0	9.6
120°-130°	441.8	12.2
130°-140°	472.1	13.0
140°-150°	441.4	12.2
150°-160°	356.1	9.8
160°-170°	229.8	6.4
170°-180°	79.2	2.2
0°-30°	382.9	10.6
0°-40°	600.1	16.6
0°-60°	927.5	25.6
0°-90°	1075.8	29.7
90°-120°	521.7	14.4
90°-150°	1877.0	51.9
90°-180°	2542.0	70.3
0°-180°	3617.9	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°	19	1	19	1	19	9
95°	24	38	24	38	24	20
105°	27	185	27	185	27	62
115°	364	346	364	346	364	337
125°	498	488	498	488	498	445
135°	614	608	614	608	614	473
145°	708	701	708	701	708	442
155°	771	772	771	772	771	356
165°	812	814	812	814	812	229
175°	830	834	830	834	830	79
180°	834	834	834	834	834	



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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°	5.2	5.5	5.1	5.1	5.1	5.1	5.1	5.0	5.1	4.9	4.7
90°	18.6	18.3	18.1	17.7	17.5	17.0	16.5	16.0	15.4	14.9	13.1
92.5°	20.6	20.4	20.2	20.0	19.9	19.4	18.5	17.6	16.7	15.8	14.5
95°	23.5	23.5	23.5	23.5	23.5	23.1	22.1	21.2	20.2	19.2	17.7
97.5°	25.5	25.3	25.3	25.1	25.0	24.3	23.2	22.2	21.1	20.0	29.9
100°	26.0	25.9	25.7	25.6	25.4	24.9	23.8	22.7	21.5	20.4	41.9
102.5°	26.5	26.2	26.0	25.7	25.5	27.1	30.5	33.9	37.3	40.7	64.2
105°	27.3	27.0	26.7	26.5	26.1	38.2	62.6	86.9	111.3	135.6	148.0
107.5°	85.6	103.9	122.3	140.7	159.0	177.1	195.0	212.9	230.8	248.6	246.6
110°	170.3	190.0	209.7	229.3	249.1	261.2	265.7	270.2	274.8	279.3	277.8



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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	292.2	296.4	300.5	304.7	308.8	310.9	310.8	310.7	310.6	310.5	309.0
115°	364.2	363.6	363.1	362.5	361.9	361.0	359.7	358.2	356.9	355.5	354.3
117.5°	404.6	404.4	404.3	404.3	404.1	403.5	402.4	401.3	400.2	399.1	398.5
120°	432.3	432.3	432.3	432.3	432.3	431.7	430.6	429.5	428.4	427.3	426.9
122.5°	459.5	459.5	459.3	459.2	459.1	458.7	457.9	457.1	456.4	455.6	455.0
125°	498.0	497.6	497.4	497.1	496.9	496.5	496.3	496.0	495.7	495.4	494.9
127.5°	534.9	535.1	535.4	535.7	535.9	535.8	535.4	535.0	534.6	534.1	533.5
130°	558.6	558.9	559.2	559.4	559.8	559.6	559.0	558.5	557.9	557.4	556.8
132.5°	580.4	580.8	581.2	581.6	581.9	581.9	581.3	580.7	580.3	579.7	579.2
135°	613.8	614.2	614.6	615.0	615.4	615.4	615.0	614.6	614.2	613.8	613.2
137.5°	645.1	645.4	645.6	645.9	646.2	646.0	645.3	644.7	644.0	643.3	643.0
140°	663.9	664.2	664.5	664.7	665.0	664.9	664.3	663.8	663.2	662.7	662.3
142.5°	681.3	681.7	682.0	682.4	682.8	682.8	682.3	681.9	681.4	681.0	680.6
145°	707.9	707.9	707.9	707.9	707.9	707.7	707.5	707.2	706.9	706.6	706.4
147.5°	727.7	728.3	729.0	729.6	730.2	730.4	730.2	729.8	729.6	729.3	729.0
150°	742.6	743.0	743.4	743.8	744.3	744.3	744.0	743.7	743.5	743.2	742.9
152.5°	754.5	755.1	755.7	756.4	757.0	757.1	756.5	756.1	755.6	755.1	754.9
155°	771.0	771.9	772.7	773.6	774.4	774.4	773.7	773.1	772.4	771.7	771.5
157.5°	785.1	786.2	787.2	788.3	789.3	789.5	788.6	787.8	787.0	786.2	786.3
160°	794.0	795.0	795.9	796.9	797.8	797.9	797.1	796.2	795.4	794.6	794.7
162.5°	802.4	803.3	804.1	804.9	805.8	805.7	804.9	803.9	803.0	802.0	802.2
165°	812.5	813.5	814.4	815.5	816.4	816.3	815.2	814.1	813.0	811.9	812.1
167.5°	819.8	820.9	822.0	823.2	824.3	824.3	823.2	822.0	820.9	819.8	819.8
170°	824.3	825.5	826.5	827.6	828.7	828.7	827.6	826.5	825.5	824.3	824.3
172.5°	826.8	828.0	829.3	830.4	831.6	831.7	830.6	829.5	828.4	827.3	827.2
175°	830.5	831.6	832.7	833.9	834.9	835.0	834.0	833.1	832.1	831.2	831.0
177.5°	831.6	832.7	833.9	835.0	836.1	836.1	835.3	834.4	833.5	832.6	832.5
180°	833.6	833.6	833.6	833.6	833.6	833.6	833.6	833.6	833.6	833.6	833.6



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CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	431.1	431.1	431.1	431.1	431.1	431.1	431.1	431.1	431.1	431.1	431.1
2.5°	445.1	444.7	442.7	440.3	437.2	435.1	433.5	432.6	429.9	426.7	424.5
5°	472.7	467.1	461.2	454.0	447.3	440.5	436.3	431.3	425.2	418.4	413.6
7.5°	502.1	491.2	479.6	467.5	455.6	444.9	435.4	427.3	417.6	407.8	401.0
10°	524.7	508.8	492.4	475.6	460.3	445.9	434.8	424.0	412.3	401.1	392.5
12.5°	545.3	524.3	505.4	484.7	465.2	448.0	432.1	419.2	405.2	393.2	383.6
15°	571.2	549.8	527.0	495.5	469.5	447.7	428.3	411.5	394.6	379.9	370.4
17.5°	595.5	563.3	532.5	506.4	472.5	445.4	421.7	401.6	382.9	367.3	355.7
20°	605.5	574.3	541.0	507.6	474.4	443.9	416.4	394.2	374.9	357.1	346.4
22.5°	611.6	576.3	541.1	505.2	469.9	438.2	411.1	386.7	365.7	348.9	335.6
25°	618.6	576.6	537.8	502.4	466.4	432.1	399.7	373.9	351.3	333.4	319.3
27.5°	623.3	573.8	528.0	488.6	452.1	418.0	388.3	360.9	337.9	318.9	303.9
30°	624.2	571.6	520.5	477.8	440.8	409.3	378.0	351.8	327.4	307.3	293.3
32.5°	625.3	566.1	510.2	465.0	427.0	395.9	367.5	342.5	317.5	297.7	283.4
35°	620.5	563.1	494.8	442.8	404.7	374.6	349.0	325.9	301.4	282.2	267.6
37.5°	599.5	551.1	478.8	417.7	378.0	350.1	329.2	309.1	286.6	265.9	252.2
40°	578.5	539.3	466.4	402.5	361.0	332.4	313.5	297.1	275.4	256.0	241.2
42.5°	547.0	523.2	454.6	386.6	341.8	314.3	298.3	283.0	263.9	244.2	230.3
45°	489.3	492.4	430.4	361.2	315.2	287.6	272.6	261.9	244.9	228.7	214.4
47.5°	416.9	446.2	402.0	334.1	287.2	261.3	248.2	238.8	227.4	211.4	198.4
50°	369.7	411.5	379.3	316.0	269.7	243.8	230.9	223.3	213.3	200.8	188.5
52.5°	326.1	371.1	351.8	295.7	250.6	227.0	214.4	208.1	200.2	188.4	177.2
55°	265.9	311.6	307.1	265.2	222.0	200.8	191.2	184.2	178.9	170.0	161.1
57.5°	215.2	258.3	260.6	231.2	196.9	175.9	167.6	162.3	158.8	152.2	143.9
60°	183.1	222.8	230.5	208.3	178.9	160.4	152.3	148.0	145.3	139.9	133.6
62.5°	156.5	190.3	199.1	183.2	161.6	144.3	137.9	133.9	132.0	127.4	121.8
65°	119.8	147.8	156.3	147.5	136.2	122.4	117.2	113.7	112.0	109.5	105.4
67.5°	90.1	110.5	119.9	113.6	109.5	100.8	97.5	95.6	94.1	92.4	89.0
70°	72.3	87.5	97.0	95.5	92.1	87.5	85.1	83.8	82.3	80.8	77.9
72.5°	58.1	68.6	77.6	78.4	75.7	74.8	72.6	72.1	71.2	69.5	67.8
75°	38.6	45.8	52.0	54.4	55.5	56.5	55.5	55.4	55.2	53.7	52.8
77.5°	25.3	29.2	33.1	37.2	39.0	40.2	40.5	41.2	40.6	39.9	39.5
80°	19.4	20.3	23.1	26.5	29.3	30.4	31.2	31.5	31.4	31.2	30.4
82.5°	14.1	14.8	16.2	18.6	20.9	22.7	23.2	23.1	23.5	23.7	23.1
85°	7.6	7.8	8.2	8.5	9.7	11.8	12.4	12.8	13.1	13.1	12.0
87.5°	4.6	4.1	4.0	3.7	3.9	3.8	4.4	4.8	5.3	5.0	5.2
90°	11.2	9.5	7.7	6.1	4.8	3.4	2.0	0.6	2.0	3.4	4.8
92.5°	13.2	11.8	10.5	10.0	10.4	10.8	11.2	11.5	11.2	10.8	10.4
95°	16.2	14.7	13.2	15.2	20.8	26.5	32.2	37.8	32.2	26.5	20.8
97.5°	39.8	49.7	59.6	65.8	68.4	70.9	73.4	75.9	73.4	70.9	68.4
100°	63.4	84.8	106.3	115.7	112.9	110.2	107.4	104.6	107.4	110.2	112.9
102.5°	87.6	111.1	134.6	145.3	143.3	141.3	139.3	137.4	139.3	141.3	143.3
105°	160.4	172.8	185.2	190.6	189.1	187.6	186.1	184.6	186.1	187.6	189.1
107.5°	244.7	242.7	240.7	239.2	238.0	236.8	235.6	234.3	235.6	236.8	238.0
110°	276.3	274.8	273.2	272.0	270.8	269.7	268.6	267.5	268.6	269.7	270.8



TEST NUMBER: P332252-927

CATALOG NUMBER: S123RDIP-S340D805U927-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	307.5	306.0	304.4	303.2	302.2	301.3	300.2	299.3	300.2	301.3	302.2
115°	353.0	351.8	350.5	349.5	348.7	347.8	347.1	346.2	347.1	347.8	348.7
117.5°	397.8	397.2	396.6	395.7	394.7	393.7	392.7	391.7	392.7	393.7	394.7
120°	426.5	426.1	425.7	424.8	423.6	422.4	421.1	419.9	421.1	422.4	423.6
122.5°	454.6	454.0	453.4	452.7	451.7	450.7	449.6	448.6	449.6	450.7	451.7
125°	494.3	493.8	493.3	492.4	491.3	490.2	489.1	488.1	489.1	490.2	491.3
127.5°	532.8	532.1	531.5	530.6	529.5	528.4	527.3	526.2	527.3	528.4	529.5
130°	556.3	555.7	555.2	554.4	553.3	552.2	551.0	549.9	551.0	552.2	553.3
132.5°	578.8	578.4	577.9	577.2	576.1	575.0	573.9	572.7	573.9	575.0	576.1
135°	612.7	612.1	611.6	610.9	610.1	609.2	608.4	607.5	608.4	609.2	610.1
137.5°	642.8	642.5	642.1	641.4	640.4	639.4	638.3	637.3	638.3	639.4	640.4
140°	661.9	661.5	661.0	660.4	659.6	658.8	657.9	657.1	657.9	658.8	659.6
142.5°	680.2	679.8	679.4	678.7	677.9	677.1	676.3	675.4	676.3	677.1	677.9
145°	706.1	705.8	705.5	705.0	703.9	703.0	702.0	701.1	702.0	703.0	703.9
147.5°	728.7	728.5	728.3	727.8	727.1	726.5	725.9	725.2	725.9	726.5	727.1
150°	742.7	742.4	742.1	741.7	741.3	740.9	740.5	740.1	740.5	740.9	741.3
152.5°	754.7	754.6	754.4	754.2	754.1	753.8	753.7	753.4	753.7	753.8	754.1
155°	771.4	771.3	771.1	771.2	771.5	771.7	772.1	772.3	772.1	771.7	771.5
157.5°	786.5	786.6	786.7	786.8	786.8	786.9	786.9	786.9	786.9	786.9	786.8
160°	794.9	795.0	795.1	795.3	795.4	795.6	795.7	795.8	795.7	795.6	795.4
162.5°	802.3	802.4	802.6	802.8	803.2	803.5	803.9	804.2	803.9	803.5	803.2
165°	812.2	812.4	812.5	812.8	813.2	813.6	814.0	814.4	814.0	813.6	813.2
167.5°	819.8	819.8	819.8	820.1	820.7	821.3	821.8	822.4	821.8	821.3	820.7
170°	824.3	824.3	824.3	824.6	825.1	825.7	826.2	826.8	826.2	825.7	825.1
172.5°	827.0	827.0	826.9	827.1	827.8	828.5	829.1	829.7	829.1	828.5	827.8
175°	830.8	830.7	830.6	830.8	831.6	832.3	832.9	833.6	832.9	832.3	831.6
177.5°	832.4	832.3	832.2	832.4	833.0	833.5	834.1	834.6	834.1	833.5	833.0
180°	833.6	833.6	833.6	833.6	833.6	833.6	833.6	833.6	833.6	833.6	833.6



TEST NUMBER: P332252-927

CATALOG NUMBER: S123RDIP-S340D805U927-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	431.1	431.1	431.1	431.1	431.1	431.1	431.1	431.1	431.1	431.1	431.1
2.5°	423.7	421.8	420.5	417.6	415.7	413.6	411.5	412.8	412.6	412.6	412.6
5°	409.6	405.3	401.4	396.4	393.3	389.4	386.5	386.1	386.8	384.3	382.8
7.5°	395.5	389.7	384.1	378.7	372.8	368.1	365.3	363.8	362.0	360.4	358.8
10°	385.6	378.7	373.4	366.5	360.3	354.7	351.3	348.8	347.5	346.3	343.8
12.5°	375.3	368.7	361.9	354.1	348.2	341.7	339.1	336.4	334.0	332.5	329.2
15°	360.4	351.8	344.6	336.4	329.8	323.5	319.9	314.5	313.8	311.9	308.6
17.5°	345.5	336.1	326.1	320.1	312.7	306.1	300.5	298.7	293.4	291.4	288.5
20°	333.7	325.0	317.4	309.5	298.7	292.6	288.1	285.7	281.5	278.8	277.0
22.5°	323.5	314.7	305.9	296.7	287.7	280.8	277.6	273.9	271.6	267.9	265.9
25°	309.0	299.4	288.8	278.8	272.4	267.3	262.1	258.7	255.4	253.7	250.1
27.5°	292.1	282.0	272.2	264.6	256.7	251.6	246.9	244.0	240.0	237.2	235.1
30°	282.7	270.9	262.4	255.6	245.5	240.7	237.2	233.5	230.5	227.6	225.5
32.5°	272.0	261.2	253.2	244.7	236.9	231.6	227.1	223.9	221.3	218.6	216.5
35°	255.1	246.1	237.7	229.3	223.5	218.2	212.8	210.0	207.6	205.0	203.2
37.5°	239.8	231.3	223.4	215.4	208.3	203.9	199.6	197.5	194.2	192.5	190.7
40°	230.4	222.0	213.6	205.8	198.4	195.1	191.2	188.1	185.1	183.8	181.8
42.5°	220.0	211.7	204.5	196.2	190.1	185.6	182.0	178.6	176.4	174.5	173.4
45°	204.7	197.3	190.3	182.0	176.3	172.4	168.3	165.2	163.2	161.8	159.9
47.5°	189.8	182.4	175.3	168.1	162.6	158.1	154.0	151.9	149.2	147.6	146.2
50°	179.0	172.4	164.9	158.2	152.7	148.2	144.9	142.1	139.7	137.7	136.7
52.5°	169.1	162.1	155.5	149.3	143.5	138.5	135.5	132.5	130.7	128.4	127.3
55°	152.8	146.0	140.5	134.4	128.7	124.4	120.7	118.1	116.3	113.7	112.3
57.5°	137.5	131.3	124.8	119.5	113.6	110.0	106.9	103.5	101.2	99.2	97.7
60°	127.1	120.2	114.4	109.5	104.3	99.7	96.9	94.1	91.7	89.7	88.4
62.5°	116.4	110.3	104.8	99.4	94.7	90.6	87.5	85.2	83.0	81.8	80.4
65°	99.8	95.1	89.5	85.1	80.6	77.7	75.1	73.1	71.6	70.7	69.6
67.5°	84.6	80.0	75.2	70.8	67.8	65.6	63.9	62.2	61.4	60.2	59.5
70°	74.8	69.9	65.7	62.3	59.4	57.8	56.6	55.4	54.7	53.2	52.4
72.5°	64.0	60.5	57.4	54.7	52.4	50.9	49.4	47.8	46.7	45.0	44.3
75°	50.4	47.2	44.8	43.0	41.5	39.5	37.5	35.8	35.3	34.7	34.5
77.5°	37.3	35.3	33.6	32.0	30.2	28.8	28.3	27.9	27.8	27.5	27.5
80°	29.3	27.5	26.2	24.4	23.3	23.3	23.3	22.9	23.1	23.1	23.1
82.5°	21.8	20.1	19.4	18.8	18.5	18.7	18.7	18.8	18.6	18.9	18.8
85°	11.2	11.4	11.8	11.6	11.8	11.8	12.2	12.0	12.2	11.8	12.2
87.5°	5.4	6.1	6.7	7.1	7.6	7.8	8.1	8.2	8.5	8.6	8.6
90°	6.1	7.7	9.5	11.2	13.1	14.9	15.4	16.0	16.5	17.0	17.5
92.5°	10.0	10.5	11.8	13.2	14.5	15.8	16.7	17.6	18.5	19.4	19.9
95°	15.2	13.2	14.7	16.2	17.7	19.2	20.2	21.2	22.1	23.1	23.5
97.5°	65.8	59.6	49.7	39.8	29.9	20.0	21.1	22.2	23.2	24.3	25.0
100°	115.7	106.3	84.8	63.4	41.9	20.4	21.5	22.7	23.8	24.9	25.4
102.5°	145.3	134.6	111.1	87.6	64.2	40.7	37.3	33.9	30.5	27.1	25.5
105°	190.6	185.2	172.8	160.4	148.0	135.6	111.3	86.9	62.6	38.2	26.1
107.5°	239.2	240.7	242.7	244.7	246.6	248.6	230.8	212.9	195.0	177.1	159.0
110°	272.0	273.2	274.8	276.3	277.8	279.3	274.8	270.2	265.7	261.2	249.1



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CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	303.2	304.4	306.0	307.5	309.0	310.5	310.6	310.7	310.8	310.9	308.8
115°	349.5	350.5	351.8	353.0	354.3	355.5	356.9	358.2	359.7	361.0	361.9
117.5°	395.7	396.6	397.2	397.8	398.5	399.1	400.2	401.3	402.4	403.5	404.1
120°	424.8	425.7	426.1	426.5	426.9	427.3	428.4	429.5	430.6	431.7	432.3
122.5°	452.7	453.4	454.0	454.6	455.0	455.6	456.4	457.1	457.9	458.7	459.1
125°	492.4	493.3	493.8	494.3	494.9	495.4	495.7	496.0	496.3	496.5	496.9
127.5°	530.6	531.5	532.1	532.8	533.5	534.1	534.6	535.0	535.4	535.8	535.9
130°	554.4	555.2	555.7	556.3	556.8	557.4	557.9	558.5	559.0	559.6	559.8
132.5°	577.2	577.9	578.4	578.8	579.2	579.7	580.3	580.7	581.3	581.9	581.9
135°	610.9	611.6	612.1	612.7	613.2	613.8	614.2	614.6	615.0	615.4	615.4
137.5°	641.4	642.1	642.5	642.8	643.0	643.3	644.0	644.7	645.3	646.0	646.2
140°	660.4	661.0	661.5	661.9	662.3	662.7	663.2	663.8	664.3	664.9	665.0
142.5°	678.7	679.4	679.8	680.2	680.6	681.0	681.4	681.9	682.3	682.8	682.8
145°	705.0	705.5	705.8	706.1	706.4	706.6	706.9	707.2	707.5	707.7	707.9
147.5°	727.8	728.3	728.5	728.7	729.0	729.3	729.6	729.8	730.2	730.4	730.2
150°	741.7	742.1	742.4	742.7	742.9	743.2	743.5	743.7	744.0	744.3	744.3
152.5°	754.2	754.4	754.6	754.7	754.9	755.1	755.6	756.1	756.5	757.1	757.0
155°	771.2	771.1	771.3	771.4	771.5	771.7	772.4	773.1	773.7	774.4	774.4
157.5°	786.8	786.7	786.6	786.5	786.3	786.2	787.0	787.8	788.6	789.5	789.3
160°	795.3	795.1	795.0	794.9	794.7	794.6	795.4	796.2	797.1	797.9	797.8
162.5°	802.8	802.6	802.4	802.3	802.2	802.0	803.0	803.9	804.9	805.7	805.8
165°	812.8	812.5	812.4	812.2	812.1	811.9	813.0	814.1	815.2	816.3	816.4
167.5°	820.1	819.8	819.8	819.8	819.8	819.8	820.9	822.0	823.2	824.3	824.3
170°	824.6	824.3	824.3	824.3	824.3	824.3	825.5	826.5	827.6	828.7	828.7
172.5°	827.1	826.9	827.0	827.0	827.2	827.3	828.4	829.5	830.6	831.7	831.6
175°	830.8	830.6	830.7	830.8	831.0	831.2	832.1	833.1	834.0	835.0	834.9
177.5°	832.4	832.2	832.3	832.4	832.5	832.6	833.5	834.4	835.3	836.1	836.1
180°	833.6	833.6	833.6	833.6	833.6	833.6	833.6	833.6	833.6	833.6	833.6



TEST NUMBER: P332252-927

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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°	9.0	8.8	8.8	9.0	8.8	8.8	9.0	8.6	8.6	8.5	8.2
90°	17.7	18.1	18.3	18.6	18.3	18.1	17.7	17.5	17.0	16.5	16.0
92.5°	20.0	20.2	20.4	20.6	20.4	20.2	20.0	19.9	19.4	18.5	17.6
95°	23.5	23.5	23.5	23.5	23.5	23.5	23.5	23.5	23.1	22.1	21.2
97.5°	25.1	25.3	25.3	25.5	25.3	25.3	25.1	25.0	24.3	23.2	22.2
100°	25.6	25.7	25.9	26.0	25.9	25.7	25.6	25.4	24.9	23.8	22.7
102.5°	25.7	26.0	26.2	26.5	26.2	26.0	25.7	25.5	27.1	30.5	33.9
105°	26.5	26.7	27.0	27.3	27.0	26.7	26.5	26.1	38.2	62.6	86.9
107.5°	140.7	122.3	103.9	85.6	103.9	122.3	140.7	159.0	177.1	195.0	212.9
110°	229.3	209.7	190.0	170.3	190.0	209.7	229.3	249.1	261.2	265.7	270.2



TEST NUMBER: P332252-927

CATALOG NUMBER: S123RDIP-S340D805U927-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	304.7	300.5	296.4	292.2	296.4	300.5	304.7	308.8	310.9	310.8	310.7
115°	362.5	363.1	363.6	364.2	363.6	363.1	362.5	361.9	361.0	359.7	358.2
117.5°	404.3	404.3	404.4	404.6	404.4	404.3	404.3	404.1	403.5	402.4	401.3
120°	432.3	432.3	432.3	432.3	432.3	432.3	432.3	432.3	431.7	430.6	429.5
122.5°	459.2	459.3	459.5	459.5	459.5	459.3	459.2	459.1	458.7	457.9	457.1
125°	497.1	497.4	497.6	498.0	497.6	497.4	497.1	496.9	496.5	496.3	496.0
127.5°	535.7	535.4	535.1	534.9	535.1	535.4	535.7	535.9	535.8	535.4	535.0
130°	559.4	559.2	558.9	558.6	558.9	559.2	559.4	559.8	559.6	559.0	558.5
132.5°	581.6	581.2	580.8	580.4	580.8	581.2	581.6	581.9	581.9	581.3	580.7
135°	615.0	614.6	614.2	613.8	614.2	614.6	615.0	615.4	615.4	615.0	614.6
137.5°	645.9	645.6	645.4	645.1	645.4	645.6	645.9	646.2	646.0	645.3	644.7
140°	664.7	664.5	664.2	663.9	664.2	664.5	664.7	665.0	664.9	664.3	663.8
142.5°	682.4	682.0	681.7	681.3	681.7	682.0	682.4	682.8	682.8	682.3	681.9
145°	707.9	707.9	707.9	707.9	707.9	707.9	707.9	707.9	707.7	707.5	707.2
147.5°	729.6	729.0	728.3	727.7	728.3	729.0	729.6	730.2	730.4	730.2	729.8
150°	743.8	743.4	743.0	742.6	743.0	743.4	743.8	744.3	744.3	744.0	743.7
152.5°	756.4	755.7	755.1	754.5	755.1	755.7	756.4	757.0	757.1	756.5	756.1
155°	773.6	772.7	771.9	771.0	771.9	772.7	773.6	774.4	774.4	773.7	773.1
157.5°	788.3	787.2	786.2	785.1	786.2	787.2	788.3	789.3	789.5	788.6	787.8
160°	796.9	795.9	795.0	794.0	795.0	795.9	796.9	797.8	797.9	797.1	796.2
162.5°	804.9	804.1	803.3	802.4	803.3	804.1	804.9	805.8	805.7	804.9	803.9
165°	815.5	814.4	813.5	812.5	813.5	814.4	815.5	816.4	816.3	815.2	814.1
167.5°	823.2	822.0	820.9	819.8	820.9	822.0	823.2	824.3	824.3	823.2	822.0
170°	827.6	826.5	825.5	824.3	825.5	826.5	827.6	828.7	828.7	827.6	826.5
172.5°	830.4	829.3	828.0	826.8	828.0	829.3	830.4	831.6	831.7	830.6	829.5
175°	833.9	832.7	831.6	830.5	831.6	832.7	833.9	834.9	835.0	834.0	833.1
177.5°	835.0	833.9	832.7	831.6	832.7	833.9	835.0	836.1	836.1	835.3	834.4
180°	833.6	833.6	833.6	833.6	833.6	833.6	833.6	833.6	833.6	833.6	833.6



TEST NUMBER: P332252-927

CATALOG NUMBER: S123RDIP-S340D805U927-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	431.1	431.1	431.1	431.1	431.1	431.1	431.1	431.1	431.1	431.1	431.1
2.5°	411.5	413.6	415.7	417.6	420.5	421.8	423.7	424.5	426.7	429.9	432.6
5°	386.5	389.4	393.3	396.4	401.4	405.3	409.6	413.6	418.4	425.2	431.3
7.5°	365.3	368.1	372.8	378.7	384.1	389.7	395.5	401.0	407.8	417.6	427.3
10°	351.3	354.7	360.3	366.5	373.4	378.7	385.6	392.5	401.1	412.3	424.0
12.5°	339.1	341.7	348.2	354.1	361.9	368.7	375.3	383.6	393.2	405.2	419.2
15°	319.9	323.5	329.8	336.4	344.6	351.8	360.4	370.4	379.9	394.6	411.5
17.5°	300.5	306.1	312.7	320.1	326.1	336.1	345.5	355.7	367.3	382.9	401.6
20°	288.1	292.6	298.7	309.5	317.4	325.0	333.7	346.4	357.1	374.9	394.2
22.5°	277.6	280.8	287.7	296.7	305.9	314.7	323.5	335.6	348.9	365.7	386.7
25°	262.1	267.3	272.4	278.8	288.8	299.4	309.0	319.3	333.4	351.3	373.9
27.5°	246.9	251.6	256.7	264.6	272.2	282.0	292.1	303.9	318.9	337.9	360.9
30°	237.2	240.7	245.5	255.6	262.4	270.9	282.7	293.3	307.3	327.4	351.8
32.5°	227.1	231.6	236.9	244.7	253.2	261.2	272.0	283.4	297.7	317.5	342.5
35°	212.8	218.2	223.5	229.3	237.7	246.1	255.1	267.6	282.2	301.4	325.9
37.5°	199.6	203.9	208.3	215.4	223.4	231.3	239.8	252.2	265.9	286.6	309.1
40°	191.2	195.1	198.4	205.8	213.6	222.0	230.4	241.2	256.0	275.4	297.1
42.5°	182.0	185.6	190.1	196.2	204.5	211.7	220.0	230.3	244.2	263.9	283.0
45°	168.3	172.4	176.3	182.0	190.3	197.3	204.7	214.4	228.7	244.9	261.9
47.5°	154.0	158.1	162.6	168.1	175.3	182.4	189.8	198.4	211.4	227.4	238.8
50°	144.9	148.2	152.7	158.2	164.9	172.4	179.0	188.5	200.8	213.3	223.3
52.5°	135.5	138.5	143.5	149.3	155.5	162.1	169.1	177.2	188.4	200.2	208.1
55°	120.7	124.4	128.7	134.4	140.5	146.0	152.8	161.1	170.0	178.9	184.2
57.5°	106.9	110.0	113.6	119.5	124.8	131.3	137.5	143.9	152.2	158.8	162.3
60°	96.9	99.7	104.3	109.5	114.4	120.2	127.1	133.6	139.9	145.3	148.0
62.5°	87.5	90.6	94.7	99.4	104.8	110.3	116.4	121.8	127.4	132.0	133.9
65°	75.1	77.7	80.6	85.1	89.5	95.1	99.8	105.4	109.5	112.0	113.7
67.5°	63.9	65.6	67.8	70.8	75.2	80.0	84.6	89.0	92.4	94.1	95.6
70°	56.6	57.8	59.4	62.3	65.7	69.9	74.8	77.9	80.8	82.3	83.8
72.5°	49.4	50.9	52.4	54.7	57.4	60.5	64.0	67.8	69.5	71.2	72.1
75°	37.5	39.5	41.5	43.0	44.8	47.2	50.4	52.8	53.7	55.2	55.4
77.5°	28.3	28.8	30.2	32.0	33.6	35.3	37.3	39.5	39.9	40.6	41.2
80°	23.3	23.3	23.3	24.4	26.2	27.5	29.3	30.4	31.2	31.4	31.5
82.5°	18.7	18.7	18.5	18.8	19.4	20.1	21.8	23.1	23.7	23.5	23.1
85°	12.2	11.8	11.8	11.6	11.8	11.4	11.2	12.0	13.1	13.1	12.8
87.5°	8.1	7.8	7.6	7.1	6.7	6.1	5.4	5.2	5.0	5.3	4.8
90°	15.4	14.9	13.1	11.2	9.5	7.7	6.1	4.8	3.4	2.0	0.6
92.5°	16.7	15.8	14.5	13.2	11.8	10.5	10.0	10.4	10.8	11.2	11.5
95°	20.2	19.2	17.7	16.2	14.7	13.2	15.2	20.8	26.5	32.2	37.8
97.5°	21.1	20.0	29.9	39.8	49.7	59.6	65.8	68.4	70.9	73.4	75.9
100°	21.5	20.4	41.9	63.4	84.8	106.3	115.7	112.9	110.2	107.4	104.6
102.5°	37.3	40.7	64.2	87.6	111.1	134.6	145.3	143.3	141.3	139.3	137.4
105°	111.3	135.6	148.0	160.4	172.8	185.2	190.6	189.1	187.6	186.1	184.6
107.5°	230.8	248.6	246.6	244.7	242.7	240.7	239.2	238.0	236.8	235.6	234.3
110°	274.8	279.3	277.8	276.3	274.8	273.2	272.0	270.8	269.7	268.6	267.5



TEST NUMBER: P332252-927

CATALOG NUMBER: S123RDIP-S340D805U927-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	310.6	310.5	309.0	307.5	306.0	304.4	303.2	302.2	301.3	300.2	299.3
115°	356.9	355.5	354.3	353.0	351.8	350.5	349.5	348.7	347.8	347.1	346.2
117.5°	400.2	399.1	398.5	397.8	397.2	396.6	395.7	394.7	393.7	392.7	391.7
120°	428.4	427.3	426.9	426.5	426.1	425.7	424.8	423.6	422.4	421.1	419.9
122.5°	456.4	455.6	455.0	454.6	454.0	453.4	452.7	451.7	450.7	449.6	448.6
125°	495.7	495.4	494.9	494.3	493.8	493.3	492.4	491.3	490.2	489.1	488.1
127.5°	534.6	534.1	533.5	532.8	532.1	531.5	530.6	529.5	528.4	527.3	526.2
130°	557.9	557.4	556.8	556.3	555.7	555.2	554.4	553.3	552.2	551.0	549.9
132.5°	580.3	579.7	579.2	578.8	578.4	577.9	577.2	576.1	575.0	573.9	572.7
135°	614.2	613.8	613.2	612.7	612.1	611.6	610.9	610.1	609.2	608.4	607.5
137.5°	644.0	643.3	643.0	642.8	642.5	642.1	641.4	640.4	639.4	638.3	637.3
140°	663.2	662.7	662.3	661.9	661.5	661.0	660.4	659.6	658.8	657.9	657.1
142.5°	681.4	681.0	680.6	680.2	679.8	679.4	678.7	677.9	677.1	676.3	675.4
145°	706.9	706.6	706.4	706.1	705.8	705.5	705.0	703.9	703.0	702.0	701.1
147.5°	729.6	729.3	729.0	728.7	728.5	728.3	727.8	727.1	726.5	725.9	725.2
150°	743.5	743.2	742.9	742.7	742.4	742.1	741.7	741.3	740.9	740.5	740.1
152.5°	755.6	755.1	754.9	754.7	754.6	754.4	754.2	754.1	753.8	753.7	753.4
155°	772.4	771.7	771.5	771.4	771.3	771.1	771.2	771.5	771.7	772.1	772.3
157.5°	787.0	786.2	786.3	786.5	786.6	786.7	786.8	786.8	786.9	786.9	786.9
160°	795.4	794.6	794.7	794.9	795.0	795.1	795.3	795.4	795.6	795.7	795.8
162.5°	803.0	802.0	802.2	802.3	802.4	802.6	802.8	803.2	803.5	803.9	804.2
165°	813.0	811.9	812.1	812.2	812.4	812.5	812.8	813.2	813.6	814.0	814.4
167.5°	820.9	819.8	819.8	819.8	819.8	819.8	820.1	820.7	821.3	821.8	822.4
170°	825.5	824.3	824.3	824.3	824.3	824.3	824.6	825.1	825.7	826.2	826.8
172.5°	828.4	827.3	827.2	827.0	827.0	826.9	827.1	827.8	828.5	829.1	829.7
175°	832.1	831.2	831.0	830.8	830.7	830.6	830.8	831.6	832.3	832.9	833.6
177.5°	833.5	832.6	832.5	832.4	832.3	832.2	832.4	833.0	833.5	834.1	834.6
180°	833.6	833.6	833.6	833.6	833.6	833.6	833.6	833.6	833.6	833.6	833.6



TEST NUMBER: P332252-927

CATALOG NUMBER: S123RDIP-S340D805U927-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	431.1	431.1	431.1	431.1	431.1	431.1	431.1	431.1	431.1	431.1	431.1
2.5°	433.5	435.1	437.2	440.3	442.7	444.7	445.1	445.8	447.3	449.7	451.6
5°	436.3	440.5	447.3	454.0	461.2	467.1	472.7	476.6	480.2	488.0	494.2
7.5°	435.4	444.9	455.6	467.5	479.6	491.2	502.1	511.8	521.5	532.8	545.7
10°	434.8	445.9	460.3	475.6	492.4	508.8	524.7	537.1	551.4	564.4	580.8
12.5°	432.1	448.0	465.2	484.7	505.4	524.3	545.3	562.3	578.8	597.5	616.6
15°	428.3	447.7	469.5	495.5	527.0	549.8	571.2	600.9	621.2	641.5	668.8
17.5°	421.7	445.4	472.5	506.4	532.5	563.3	595.5	619.0	646.3	674.9	699.7
20°	416.4	443.9	474.4	507.6	541.0	574.3	605.5	633.6	661.9	694.9	715.2
22.5°	411.1	438.2	469.9	505.2	541.1	576.3	611.6	644.5	676.3	709.6	735.5
25°	399.7	432.1	466.4	502.4	537.8	576.6	618.6	655.4	694.7	729.0	753.6
27.5°	388.3	418.0	452.1	488.6	528.0	573.8	623.3	665.0	704.4	729.0	736.7
30°	378.0	409.3	440.8	477.8	520.5	571.6	624.2	672.0	704.3	715.0	707.0
32.5°	367.5	395.9	427.0	465.0	510.2	566.1	625.3	667.9	687.3	679.1	646.8
35°	349.0	374.6	404.7	442.8	494.8	563.1	620.5	649.3	644.5	598.3	537.4
37.5°	329.2	350.1	378.0	417.7	478.8	551.1	599.5	603.8	562.2	491.4	421.0
40°	313.5	332.4	361.0	402.5	466.4	539.3	578.5	561.3	496.9	418.0	359.3
42.5°	298.3	314.3	341.8	386.6	454.6	523.2	547.0	509.6	435.3	360.8	307.4
45°	272.6	287.6	315.2	361.2	430.4	492.4	489.3	424.3	349.9	289.9	245.7
47.5°	248.2	261.3	287.2	334.1	402.0	446.2	416.9	347.8	284.7	236.5	204.9
50°	230.9	243.8	269.7	316.0	379.3	411.5	369.7	303.1	245.3	205.4	180.3
52.5°	214.4	227.0	250.6	295.7	351.8	371.1	326.1	264.4	216.2	181.8	160.3
55°	191.2	200.8	222.0	265.2	307.1	311.6	265.9	214.3	174.6	150.6	135.9
57.5°	167.6	175.9	196.9	231.2	260.6	258.3	215.2	170.4	143.7	125.9	115.2
60°	152.3	160.4	178.9	208.3	230.5	222.8	183.1	147.1	124.2	111.1	102.6
62.5°	137.9	144.3	161.6	183.2	199.1	190.3	156.5	126.7	108.5	97.5	90.8
65°	117.2	122.4	136.2	147.5	156.3	147.8	119.8	99.1	86.0	78.3	73.7
67.5°	97.5	100.8	109.5	113.6	119.9	110.5	90.1	76.2	68.8	62.3	59.0
70°	85.1	87.5	92.1	95.5	97.0	87.5	72.3	62.2	55.9	51.3	49.3
72.5°	72.6	74.8	75.7	78.4	77.6	68.6	58.1	50.1	45.6	42.5	39.8
75°	55.5	56.5	55.5	54.4	52.0	45.8	38.6	34.5	31.2	29.7	28.8
77.5°	40.5	40.2	39.0	37.2	33.1	29.2	25.3	23.9	22.5	21.7	21.4
80°	31.2	30.4	29.3	26.5	23.1	20.3	19.4	18.5	17.9	17.0	16.8
82.5°	23.2	22.7	20.9	18.6	16.2	14.8	14.1	13.7	13.2	12.7	12.7
85°	12.4	11.8	9.7	8.5	8.2	7.8	7.6	7.6	6.8	6.7	6.7
87.5°	4.4	3.8	3.9	3.7	4.0	4.1	4.6	4.7	4.9	5.1	5.0
90°	2.0	3.4	4.8	6.1	7.7	9.5	11.2	13.1	14.9	15.4	16.0
92.5°	11.2	10.8	10.4	10.0	10.5	11.8	13.2	14.5	15.8	16.7	17.6
95°	32.2	26.5	20.8	15.2	13.2	14.7	16.2	17.7	19.2	20.2	21.2
97.5°	73.4	70.9	68.4	65.8	59.6	49.7	39.8	29.9	20.0	21.1	22.2
100°	107.4	110.2	112.9	115.7	106.3	84.8	63.4	41.9	20.4	21.5	22.7
102.5°	139.3	141.3	143.3	145.3	134.6	111.1	87.6	64.2	40.7	37.3	33.9
105°	186.1	187.6	189.1	190.6	185.2	172.8	160.4	148.0	135.6	111.3	86.9
107.5°	235.6	236.8	238.0	239.2	240.7	242.7	244.7	246.6	248.6	230.8	212.9
110°	268.6	269.7	270.8	272.0	273.2	274.8	276.3	277.8	279.3	274.8	270.2



TEST NUMBER: P332252-927

CATALOG NUMBER: S123RDIP-S340D805U927-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	300.2	301.3	302.2	303.2	304.4	306.0	307.5	309.0	310.5	310.6	310.7
115°	347.1	347.8	348.7	349.5	350.5	351.8	353.0	354.3	355.5	356.9	358.2
117.5°	392.7	393.7	394.7	395.7	396.6	397.2	397.8	398.5	399.1	400.2	401.3
120°	421.1	422.4	423.6	424.8	425.7	426.1	426.5	426.9	427.3	428.4	429.5
122.5°	449.6	450.7	451.7	452.7	453.4	454.0	454.6	455.0	455.6	456.4	457.1
125°	489.1	490.2	491.3	492.4	493.3	493.8	494.3	494.9	495.4	495.7	496.0
127.5°	527.3	528.4	529.5	530.6	531.5	532.1	532.8	533.5	534.1	534.6	535.0
130°	551.0	552.2	553.3	554.4	555.2	555.7	556.3	556.8	557.4	557.9	558.5
132.5°	573.9	575.0	576.1	577.2	577.9	578.4	578.8	579.2	579.7	580.3	580.7
135°	608.4	609.2	610.1	610.9	611.6	612.1	612.7	613.2	613.8	614.2	614.6
137.5°	638.3	639.4	640.4	641.4	642.1	642.5	642.8	643.0	643.3	644.0	644.7
140°	657.9	658.8	659.6	660.4	661.0	661.5	661.9	662.3	662.7	663.2	663.8
142.5°	676.3	677.1	677.9	678.7	679.4	679.8	680.2	680.6	681.0	681.4	681.9
145°	702.0	703.0	703.9	705.0	705.5	705.8	706.1	706.4	706.6	706.9	707.2
147.5°	725.9	726.5	727.1	727.8	728.3	728.5	728.7	729.0	729.3	729.6	729.8
150°	740.5	740.9	741.3	741.7	742.1	742.4	742.7	742.9	743.2	743.5	743.7
152.5°	753.7	753.8	754.1	754.2	754.4	754.6	754.7	754.9	755.1	755.6	756.1
155°	772.1	771.7	771.5	771.2	771.1	771.3	771.4	771.5	771.7	772.4	773.1
157.5°	786.9	786.9	786.8	786.8	786.7	786.6	786.5	786.3	786.2	787.0	787.8
160°	795.7	795.6	795.4	795.3	795.1	795.0	794.9	794.7	794.6	795.4	796.2
162.5°	803.9	803.5	803.2	802.8	802.6	802.4	802.3	802.2	802.0	803.0	803.9
165°	814.0	813.6	813.2	812.8	812.5	812.4	812.2	812.1	811.9	813.0	814.1
167.5°	821.8	821.3	820.7	820.1	819.8	819.8	819.8	819.8	819.8	820.9	822.0
170°	826.2	825.7	825.1	824.6	824.3	824.3	824.3	824.3	824.3	825.5	826.5
172.5°	829.1	828.5	827.8	827.1	826.9	827.0	827.0	827.2	827.3	828.4	829.5
175°	832.9	832.3	831.6	830.8	830.6	830.7	830.8	831.0	831.2	832.1	833.1
177.5°	834.1	833.5	833.0	832.4	832.2	832.3	832.4	832.5	832.6	833.5	834.4
180°	833.6	833.6	833.6	833.6	833.6	833.6	833.6	833.6	833.6	833.6	833.6



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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°	5.1	5.1	5.1	5.1	5.1	5.5	5.2
90°	16.5	17.0	17.5	17.7	18.1	18.3	18.6
92.5°	18.5	19.4	19.9	20.0	20.2	20.4	20.6
95°	22.1	23.1	23.5	23.5	23.5	23.5	23.5
97.5°	23.2	24.3	25.0	25.1	25.3	25.3	25.5
100°	23.8	24.9	25.4	25.6	25.7	25.9	26.0
102.5°	30.5	27.1	25.5	25.7	26.0	26.2	26.5
105°	62.6	38.2	26.1	26.5	26.7	27.0	27.3
107.5°	195.0	177.1	159.0	140.7	122.3	103.9	85.6
110°	265.7	261.2	249.1	229.3	209.7	190.0	170.3



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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
112.5°	310.8	310.9	308.8	304.7	300.5	296.4	292.2
115°	359.7	361.0	361.9	362.5	363.1	363.6	364.2
117.5°	402.4	403.5	404.1	404.3	404.3	404.4	404.6
120°	430.6	431.7	432.3	432.3	432.3	432.3	432.3
122.5°	457.9	458.7	459.1	459.2	459.3	459.5	459.5
125°	496.3	496.5	496.9	497.1	497.4	497.6	498.0
127.5°	535.4	535.8	535.9	535.7	535.4	535.1	534.9
130°	559.0	559.6	559.8	559.4	559.2	558.9	558.6
132.5°	581.3	581.9	581.9	581.6	581.2	580.8	580.4
135°	615.0	615.4	615.4	615.0	614.6	614.2	613.8
137.5°	645.3	646.0	646.2	645.9	645.6	645.4	645.1
140°	664.3	664.9	665.0	664.7	664.5	664.2	663.9
142.5°	682.3	682.8	682.8	682.4	682.0	681.7	681.3
145°	707.5	707.7	707.9	707.9	707.9	707.9	707.9
147.5°	730.2	730.4	730.2	729.6	729.0	728.3	727.7
150°	744.0	744.3	744.3	743.8	743.4	743.0	742.6
152.5°	756.5	757.1	757.0	756.4	755.7	755.1	754.5
155°	773.7	774.4	774.4	773.6	772.7	771.9	771.0
157.5°	788.6	789.5	789.3	788.3	787.2	786.2	785.1
160°	797.1	797.9	797.8	796.9	795.9	795.0	794.0
162.5°	804.9	805.7	805.8	804.9	804.1	803.3	802.4
165°	815.2	816.3	816.4	815.5	814.4	813.5	812.5
167.5°	823.2	824.3	824.3	823.2	822.0	820.9	819.8
170°	827.6	828.7	828.7	827.6	826.5	825.5	824.3
172.5°	830.6	831.7	831.6	830.4	829.3	828.0	826.8
175°	834.0	835.0	834.9	833.9	832.7	831.6	830.5
177.5°	835.3	836.1	836.1	835.0	833.9	832.7	831.6
180°	833.6	833.6	833.6	833.6	833.6	833.6	833.6

(END OF REPORT)