

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: P332097-940

Luminaire Tested: **S123DIW-S340D755U940-4F0-1E-UDD-A1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P332097-940
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1807-864-9,
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: NEO-RAY
Catalog Number: S123DIW-S340D755U940-4F0-1E-UDD-A1
Description: DEFINE 3 DIRECT-INDIRECT WALL MOUNT LED LUMINAIRE
DOWNLIGHT 340 LUMENS PER FOOT, ASYMMETRIC DIFFUSER
UPLIGHT 755 LUMENS PER FOOT, FLUSH SATIN WHITE DIFFUSER
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3631.0 lumens
Efficiency: N/A
Efficacy: 119.4 lumens/watt
Spacing Criteria (0/90/45): 1.37 / 1.23 / 1.49
Luminous Opening: Rectangular (W 4' x L: 0.25' x H: 0')
CIE Type: Semi-Indirect

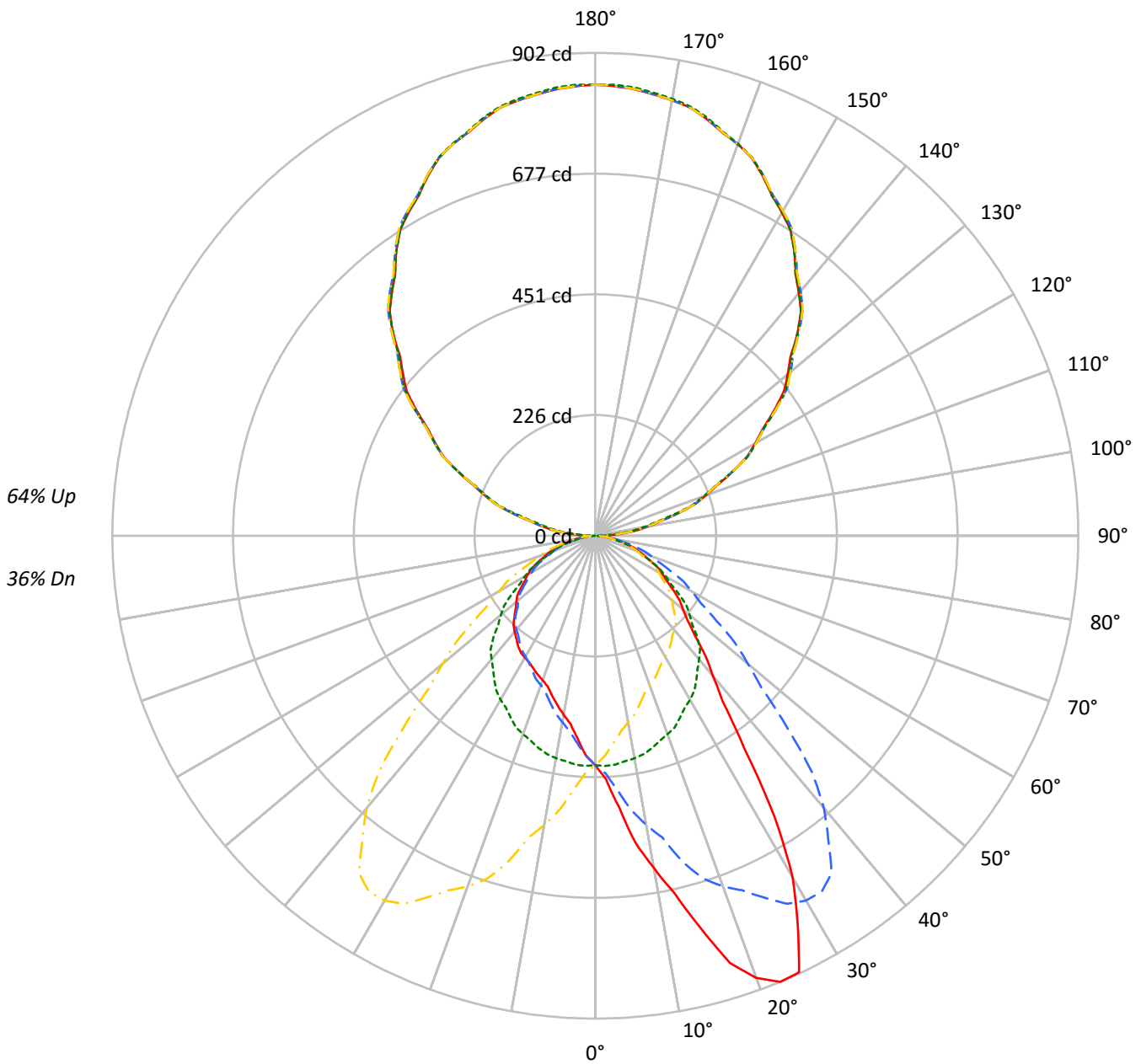
Input Watts (W): 30.4
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Luminous Intensity Polar Plot



— 0°-180° - - - 45°-225° - · - · 90°-270° - · - · 135°-315°



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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	104	104	104	104	94	94	94	94	75	75	75	59	59	59	43	43	43	36
1	95	91	87	84	86	82	79	76	66	64	62	52	50	49	38	37	37	30
2	86	79	73	68	78	72	67	63	58	55	52	46	43	41	34	32	31	26
3	79	70	63	57	71	63	57	53	51	47	44	40	37	35	30	28	27	22
4	72	62	54	48	65	56	50	45	46	41	37	36	33	30	27	25	23	19
5	66	55	47	41	60	50	43	38	41	36	32	32	29	26	24	22	20	17
6	61	49	41	36	55	45	38	33	37	32	28	29	26	23	22	20	18	15
7	56	44	37	31	51	41	34	29	33	28	25	27	23	20	20	18	16	13
8	52	40	33	28	47	37	30	26	30	25	22	24	21	18	19	16	14	12
9	49	37	29	24	44	34	27	23	28	23	19	22	19	16	17	15	13	10
10	45	34	26	22	41	31	25	20	25	21	17	21	17	14	16	13	12	10

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	4614	4614	4614	4614
5°	5503	4635	4107	4635
10°	6889	4612	3711	4612
15°	8449	4574	3455	4574
20°	10065	4517	3289	4517
25°	10688	4445	3252	4445
30°	9161	4395	3269	4395
35°	6370	4322	3303	4322
40°	4799	4235	3292	4235
45°	3984	4107	3252	4107
50°	3569	3848	3220	3848
55°	3337	3567	3181	3567
60°	3130	3272	3147	3272
65°	2942	2985	3049	2985
70°	2760	2656	2902	2656
75°	2470	2325	2662	2325
80°	2163	1909	2294	1909
85°	1692	1383	1544	1383



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	42.2	1.2
10°-20°	135.4	3.7
20°-30°	227.3	6.3
30°-40°	257.4	7.1
40°-50°	230.8	6.4
50°-60°	186.3	5.1
60°-70°	129.8	3.6
70°-80°	68.2	1.9
80°-90°	19.2	0.5
90°-100°	54.9	1.5
100°-110°	164.3	4.5
110°-120°	279.4	7.7
120°-130°	367.5	10.1
130°-140°	413.1	11.4
140°-150°	406.1	11.2
150°-160°	341.9	9.4
160°-170°	227.6	6.3
170°-180°	79.7	2.2
0°-30°	405.0	11.2
0°-40°	662.4	18.2
0°-60°	1079.4	29.7
0°-90°	1296.6	35.7
90°-120°	498.6	13.7
90°-150°	1685.3	46.4
90°-180°	2334.0	64.3
0°-180°	3631.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	429	429	429	429	429	
5°	509	429	380	429	509	53
15°	758	410	310	410	758	219
25°	900	374	274	374	900	395
35°	485	329	251	329	485	315
45°	262	270	214	270	262	207
55°	178	190	170	190	178	160
65°	116	117	120	117	116	115
75°	59	56	64	56	59	64
85°	14	11	12	11	14	17
90°	20	1	20	1	20	10
95°	52	39	52	39	52	53
105°	158	149	158	149	158	167
115°	282	281	282	281	282	279
125°	407	412	407	412	407	364
135°	533	534	533	534	533	410
145°	648	648	648	648	648	404
155°	741	742	741	742	741	341
165°	806	808	806	808	806	227
175°	837	840	837	840	837	80
180°	843	843	843	843	843	



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	428.7	428.7	428.7	428.7	428.7	428.7	428.7	428.7	428.7	428.7	428.7
2.5°	455.0	454.7	453.9	454.5	453.2	451.4	451.2	449.5	444.7	444.4	443.1
5°	509.3	507.7	507.5	507.3	504.4	500.4	492.9	492.3	482.3	477.4	471.4
7.5°	579.8	580.6	577.6	575.0	566.1	560.2	552.1	541.9	529.7	517.2	509.0
10°	630.3	637.1	628.7	622.8	617.4	607.3	595.4	580.6	565.9	548.7	535.6
12.5°	684.5	687.8	686.1	680.6	672.3	656.7	635.8	619.5	605.9	577.2	565.6
15°	758.2	770.9	762.8	744.1	744.5	729.8	702.4	672.3	656.2	631.1	596.8
17.5°	836.9	838.4	835.0	819.4	809.0	788.7	763.4	734.6	702.1	671.7	635.3
20°	878.7	877.4	870.2	862.1	844.3	828.5	800.8	768.7	727.1	697.1	657.5
22.5°	902.0	899.9	896.4	889.7	874.9	857.9	833.0	797.9	758.3	717.1	671.3
25°	899.9	902.6	903.0	901.2	896.0	885.8	866.3	838.2	798.8	745.7	698.0
27.5°	818.5	822.3	833.4	843.3	854.3	865.5	864.0	850.1	820.8	775.1	716.7
30°	737.1	728.7	749.3	775.3	792.9	824.1	841.5	842.6	826.2	786.9	730.0
32.5°	624.0	633.2	642.3	674.2	712.8	747.8	782.6	810.5	813.7	787.6	737.8
35°	484.8	496.3	512.9	529.5	571.1	606.8	667.9	721.0	763.4	769.0	738.5
37.5°	390.7	396.4	406.9	423.6	450.7	493.1	540.3	607.5	669.0	714.6	716.6
40°	341.5	343.2	355.0	367.7	389.7	424.6	467.2	526.6	600.1	664.0	690.5
42.5°	304.6	308.3	313.3	325.5	343.0	369.3	408.8	458.0	525.4	598.8	650.8
45°	261.7	265.9	269.0	277.1	289.6	307.3	334.8	379.8	431.1	506.8	576.8
47.5°	233.4	233.7	236.0	242.2	250.7	263.9	283.5	312.3	359.4	420.9	492.8
50°	213.1	216.4	217.3	222.0	228.7	238.4	254.7	279.2	317.8	371.8	437.9
52.5°	198.9	199.8	202.2	205.6	211.4	219.0	233.1	252.3	282.6	328.7	389.4
55°	177.8	177.8	180.1	182.8	186.1	193.0	202.3	216.4	239.5	275.3	325.6
57.5°	158.4	159.4	161.0	161.8	164.7	169.2	177.0	187.8	204.9	232.5	272.4
60°	145.4	147.3	147.0	148.7	151.2	154.8	161.4	170.1	185.5	207.5	241.2
62.5°	134.1	134.0	133.9	136.0	138.4	141.8	146.2	153.6	166.7	186.3	214.9
65°	115.5	115.1	116.5	117.8	118.6	121.1	124.4	131.1	139.8	154.4	176.6
67.5°	99.0	97.7	98.5	99.0	100.4	102.4	105.5	109.6	116.5	128.1	144.9
70°	87.7	86.6	86.4	86.9	88.1	89.5	91.8	95.8	102.2	111.6	123.8
72.5°	76.1	75.3	75.3	76.2	76.8	77.8	79.4	82.9	88.1	95.1	106.6
75°	59.4	59.4	59.4	59.7	60.3	61.1	62.3	64.2	68.1	73.1	80.8
77.5°	44.5	44.5	44.2	44.2	45.1	45.5	45.7	47.5	49.8	53.1	58.7
80°	34.9	33.9	34.2	34.9	35.3	35.5	36.1	36.6	38.4	40.3	44.2
82.5°	25.9	25.1	25.1	26.1	26.2	26.4	27.0	27.6	28.3	30.0	32.1
85°	13.7	13.7	13.9	13.9	14.1	13.9	14.5	14.7	14.7	15.8	17.0
87.5°	8.9	8.6	8.6	8.7	8.6	8.6	8.6	8.7	8.7	8.8	8.6
90°	19.9	19.5	19.3	19.0	18.6	18.3	17.7	17.0	16.5	15.9	14.0
92.5°	26.8	26.9	27.1	27.3	27.5	27.3	26.8	26.4	25.9	25.4	24.3
95°	51.6	51.6	51.6	51.6	51.6	51.4	50.7	50.1	49.6	49.0	47.8
97.5°	79.5	79.5	79.5	79.6	79.6	79.4	78.6	78.0	77.3	76.7	75.8
100°	100.6	100.3	100.0	99.7	99.4	99.1	98.6	98.2	97.7	97.3	96.6
102.5°	122.3	122.3	122.4	122.5	122.5	122.3	121.9	121.5	121.0	120.6	119.6
105°	157.6	157.2	156.9	156.7	156.3	156.2	156.2	156.2	156.2	156.2	154.9
107.5°	194.2	194.4	194.6	194.7	194.9	194.7	194.3	193.8	193.3	192.9	192.3
110°	219.1	219.4	219.6	220.0	220.3	220.1	219.5	218.9	218.4	217.8	217.5



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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	245.6	245.6	245.7	245.8	245.8	245.5	244.8	244.1	243.3	242.6	242.5
115°	282.0	282.1	282.2	282.4	282.6	282.6	282.4	282.2	282.1	282.0	282.2
117.5°	318.9	319.3	319.7	320.1	320.6	320.7	320.7	320.8	320.8	320.8	321.3
120°	344.8	345.1	345.4	345.7	346.0	346.3	346.3	346.5	346.7	346.8	347.6
122.5°	369.7	370.1	370.5	371.0	371.4	371.8	372.1	372.6	372.9	373.3	373.7
125°	407.1	407.6	408.2	408.8	409.4	410.0	410.5	411.2	411.8	412.3	412.6
127.5°	444.3	445.0	445.6	446.3	446.9	447.7	448.5	449.3	450.1	451.0	451.3
130°	468.6	469.7	470.6	471.7	472.7	473.5	474.1	474.7	475.3	475.9	476.4
132.5°	494.0	494.8	495.6	496.4	497.2	497.9	498.6	499.4	500.1	500.8	501.1
135°	533.4	533.8	534.0	534.3	534.7	535.1	535.7	536.3	536.8	537.4	537.6
137.5°	568.3	568.8	569.4	570.0	570.5	571.1	571.7	572.3	572.9	573.5	573.2
140°	591.0	592.1	593.1	594.1	595.1	595.8	595.9	596.0	596.2	596.4	596.2
142.5°	614.3	615.1	615.9	616.7	617.5	618.0	618.1	618.3	618.4	618.6	618.3
145°	648.0	648.5	649.2	649.7	650.3	650.7	650.9	650.9	651.1	651.3	650.9
147.5°	677.9	678.8	679.7	680.6	681.4	681.9	681.9	681.9	681.9	681.9	681.4
150°	697.0	697.9	698.7	699.5	700.4	700.9	700.9	700.9	700.9	700.9	700.6
152.5°	715.5	716.2	717.0	717.7	718.5	718.8	718.5	718.4	718.1	717.8	717.6
155°	740.7	741.6	742.7	743.7	744.8	744.9	744.4	743.8	743.2	742.6	742.4
157.5°	763.5	764.4	765.2	766.0	766.8	767.0	766.3	765.7	765.1	764.5	764.4
160°	778.4	778.9	779.5	780.2	780.7	780.6	779.9	779.2	778.5	777.7	777.7
162.5°	789.4	790.4	791.4	792.3	793.3	793.4	792.6	791.8	791.1	790.4	790.3
165°	805.5	806.6	807.5	808.6	809.6	809.7	808.8	807.9	807.0	806.1	806.1
167.5°	819.1	820.0	820.9	821.9	822.8	822.8	821.9	820.9	820.0	819.1	819.0
170°	826.0	827.1	828.0	829.1	830.1	830.1	829.1	828.0	827.1	826.0	826.0
172.5°	831.3	832.3	833.4	834.4	835.4	835.4	834.6	833.7	832.8	831.8	831.8
175°	837.2	838.3	839.3	840.3	841.4	841.4	840.5	839.7	838.8	837.9	837.9
177.5°	840.4	841.2	842.0	842.9	843.7	843.8	843.1	842.4	841.7	841.0	841.0
180°	842.6	842.6	842.6	842.6	842.6	842.6	842.6	842.6	842.6	842.6	842.6



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CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	428.7	428.7	428.7	428.7	428.7	428.7	428.7	428.7	428.7	428.7	428.7
2.5°	442.0	440.8	439.4	437.1	435.1	432.3	431.4	430.4	427.4	424.8	422.8
5°	469.0	464.0	456.8	450.1	444.8	437.5	433.4	429.0	422.8	417.1	412.6
7.5°	497.3	487.5	476.2	464.0	452.6	441.7	432.8	424.9	416.2	408.0	401.4
10°	519.8	505.6	489.8	472.8	458.3	444.2	432.3	422.0	410.7	400.9	392.8
12.5°	545.4	524.4	502.7	482.0	464.8	445.1	430.8	417.6	404.8	393.2	384.1
15°	575.6	549.0	523.3	494.8	468.7	444.2	427.1	410.5	395.7	383.7	372.0
17.5°	603.2	573.1	539.1	504.5	473.0	443.9	420.1	401.3	382.8	368.1	356.5
20°	618.8	584.6	546.2	510.2	475.3	442.9	416.7	394.3	374.3	358.7	345.7
22.5°	632.3	592.2	552.4	514.0	475.1	440.2	410.5	387.4	365.9	350.6	336.7
25°	646.3	598.2	558.4	513.4	469.9	433.7	400.6	374.3	352.8	334.8	320.6
27.5°	658.3	597.9	550.5	502.0	461.6	425.4	389.9	361.9	338.9	319.5	305.0
30°	666.2	598.7	542.4	494.5	453.7	416.3	381.8	353.6	329.5	309.8	296.0
32.5°	671.2	598.2	534.9	483.8	441.0	408.0	373.0	343.8	319.0	299.6	286.4
35°	674.1	594.5	522.0	461.8	420.7	388.4	359.2	328.9	302.9	284.8	269.8
37.5°	668.2	586.8	507.1	440.6	395.6	363.9	339.2	313.4	288.6	268.7	255.7
40°	659.2	581.8	495.4	425.6	378.3	347.8	326.8	301.4	276.9	258.0	245.9
42.5°	641.7	571.8	482.7	409.0	360.3	329.8	310.5	289.3	266.1	248.3	236.3
45°	599.1	549.7	463.4	384.1	333.9	302.3	285.3	269.8	248.9	231.7	221.2
47.5°	540.0	516.5	435.7	357.8	306.1	275.8	258.1	245.8	230.4	216.4	206.5
50°	499.0	489.2	417.0	339.8	287.8	258.0	240.9	229.8	218.7	204.8	195.7
52.5°	451.7	457.6	395.0	321.3	268.9	239.7	223.7	214.8	204.8	193.3	185.4
55°	385.0	406.7	357.1	290.0	240.9	213.1	198.0	190.1	184.2	175.8	168.9
57.5°	322.5	350.3	316.1	257.8	213.5	189.5	175.0	166.4	162.6	158.2	152.8
60°	285.4	312.8	286.9	236.2	195.1	172.2	159.3	152.0	148.3	145.2	140.6
62.5°	252.4	280.1	258.3	214.3	176.9	155.8	144.5	137.4	134.6	133.0	129.0
65°	206.9	230.8	216.2	180.1	151.1	132.3	122.2	117.2	114.5	113.9	111.4
67.5°	168.4	186.5	176.0	149.4	126.5	110.4	101.7	97.5	95.4	95.1	93.3
70°	143.1	160.2	152.0	128.0	108.3	95.6	88.1	84.4	83.1	82.9	81.9
72.5°	123.5	135.4	128.9	108.9	93.6	82.1	76.6	72.7	71.3	71.6	70.9
75°	91.4	100.3	96.6	82.7	70.4	63.0	58.4	55.9	54.7	55.3	54.4
77.5°	65.8	71.4	68.0	58.4	50.8	45.5	42.1	40.6	39.4	39.4	39.1
80°	49.7	53.0	51.1	45.3	39.1	34.5	31.7	30.8	30.1	29.9	29.7
82.5°	35.4	38.2	35.9	32.0	27.7	25.0	23.5	22.1	21.7	21.8	21.6
85°	17.8	18.9	18.1	15.6	13.9	12.7	11.9	11.2	10.8	11.0	10.6
87.5°	8.6	8.4	7.5	6.4	5.8	5.1	4.7	4.1	4.1	4.4	4.5
90°	12.0	10.2	8.2	6.5	5.1	3.6	2.1	0.6	2.1	3.6	5.1
92.5°	23.3	22.1	21.0	20.0	19.0	18.0	17.0	16.1	17.0	18.0	19.0
95°	46.6	45.5	44.2	43.2	42.2	41.1	40.0	39.1	40.0	41.1	42.2
97.5°	74.9	74.1	73.2	72.4	71.7	70.9	70.1	69.4	70.1	70.9	71.7
100°	95.9	95.1	94.3	93.5	92.6	91.8	90.9	90.0	90.9	91.8	92.6
102.5°	118.7	117.7	116.7	115.9	115.4	114.9	114.4	113.9	114.4	114.9	115.4
105°	153.6	152.2	150.9	150.1	149.8	149.5	149.2	148.9	149.2	149.5	149.8
107.5°	191.8	191.3	190.7	190.4	190.2	190.0	189.8	189.7	189.8	190.0	190.2
110°	217.1	216.9	216.6	216.2	216.0	215.7	215.4	215.1	215.4	215.7	216.0



TEST NUMBER: P332097-940

CATALOG NUMBER: S123DIW-S340D755U940-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	242.5	242.5	242.4	242.3	242.1	241.9	241.7	241.6	241.7	241.9	242.1
115°	282.6	282.9	283.1	283.0	282.6	282.1	281.7	281.3	281.7	282.1	282.6
117.5°	321.6	322.0	322.4	322.4	322.2	321.8	321.6	321.3	321.6	321.8	322.2
120°	348.3	349.0	349.7	349.7	348.8	347.9	347.1	346.2	347.1	347.9	348.8
122.5°	374.1	374.4	374.8	374.7	374.1	373.4	372.7	372.1	372.7	373.4	374.1
125°	413.0	413.2	413.5	413.5	413.0	412.6	412.1	411.7	412.1	412.6	413.0
127.5°	451.7	452.0	452.3	452.0	451.0	450.1	449.2	448.2	449.2	450.1	451.0
130°	476.8	477.2	477.7	477.2	476.1	474.9	473.8	472.6	473.8	474.9	476.1
132.5°	501.4	501.8	502.0	501.7	500.4	499.3	498.1	497.0	498.1	499.3	500.4
135°	537.7	537.9	538.1	537.6	536.8	535.9	535.0	534.1	535.0	535.9	536.8
137.5°	572.8	572.4	572.0	571.5	570.8	570.0	569.3	568.6	569.3	570.0	570.8
140°	596.0	595.9	595.8	595.3	594.6	593.9	593.1	592.4	593.1	593.9	594.6
142.5°	618.0	617.8	617.5	617.0	616.3	615.5	614.8	614.1	614.8	615.5	616.3
145°	650.4	650.0	649.5	649.2	648.8	648.5	648.3	648.0	648.3	648.5	648.8
147.5°	681.0	680.6	680.2	679.8	679.2	678.7	678.1	677.6	678.1	678.7	679.2
150°	700.3	700.0	699.7	699.5	699.2	698.8	698.6	698.3	698.6	698.8	699.2
152.5°	717.5	717.3	717.1	716.8	716.5	716.0	715.6	715.2	715.6	716.0	716.5
155°	742.3	742.2	742.0	742.0	742.0	742.0	742.0	742.0	742.0	742.0	742.0
157.5°	764.2	764.1	764.0	764.0	764.2	764.4	764.6	764.7	764.6	764.4	764.2
160°	777.7	777.7	777.7	777.8	778.1	778.5	778.7	779.0	778.7	778.5	778.1
162.5°	790.1	790.1	790.0	790.1	790.5	790.9	791.3	791.8	791.3	790.9	790.5
165°	806.1	806.1	806.1	806.4	806.8	807.3	807.7	808.2	807.7	807.3	806.8
167.5°	818.9	818.8	818.7	818.9	819.5	820.1	820.6	821.3	820.6	820.1	819.5
170°	826.0	826.0	826.0	826.3	826.9	827.5	828.0	828.7	828.0	827.5	826.9
172.5°	831.8	831.8	831.8	832.1	832.7	833.3	833.9	834.5	833.9	833.3	832.7
175°	837.9	837.9	837.9	838.2	838.8	839.4	840.0	840.5	840.0	839.4	838.8
177.5°	841.0	841.0	841.0	841.2	841.7	842.1	842.6	843.1	842.6	842.1	841.7
180°	842.6	842.6	842.6	842.6	842.6	842.6	842.6	842.6	842.6	842.6	842.6



TEST NUMBER: P332097-940

CATALOG NUMBER: S123DIW-S340D755U940-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	428.7	428.7	428.7	428.7	428.7	428.7	428.7	428.7	428.7	428.7	428.7
2.5°	421.6	420.4	418.8	416.3	414.3	411.2	411.2	411.6	411.6	411.5	411.2
5°	408.8	405.7	402.0	397.6	393.1	388.4	387.6	385.9	384.8	383.9	382.9
7.5°	395.3	389.8	384.3	378.3	372.6	368.1	364.9	362.2	360.5	358.6	357.3
10°	386.2	379.3	372.9	366.5	359.4	353.7	350.3	347.8	345.9	344.2	343.4
12.5°	375.4	367.6	360.4	354.3	346.6	340.8	337.4	336.3	334.1	330.6	328.8
15°	359.6	352.3	343.8	334.5	330.7	323.7	319.7	317.8	316.6	313.9	313.1
17.5°	346.1	336.6	327.0	320.0	313.1	307.4	305.1	302.8	301.2	299.0	298.3
20°	335.3	326.8	318.1	310.6	303.3	297.0	295.2	293.6	291.9	290.9	290.0
22.5°	324.3	315.8	308.5	301.6	293.8	289.7	287.8	285.9	284.7	284.0	283.2
25°	308.9	301.4	293.3	287.1	280.9	278.1	276.9	275.9	275.0	274.0	273.8
27.5°	295.2	287.0	280.4	274.6	270.1	267.9	266.6	266.2	266.4	266.7	267.0
30°	284.8	277.3	272.0	267.0	262.8	260.7	260.5	260.5	261.4	261.5	262.0
32.5°	275.4	269.2	263.8	259.0	255.8	254.4	255.2	255.2	255.8	256.4	257.2
35°	261.5	256.1	252.0	247.8	245.1	245.8	246.2	246.6	247.6	248.9	249.7
37.5°	248.3	243.7	239.3	236.1	234.9	235.9	237.0	237.8	239.1	240.0	240.9
40°	238.9	235.3	231.2	228.3	228.7	229.3	230.2	231.2	232.3	232.9	233.7
42.5°	230.1	226.4	223.2	220.8	221.4	222.2	222.7	223.2	224.4	225.6	226.0
45°	216.7	213.7	210.9	209.4	209.8	210.3	210.6	211.2	212.3	213.1	213.4
47.5°	201.6	199.6	197.6	196.2	196.9	196.7	197.2	198.6	198.9	199.4	200.5
50°	192.0	190.1	187.8	187.3	187.3	187.3	187.6	189.2	189.2	190.1	190.9
52.5°	181.3	180.1	178.7	177.9	177.5	177.5	178.4	179.2	179.6	180.7	181.6
55°	165.6	164.3	163.1	162.5	162.0	162.5	164.1	164.5	165.6	166.2	166.8
57.5°	149.2	148.2	147.2	146.9	146.8	147.3	148.2	149.5	149.7	151.7	152.6
60°	138.4	136.9	136.1	136.1	135.6	137.5	137.1	139.2	139.6	140.9	142.3
62.5°	127.2	125.3	124.9	124.9	125.6	126.1	126.6	127.5	128.7	130.2	131.3
65°	109.2	108.3	109.7	109.5	109.1	110.3	110.3	111.4	112.6	114.0	116.4
67.5°	92.3	91.8	91.8	91.8	92.5	93.2	93.8	94.7	96.2	97.7	99.2
70°	80.8	81.4	80.4	81.2	81.9	82.0	82.5	83.7	85.3	86.4	88.1
72.5°	69.6	69.6	69.7	70.1	70.7	71.1	71.5	72.9	74.7	75.6	77.0
75°	53.6	53.4	54.0	54.0	55.0	55.5	55.9	56.5	58.1	59.4	60.5
77.5°	39.1	39.4	39.2	39.9	39.7	39.8	41.0	41.6	41.8	44.3	44.9
80°	29.5	29.9	30.1	30.3	30.5	30.1	31.6	32.2	32.2	33.6	34.7
82.5°	21.2	21.4	21.9	22.2	22.2	22.6	22.7	23.2	23.7	24.3	25.7
85°	10.6	11.2	11.4	11.2	11.4	11.0	11.6	11.9	12.0	12.0	12.0
87.5°	4.6	5.2	5.4	5.9	6.2	6.7	6.8	6.6	6.7	7.3	6.7
90°	6.5	8.2	10.2	12.0	14.0	15.9	16.5	17.0	17.7	18.3	18.6
92.5°	20.0	21.0	22.1	23.3	24.3	25.4	25.9	26.4	26.8	27.3	27.5
95°	43.2	44.2	45.5	46.6	47.8	49.0	49.6	50.1	50.7	51.4	51.6
97.5°	72.4	73.2	74.1	74.9	75.8	76.7	77.3	78.0	78.6	79.4	79.6
100°	93.5	94.3	95.1	95.9	96.6	97.3	97.7	98.2	98.6	99.1	99.4
102.5°	115.9	116.7	117.7	118.7	119.6	120.6	121.0	121.5	121.9	122.3	122.5
105°	150.1	150.9	152.2	153.6	154.9	156.2	156.2	156.2	156.2	156.2	156.3
107.5°	190.4	190.7	191.3	191.8	192.3	192.9	193.3	193.8	194.3	194.7	194.9
110°	216.2	216.6	216.9	217.1	217.5	217.8	218.4	218.9	219.5	220.1	220.3



TEST NUMBER: P332097-940

CATALOG NUMBER: S123DIW-S340D755U940-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	242.3	242.4	242.5	242.5	242.5	242.6	243.3	244.1	244.8	245.5	245.8
115°	283.0	283.1	282.9	282.6	282.2	282.0	282.1	282.2	282.4	282.6	282.6
117.5°	322.4	322.4	322.0	321.6	321.3	320.8	320.8	320.8	320.7	320.7	320.6
120°	349.7	349.7	349.0	348.3	347.6	346.8	346.7	346.5	346.3	346.3	346.0
122.5°	374.7	374.8	374.4	374.1	373.7	373.3	372.9	372.6	372.1	371.8	371.4
125°	413.5	413.5	413.2	413.0	412.6	412.3	411.8	411.2	410.5	410.0	409.4
127.5°	452.0	452.3	452.0	451.7	451.3	451.0	450.1	449.3	448.5	447.7	446.9
130°	477.2	477.7	477.2	476.8	476.4	475.9	475.3	474.7	474.1	473.5	472.7
132.5°	501.7	502.0	501.8	501.4	501.1	500.8	500.1	499.4	498.6	497.9	497.2
135°	537.6	538.1	537.9	537.7	537.6	537.4	536.8	536.3	535.7	535.1	534.7
137.5°	571.5	572.0	572.4	572.8	573.2	573.5	572.9	572.3	571.7	571.1	570.5
140°	595.3	595.8	595.9	596.0	596.2	596.4	596.2	596.0	595.9	595.8	595.1
142.5°	617.0	617.5	617.8	618.0	618.3	618.6	618.4	618.3	618.1	618.0	617.5
145°	649.2	649.5	650.0	650.4	650.9	651.3	651.1	650.9	650.9	650.7	650.3
147.5°	679.8	680.2	680.6	681.0	681.4	681.9	681.9	681.9	681.9	681.9	681.4
150°	699.5	699.7	700.0	700.3	700.6	700.9	700.9	700.9	700.9	700.9	700.4
152.5°	716.8	717.1	717.3	717.5	717.6	717.8	718.1	718.4	718.5	718.8	718.5
155°	742.0	742.0	742.2	742.3	742.4	742.6	743.2	743.8	744.4	744.9	744.8
157.5°	764.0	764.0	764.1	764.2	764.4	764.5	765.1	765.7	766.3	767.0	766.8
160°	777.8	777.7	777.7	777.7	777.7	777.7	778.5	779.2	779.9	780.6	780.7
162.5°	790.1	790.0	790.1	790.1	790.3	790.4	791.1	791.8	792.6	793.4	793.3
165°	806.4	806.1	806.1	806.1	806.1	806.1	807.0	807.9	808.8	809.7	809.6
167.5°	818.9	818.7	818.8	818.9	819.0	819.1	820.0	820.9	821.9	822.8	822.8
170°	826.3	826.0	826.0	826.0	826.0	826.0	827.1	828.0	829.1	830.1	830.1
172.5°	832.1	831.8	831.8	831.8	831.8	831.8	832.8	833.7	834.6	835.4	835.4
175°	838.2	837.9	837.9	837.9	837.9	837.9	838.8	839.7	840.5	841.4	841.4
177.5°	841.2	841.0	841.0	841.0	841.0	841.0	841.7	842.4	843.1	843.8	843.7
180°	842.6	842.6	842.6	842.6	842.6	842.6	842.6	842.6	842.6	842.6	842.6



TEST NUMBER: P332097-940

CATALOG NUMBER: S123DIW-S340D755U940-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	428.7	428.7	428.7	428.7	428.7	428.7	428.7	428.7	428.7	428.7	428.7
2.5°	410.0	409.8	411.0	410.2	411.0	409.8	410.0	411.2	411.5	411.6	411.6
5°	381.7	382.3	380.1	380.1	380.1	382.3	381.7	382.9	383.9	384.8	385.9
7.5°	356.3	355.4	355.5	354.4	355.5	355.4	356.3	357.3	358.6	360.5	362.2
10°	340.9	339.7	339.2	339.5	339.2	339.7	340.9	343.4	344.2	345.9	347.8
12.5°	328.1	327.9	325.1	325.1	325.1	327.9	328.1	328.8	330.6	334.1	336.3
15°	313.1	309.2	308.7	310.0	308.7	309.2	313.1	313.1	313.9	316.6	317.8
17.5°	298.0	295.9	296.0	295.4	296.0	295.9	298.0	298.3	299.0	301.2	302.8
20°	290.0	288.7	288.6	287.1	288.6	288.7	290.0	290.0	290.9	291.9	293.6
22.5°	282.7	282.3	282.4	280.8	282.4	282.3	282.7	283.2	284.0	284.7	285.9
25°	273.6	274.6	273.8	273.8	273.8	274.6	273.6	273.8	274.0	275.0	275.9
27.5°	267.4	267.4	267.0	267.0	267.0	267.4	267.4	267.0	266.7	266.4	266.2
30°	262.8	262.6	263.0	263.0	263.0	262.6	262.8	262.0	261.5	261.4	260.5
32.5°	258.2	258.4	258.5	258.7	258.5	258.4	258.2	257.2	256.4	255.8	255.2
35°	250.9	251.2	251.8	251.4	251.8	251.2	250.9	249.7	248.9	247.6	246.6
37.5°	241.2	242.2	242.0	242.3	242.0	242.2	241.2	240.9	240.0	239.1	237.8
40°	233.9	234.5	234.3	234.3	234.3	234.5	233.9	233.7	232.9	232.3	231.2
42.5°	226.4	226.9	226.3	226.0	226.3	226.9	226.4	226.0	225.6	224.4	223.2
45°	214.2	213.7	214.4	213.6	214.4	213.7	214.2	213.4	213.1	212.3	211.2
47.5°	200.5	200.9	201.1	201.7	201.1	200.9	200.5	200.5	199.4	198.9	198.6
50°	191.4	192.6	192.6	192.3	192.6	192.6	191.4	190.9	190.1	189.2	189.2
52.5°	182.4	182.9	183.8	183.7	183.8	182.9	182.4	181.6	180.7	179.6	179.2
55°	168.4	168.9	169.3	169.5	169.3	168.9	168.4	166.8	166.2	165.6	164.5
57.5°	154.1	153.9	154.9	155.2	154.9	153.9	154.1	152.6	151.7	149.7	149.5
60°	143.9	143.9	145.6	146.2	145.6	143.9	143.9	142.3	140.9	139.6	139.2
62.5°	133.1	133.8	135.5	134.6	135.5	133.8	133.1	131.3	130.2	128.7	127.5
65°	117.3	119.0	118.9	119.7	118.9	119.0	117.3	116.4	114.0	112.6	111.4
67.5°	100.9	101.9	103.4	103.5	103.4	101.9	100.9	99.2	97.7	96.2	94.7
70°	89.7	90.8	91.6	92.2	91.6	90.8	89.7	88.1	86.4	85.3	83.7
72.5°	78.9	79.5	81.5	80.6	81.5	79.5	78.9	77.0	75.6	74.7	72.9
75°	61.9	63.4	64.6	64.0	64.6	63.4	61.9	60.5	59.4	58.1	56.5
77.5°	45.7	47.3	47.8	47.3	47.8	47.3	45.7	44.9	44.3	41.8	41.6
80°	36.1	35.9	37.2	37.0	37.2	35.9	36.1	34.7	33.6	32.2	32.2
82.5°	26.5	26.3	26.8	27.0	26.8	26.3	26.5	25.7	24.3	23.7	23.2
85°	12.8	13.5	12.7	12.5	12.7	13.5	12.8	12.0	12.0	12.0	11.9
87.5°	6.8	6.9	6.8	6.6	6.8	6.9	6.8	6.7	7.3	6.7	6.6
90°	19.0	19.3	19.5	19.9	19.5	19.3	19.0	18.6	18.3	17.7	17.0
92.5°	27.3	27.1	26.9	26.8	26.9	27.1	27.3	27.5	27.3	26.8	26.4
95°	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.4	50.7	50.1
97.5°	79.6	79.5	79.5	79.5	79.5	79.5	79.6	79.6	79.4	78.6	78.0
100°	99.7	100.0	100.3	100.6	100.3	100.0	99.7	99.4	99.1	98.6	98.2
102.5°	122.5	122.4	122.3	122.3	122.3	122.4	122.5	122.5	122.3	121.9	121.5
105°	156.7	156.9	157.2	157.6	157.2	156.9	156.7	156.3	156.2	156.2	156.2
107.5°	194.7	194.6	194.4	194.2	194.4	194.6	194.7	194.9	194.7	194.3	193.8
110°	220.0	219.6	219.4	219.1	219.4	219.6	220.0	220.3	220.1	219.5	218.9



TEST NUMBER: P332097-940

CATALOG NUMBER: S123DIW-S340D755U940-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	245.8	245.7	245.6	245.6	245.6	245.7	245.8	245.8	245.5	244.8	244.1
115°	282.4	282.2	282.1	282.0	282.1	282.2	282.4	282.6	282.6	282.4	282.2
117.5°	320.1	319.7	319.3	318.9	319.3	319.7	320.1	320.6	320.7	320.7	320.8
120°	345.7	345.4	345.1	344.8	345.1	345.4	345.7	346.0	346.3	346.3	346.5
122.5°	371.0	370.5	370.1	369.7	370.1	370.5	371.0	371.4	371.8	372.1	372.6
125°	408.8	408.2	407.6	407.1	407.6	408.2	408.8	409.4	410.0	410.5	411.2
127.5°	446.3	445.6	445.0	444.3	445.0	445.6	446.3	446.9	447.7	448.5	449.3
130°	471.7	470.6	469.7	468.6	469.7	470.6	471.7	472.7	473.5	474.1	474.7
132.5°	496.4	495.6	494.8	494.0	494.8	495.6	496.4	497.2	497.9	498.6	499.4
135°	534.3	534.0	533.8	533.4	533.8	534.0	534.3	534.7	535.1	535.7	536.3
137.5°	570.0	569.4	568.8	568.3	568.8	569.4	570.0	570.5	571.1	571.7	572.3
140°	594.1	593.1	592.1	591.0	592.1	593.1	594.1	595.1	595.8	595.9	596.0
142.5°	616.7	615.9	615.1	614.3	615.1	615.9	616.7	617.5	618.0	618.1	618.3
145°	649.7	649.2	648.5	648.0	648.5	649.2	649.7	650.3	650.7	650.9	650.9
147.5°	680.6	679.7	678.8	677.9	678.8	679.7	680.6	681.4	681.9	681.9	681.9
150°	699.5	698.7	697.9	697.0	697.9	698.7	699.5	700.4	700.9	700.9	700.9
152.5°	717.7	717.0	716.2	715.5	716.2	717.0	717.7	718.5	718.8	718.5	718.4
155°	743.7	742.7	741.6	740.7	741.6	742.7	743.7	744.8	744.9	744.4	743.8
157.5°	766.0	765.2	764.4	763.5	764.4	765.2	766.0	766.8	767.0	766.3	765.7
160°	780.2	779.5	778.9	778.4	778.9	779.5	780.2	780.7	780.6	779.9	779.2
162.5°	792.3	791.4	790.4	789.4	790.4	791.4	792.3	793.3	793.4	792.6	791.8
165°	808.6	807.5	806.6	805.5	806.6	807.5	808.6	809.6	809.7	808.8	807.9
167.5°	821.9	820.9	820.0	819.1	820.0	820.9	821.9	822.8	822.8	821.9	820.9
170°	829.1	828.0	827.1	826.0	827.1	828.0	829.1	830.1	830.1	829.1	828.0
172.5°	834.4	833.4	832.3	831.3	832.3	833.4	834.4	835.4	835.4	834.6	833.7
175°	840.3	839.3	838.3	837.2	838.3	839.3	840.3	841.4	841.4	840.5	839.7
177.5°	842.9	842.0	841.2	840.4	841.2	842.0	842.9	843.7	843.8	843.1	842.4
180°	842.6	842.6	842.6	842.6	842.6	842.6	842.6	842.6	842.6	842.6	842.6



TEST NUMBER: P332097-940

CATALOG NUMBER: S123DIW-S340D755U940-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	428.7	428.7	428.7	428.7	428.7	428.7	428.7	428.7	428.7	428.7	428.7
2.5°	411.2	411.2	414.3	416.3	418.8	420.4	421.6	422.8	424.8	427.4	430.4
5°	387.6	388.4	393.1	397.6	402.0	405.7	408.8	412.6	417.1	422.8	429.0
7.5°	364.9	368.1	372.6	378.3	384.3	389.8	395.3	401.4	408.0	416.2	424.9
10°	350.3	353.7	359.4	366.5	372.9	379.3	386.2	392.8	400.9	410.7	422.0
12.5°	337.4	340.8	346.6	354.3	360.4	367.6	375.4	384.1	393.2	404.8	417.6
15°	319.7	323.7	330.7	334.5	343.8	352.3	359.6	372.0	383.7	395.7	410.5
17.5°	305.1	307.4	313.1	320.0	327.0	336.6	346.1	356.5	368.1	382.8	401.3
20°	295.2	297.0	303.3	310.6	318.1	326.8	335.3	345.7	358.7	374.3	394.3
22.5°	287.8	289.7	293.8	301.6	308.5	315.8	324.3	336.7	350.6	365.9	387.4
25°	276.9	278.1	280.9	287.1	293.3	301.4	308.9	320.6	334.8	352.8	374.3
27.5°	266.6	267.9	270.1	274.6	280.4	287.0	295.2	305.0	319.5	338.9	361.9
30°	260.5	260.7	262.8	267.0	272.0	277.3	284.8	296.0	309.8	329.5	353.6
32.5°	255.2	254.4	255.8	259.0	263.8	269.2	275.4	286.4	299.6	319.0	343.8
35°	246.2	245.8	245.1	247.8	252.0	256.1	261.5	269.8	284.8	302.9	328.9
37.5°	237.0	235.9	234.9	236.1	239.3	243.7	248.3	255.7	268.7	288.6	313.4
40°	230.2	229.3	228.7	228.3	231.2	235.3	238.9	245.9	258.0	276.9	301.4
42.5°	222.7	222.2	221.4	220.8	223.2	226.4	230.1	236.3	248.3	266.1	289.3
45°	210.6	210.3	209.8	209.4	210.9	213.7	216.7	221.2	231.7	248.9	269.8
47.5°	197.2	196.7	196.9	196.2	197.6	199.6	201.6	206.5	216.4	230.4	245.8
50°	187.6	187.3	187.3	187.3	187.8	190.1	192.0	195.7	204.8	218.7	229.8
52.5°	178.4	177.5	177.5	177.9	178.7	180.1	181.3	185.4	193.3	204.8	214.8
55°	164.1	162.5	162.0	162.5	163.1	164.3	165.6	168.9	175.8	184.2	190.1
57.5°	148.2	147.3	146.8	146.9	147.2	148.2	149.2	152.8	158.2	162.6	166.4
60°	137.1	137.5	135.6	136.1	136.1	136.9	138.4	140.6	145.2	148.3	152.0
62.5°	126.6	126.1	125.6	124.9	124.9	125.3	127.2	129.0	133.0	134.6	137.4
65°	110.3	110.3	109.1	109.5	109.7	108.3	109.2	111.4	113.9	114.5	117.2
67.5°	93.8	93.2	92.5	91.8	91.8	91.8	92.3	93.3	95.1	95.4	97.5
70°	82.5	82.0	81.9	81.2	80.4	81.4	80.8	81.9	82.9	83.1	84.4
72.5°	71.5	71.1	70.7	70.1	69.7	69.6	69.6	70.9	71.6	71.3	72.7
75°	55.9	55.5	55.0	54.0	54.0	53.4	53.6	54.4	55.3	54.7	55.9
77.5°	41.0	39.8	39.7	39.9	39.2	39.4	39.1	39.1	39.4	39.4	40.6
80°	31.6	30.1	30.5	30.3	30.1	29.9	29.5	29.7	29.9	30.1	30.8
82.5°	22.7	22.6	22.2	22.2	21.9	21.4	21.2	21.6	21.8	21.7	22.1
85°	11.6	11.0	11.4	11.2	11.4	11.2	10.6	10.6	11.0	10.8	11.2
87.5°	6.8	6.7	6.2	5.9	5.4	5.2	4.6	4.5	4.4	4.1	4.1
90°	16.5	15.9	14.0	12.0	10.2	8.2	6.5	5.1	3.6	2.1	0.6
92.5°	25.9	25.4	24.3	23.3	22.1	21.0	20.0	19.0	18.0	17.0	16.1
95°	49.6	49.0	47.8	46.6	45.5	44.2	43.2	42.2	41.1	40.0	39.1
97.5°	77.3	76.7	75.8	74.9	74.1	73.2	72.4	71.7	70.9	70.1	69.4
100°	97.7	97.3	96.6	95.9	95.1	94.3	93.5	92.6	91.8	90.9	90.0
102.5°	121.0	120.6	119.6	118.7	117.7	116.7	115.9	115.4	114.9	114.4	113.9
105°	156.2	156.2	154.9	153.6	152.2	150.9	150.1	149.8	149.5	149.2	148.9
107.5°	193.3	192.9	192.3	191.8	191.3	190.7	190.4	190.2	190.0	189.8	189.7
110°	218.4	217.8	217.5	217.1	216.9	216.6	216.2	216.0	215.7	215.4	215.1



TEST NUMBER: P332097-940

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CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	243.3	242.6	242.5	242.5	242.5	242.4	242.3	242.1	241.9	241.7	241.6
115°	282.1	282.0	282.2	282.6	282.9	283.1	283.0	282.6	282.1	281.7	281.3
117.5°	320.8	320.8	321.3	321.6	322.0	322.4	322.4	322.2	321.8	321.6	321.3
120°	346.7	346.8	347.6	348.3	349.0	349.7	349.7	348.8	347.9	347.1	346.2
122.5°	372.9	373.3	373.7	374.1	374.4	374.8	374.7	374.1	373.4	372.7	372.1
125°	411.8	412.3	412.6	413.0	413.2	413.5	413.5	413.0	412.6	412.1	411.7
127.5°	450.1	451.0	451.3	451.7	452.0	452.3	452.0	451.0	450.1	449.2	448.2
130°	475.3	475.9	476.4	476.8	477.2	477.7	477.2	476.1	474.9	473.8	472.6
132.5°	500.1	500.8	501.1	501.4	501.8	502.0	501.7	500.4	499.3	498.1	497.0
135°	536.8	537.4	537.6	537.7	537.9	538.1	537.6	536.8	535.9	535.0	534.1
137.5°	572.9	573.5	573.2	572.8	572.4	572.0	571.5	570.8	570.0	569.3	568.6
140°	596.2	596.4	596.2	596.0	595.9	595.8	595.3	594.6	593.9	593.1	592.4
142.5°	618.4	618.6	618.3	618.0	617.8	617.5	617.0	616.3	615.5	614.8	614.1
145°	651.1	651.3	650.9	650.4	650.0	649.5	649.2	648.8	648.5	648.3	648.0
147.5°	681.9	681.9	681.4	681.0	680.6	680.2	679.8	679.2	678.7	678.1	677.6
150°	700.9	700.9	700.6	700.3	700.0	699.7	699.5	699.2	698.8	698.6	698.3
152.5°	718.1	717.8	717.6	717.5	717.3	717.1	716.8	716.5	716.0	715.6	715.2
155°	743.2	742.6	742.4	742.3	742.2	742.0	742.0	742.0	742.0	742.0	742.0
157.5°	765.1	764.5	764.4	764.2	764.1	764.0	764.0	764.2	764.4	764.6	764.7
160°	778.5	777.7	777.7	777.7	777.7	777.7	777.8	778.1	778.5	778.7	779.0
162.5°	791.1	790.4	790.3	790.1	790.1	790.0	790.1	790.5	790.9	791.3	791.8
165°	807.0	806.1	806.1	806.1	806.1	806.1	806.4	806.8	807.3	807.7	808.2
167.5°	820.0	819.1	819.0	818.9	818.8	818.7	818.9	819.5	820.1	820.6	821.3
170°	827.1	826.0	826.0	826.0	826.0	826.0	826.3	826.9	827.5	828.0	828.7
172.5°	832.8	831.8	831.8	831.8	831.8	831.8	832.1	832.7	833.3	833.9	834.5
175°	838.8	837.9	837.9	837.9	837.9	837.9	838.2	838.8	839.4	840.0	840.5
177.5°	841.7	841.0	841.0	841.0	841.0	841.0	841.2	841.7	842.1	842.6	843.1
180°	842.6	842.6	842.6	842.6	842.6	842.6	842.6	842.6	842.6	842.6	842.6



TEST NUMBER: P332097-940

CATALOG NUMBER: S123DIW-S340D755U940-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	428.7	428.7	428.7	428.7	428.7	428.7	428.7	428.7	428.7	428.7	428.7
2.5°	431.4	432.3	435.1	437.1	439.4	440.8	442.0	443.1	444.4	444.7	449.5
5°	433.4	437.5	444.8	450.1	456.8	464.0	469.0	471.4	477.4	482.3	492.3
7.5°	432.8	441.7	452.6	464.0	476.2	487.5	497.3	509.0	517.2	529.7	541.9
10°	432.3	444.2	458.3	472.8	489.8	505.6	519.8	535.6	548.7	565.9	580.6
12.5°	430.8	445.1	464.8	482.0	502.7	524.4	545.4	565.6	577.2	605.9	619.5
15°	427.1	444.2	468.7	494.8	523.3	549.0	575.6	596.8	631.1	656.2	672.3
17.5°	420.1	443.9	473.0	504.5	539.1	573.1	603.2	635.3	671.7	702.1	734.6
20°	416.7	442.9	475.3	510.2	546.2	584.6	618.8	657.5	697.1	727.1	768.7
22.5°	410.5	440.2	475.1	514.0	552.4	592.2	632.3	671.3	717.1	758.3	797.9
25°	400.6	433.7	469.9	513.4	558.4	598.2	646.3	698.0	745.7	798.8	838.2
27.5°	389.9	425.4	461.6	502.0	550.5	597.9	658.3	716.7	775.1	820.8	850.1
30°	381.8	416.3	453.7	494.5	542.4	598.7	666.2	730.0	786.9	826.2	842.6
32.5°	373.0	408.0	441.0	483.8	534.9	598.2	671.2	737.8	787.6	813.7	810.5
35°	359.2	388.4	420.7	461.8	522.0	594.5	674.1	738.5	769.0	763.4	721.0
37.5°	339.2	363.9	395.6	440.6	507.1	586.8	668.2	716.6	714.6	669.0	607.5
40°	326.8	347.8	378.3	425.6	495.4	581.8	659.2	690.5	664.0	600.1	526.6
42.5°	310.5	329.8	360.3	409.0	482.7	571.8	641.7	650.8	598.8	525.4	458.0
45°	285.3	302.3	333.9	384.1	463.4	549.7	599.1	576.8	506.8	431.1	379.8
47.5°	258.1	275.8	306.1	357.8	435.7	516.5	540.0	492.8	420.9	359.4	312.3
50°	240.9	258.0	287.8	339.8	417.0	489.2	499.0	437.9	371.8	317.8	279.2
52.5°	223.7	239.7	268.9	321.3	395.0	457.6	451.7	389.4	328.7	282.6	252.3
55°	198.0	213.1	240.9	290.0	357.1	406.7	385.0	325.6	275.3	239.5	216.4
57.5°	175.0	189.5	213.5	257.8	316.1	350.3	322.5	272.4	232.5	204.9	187.8
60°	159.3	172.2	195.1	236.2	286.9	312.8	285.4	241.2	207.5	185.5	170.1
62.5°	144.5	155.8	176.9	214.3	258.3	280.1	252.4	214.9	186.3	166.7	153.6
65°	122.2	132.3	151.1	180.1	216.2	230.8	206.9	176.6	154.4	139.8	131.1
67.5°	101.7	110.4	126.5	149.4	176.0	186.5	168.4	144.9	128.1	116.5	109.6
70°	88.1	95.6	108.3	128.0	152.0	160.2	143.1	123.8	111.6	102.2	95.8
72.5°	76.6	82.1	93.6	108.9	128.9	135.4	123.5	106.6	95.1	88.1	82.9
75°	58.4	63.0	70.4	82.7	96.6	100.3	91.4	80.8	73.1	68.1	64.2
77.5°	42.1	45.5	50.8	58.4	68.0	71.4	65.8	58.7	53.1	49.8	47.5
80°	31.7	34.5	39.1	45.3	51.1	53.0	49.7	44.2	40.3	38.4	36.6
82.5°	23.5	25.0	27.7	32.0	35.9	38.2	35.4	32.1	30.0	28.3	27.6
85°	11.9	12.7	13.9	15.6	18.1	18.9	17.8	17.0	15.8	14.7	14.7
87.5°	4.7	5.1	5.8	6.4	7.5	8.4	8.6	8.6	8.8	8.7	8.7
90°	2.1	3.6	5.1	6.5	8.2	10.2	12.0	14.0	15.9	16.5	17.0
92.5°	17.0	18.0	19.0	20.0	21.0	22.1	23.3	24.3	25.4	25.9	26.4
95°	40.0	41.1	42.2	43.2	44.2	45.5	46.6	47.8	49.0	49.6	50.1
97.5°	70.1	70.9	71.7	72.4	73.2	74.1	74.9	75.8	76.7	77.3	78.0
100°	90.9	91.8	92.6	93.5	94.3	95.1	95.9	96.6	97.3	97.7	98.2
102.5°	114.4	114.9	115.4	115.9	116.7	117.7	118.7	119.6	120.6	121.0	121.5
105°	149.2	149.5	149.8	150.1	150.9	152.2	153.6	154.9	156.2	156.2	156.2
107.5°	189.8	190.0	190.2	190.4	190.7	191.3	191.8	192.3	192.9	193.3	193.8
110°	215.4	215.7	216.0	216.2	216.6	216.9	217.1	217.5	217.8	218.4	218.9



TEST NUMBER: P332097-940

CATALOG NUMBER: S123DIW-S340D755U940-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	241.7	241.9	242.1	242.3	242.4	242.5	242.5	242.5	242.6	243.3	244.1
115°	281.7	282.1	282.6	283.0	283.1	282.9	282.6	282.2	282.0	282.1	282.2
117.5°	321.6	321.8	322.2	322.4	322.4	322.0	321.6	321.3	320.8	320.8	320.8
120°	347.1	347.9	348.8	349.7	349.7	349.0	348.3	347.6	346.8	346.7	346.5
122.5°	372.7	373.4	374.1	374.7	374.8	374.4	374.1	373.7	373.3	372.9	372.6
125°	412.1	412.6	413.0	413.5	413.5	413.2	413.0	412.6	412.3	411.8	411.2
127.5°	449.2	450.1	451.0	452.0	452.3	452.0	451.7	451.3	451.0	450.1	449.3
130°	473.8	474.9	476.1	477.2	477.7	477.2	476.8	476.4	475.9	475.3	474.7
132.5°	498.1	499.3	500.4	501.7	502.0	501.8	501.4	501.1	500.8	500.1	499.4
135°	535.0	535.9	536.8	537.6	538.1	537.9	537.7	537.6	537.4	536.8	536.3
137.5°	569.3	570.0	570.8	571.5	572.0	572.4	572.8	573.2	573.5	572.9	572.3
140°	593.1	593.9	594.6	595.3	595.8	595.9	596.0	596.2	596.4	596.2	596.0
142.5°	614.8	615.5	616.3	617.0	617.5	617.8	618.0	618.3	618.6	618.4	618.3
145°	648.3	648.5	648.8	649.2	649.5	650.0	650.4	650.9	651.3	651.1	650.9
147.5°	678.1	678.7	679.2	679.8	680.2	680.6	681.0	681.4	681.9	681.9	681.9
150°	698.6	698.8	699.2	699.5	699.7	700.0	700.3	700.6	700.9	700.9	700.9
152.5°	715.6	716.0	716.5	716.8	717.1	717.3	717.5	717.6	717.8	718.1	718.4
155°	742.0	742.0	742.0	742.0	742.0	742.2	742.3	742.4	742.6	743.2	743.8
157.5°	764.6	764.4	764.2	764.0	764.0	764.1	764.2	764.4	764.5	765.1	765.7
160°	778.7	778.5	778.1	777.8	777.7	777.7	777.7	777.7	777.7	778.5	779.2
162.5°	791.3	790.9	790.5	790.1	790.0	790.1	790.1	790.3	790.4	791.1	791.8
165°	807.7	807.3	806.8	806.4	806.1	806.1	806.1	806.1	806.1	807.0	807.9
167.5°	820.6	820.1	819.5	818.9	818.7	818.8	818.9	819.0	819.1	820.0	820.9
170°	828.0	827.5	826.9	826.3	826.0	826.0	826.0	826.0	826.0	827.1	828.0
172.5°	833.9	833.3	832.7	832.1	831.8	831.8	831.8	831.8	831.8	832.8	833.7
175°	840.0	839.4	838.8	838.2	837.9	837.9	837.9	837.9	837.9	838.8	839.7
177.5°	842.6	842.1	841.7	841.2	841.0	841.0	841.0	841.0	841.0	841.7	842.4
180°	842.6	842.6	842.6	842.6	842.6	842.6	842.6	842.6	842.6	842.6	842.6



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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	428.7	428.7	428.7	428.7	428.7	428.7	428.7
2.5°	451.2	451.4	453.2	454.5	453.9	454.7	455.0
5°	492.9	500.4	504.4	507.3	507.5	507.7	509.3
7.5°	552.1	560.2	566.1	575.0	577.6	580.6	579.8
10°	595.4	607.3	617.4	622.8	628.7	637.1	630.3
12.5°	635.8	656.7	672.3	680.6	686.1	687.8	684.5
15°	702.4	729.8	744.5	744.1	762.8	770.9	758.2
17.5°	763.4	788.7	809.0	819.4	835.0	838.4	836.9
20°	800.8	828.5	844.3	862.1	870.2	877.4	878.7
22.5°	833.0	857.9	874.9	889.7	896.4	899.9	902.0
25°	866.3	885.8	896.0	901.2	903.0	902.6	899.9
27.5°	864.0	865.5	854.3	843.3	833.4	822.3	818.5
30°	841.5	824.1	792.9	775.3	749.3	728.7	737.1
32.5°	782.6	747.8	712.8	674.2	642.3	633.2	624.0
35°	667.9	606.8	571.1	529.5	512.9	496.3	484.8
37.5°	540.3	493.1	450.7	423.6	406.9	396.4	390.7
40°	467.2	424.6	389.7	367.7	355.0	343.2	341.5
42.5°	408.8	369.3	343.0	325.5	313.3	308.3	304.6
45°	334.8	307.3	289.6	277.1	269.0	265.9	261.7
47.5°	283.5	263.9	250.7	242.2	236.0	233.7	233.4
50°	254.7	238.4	228.7	222.0	217.3	216.4	213.1
52.5°	233.1	219.0	211.4	205.6	202.2	199.8	198.9
55°	202.3	193.0	186.1	182.8	180.1	177.8	177.8
57.5°	177.0	169.2	164.7	161.8	161.0	159.4	158.4
60°	161.4	154.8	151.2	148.7	147.0	147.3	145.4
62.5°	146.2	141.8	138.4	136.0	133.9	134.0	134.1
65°	124.4	121.1	118.6	117.8	116.5	115.1	115.5
67.5°	105.5	102.4	100.4	99.0	98.5	97.7	99.0
70°	91.8	89.5	88.1	86.9	86.4	86.6	87.7
72.5°	79.4	77.8	76.8	76.2	75.3	75.3	76.1
75°	62.3	61.1	60.3	59.7	59.4	59.4	59.4
77.5°	45.7	45.5	45.1	44.2	44.2	44.5	44.5
80°	36.1	35.5	35.3	34.9	34.2	33.9	34.9
82.5°	27.0	26.4	26.2	26.1	25.1	25.1	25.9
85°	14.5	13.9	14.1	13.9	13.9	13.7	13.7
87.5°	8.6	8.6	8.6	8.7	8.6	8.6	8.9
90°	17.7	18.3	18.6	19.0	19.3	19.5	19.9
92.5°	26.8	27.3	27.5	27.3	27.1	26.9	26.8
95°	50.7	51.4	51.6	51.6	51.6	51.6	51.6
97.5°	78.6	79.4	79.6	79.6	79.5	79.5	79.5
100°	98.6	99.1	99.4	99.7	100.0	100.3	100.6
102.5°	121.9	122.3	122.5	122.5	122.4	122.3	122.3
105°	156.2	156.2	156.3	156.7	156.9	157.2	157.6
107.5°	194.3	194.7	194.9	194.7	194.6	194.4	194.2
110°	219.5	220.1	220.3	220.0	219.6	219.4	219.1



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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
112.5°	244.8	245.5	245.8	245.8	245.7	245.6	245.6
115°	282.4	282.6	282.6	282.4	282.2	282.1	282.0
117.5°	320.7	320.7	320.6	320.1	319.7	319.3	318.9
120°	346.3	346.3	346.0	345.7	345.4	345.1	344.8
122.5°	372.1	371.8	371.4	371.0	370.5	370.1	369.7
125°	410.5	410.0	409.4	408.8	408.2	407.6	407.1
127.5°	448.5	447.7	446.9	446.3	445.6	445.0	444.3
130°	474.1	473.5	472.7	471.7	470.6	469.7	468.6
132.5°	498.6	497.9	497.2	496.4	495.6	494.8	494.0
135°	535.7	535.1	534.7	534.3	534.0	533.8	533.4
137.5°	571.7	571.1	570.5	570.0	569.4	568.8	568.3
140°	595.9	595.8	595.1	594.1	593.1	592.1	591.0
142.5°	618.1	618.0	617.5	616.7	615.9	615.1	614.3
145°	650.9	650.7	650.3	649.7	649.2	648.5	648.0
147.5°	681.9	681.9	681.4	680.6	679.7	678.8	677.9
150°	700.9	700.9	700.4	699.5	698.7	697.9	697.0
152.5°	718.5	718.8	718.5	717.7	717.0	716.2	715.5
155°	744.4	744.9	744.8	743.7	742.7	741.6	740.7
157.5°	766.3	767.0	766.8	766.0	765.2	764.4	763.5
160°	779.9	780.6	780.7	780.2	779.5	778.9	778.4
162.5°	792.6	793.4	793.3	792.3	791.4	790.4	789.4
165°	808.8	809.7	809.6	808.6	807.5	806.6	805.5
167.5°	821.9	822.8	822.8	821.9	820.9	820.0	819.1
170°	829.1	830.1	830.1	829.1	828.0	827.1	826.0
172.5°	834.6	835.4	835.4	834.4	833.4	832.3	831.3
175°	840.5	841.4	841.4	840.3	839.3	838.3	837.2
177.5°	843.1	843.8	843.7	842.9	842.0	841.2	840.4
180°	842.6	842.6	842.6	842.6	842.6	842.6	842.6

(END OF REPORT)