

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: P332394-940

Luminaire Tested: **S123RDIW-S340D755U940-4F0-1E-UDD-A**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P332394-940
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: S123RDIW-S340D755U940-4F0-1E-UDD-A
Description: DEFINE 3 DIRECT-INDIRECT WALL MOUNT LED LUMINAIRE
DOWNLIGHT 340 LUMENS PER FOOT, ASYMMETRIC DIFFUSER, REGRESSED HOUSING
UPLIGHT 755 LUMENS PER FOOT, NO LENS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3904.2 lumens
Efficiency: N/A
Efficacy: 128.4 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

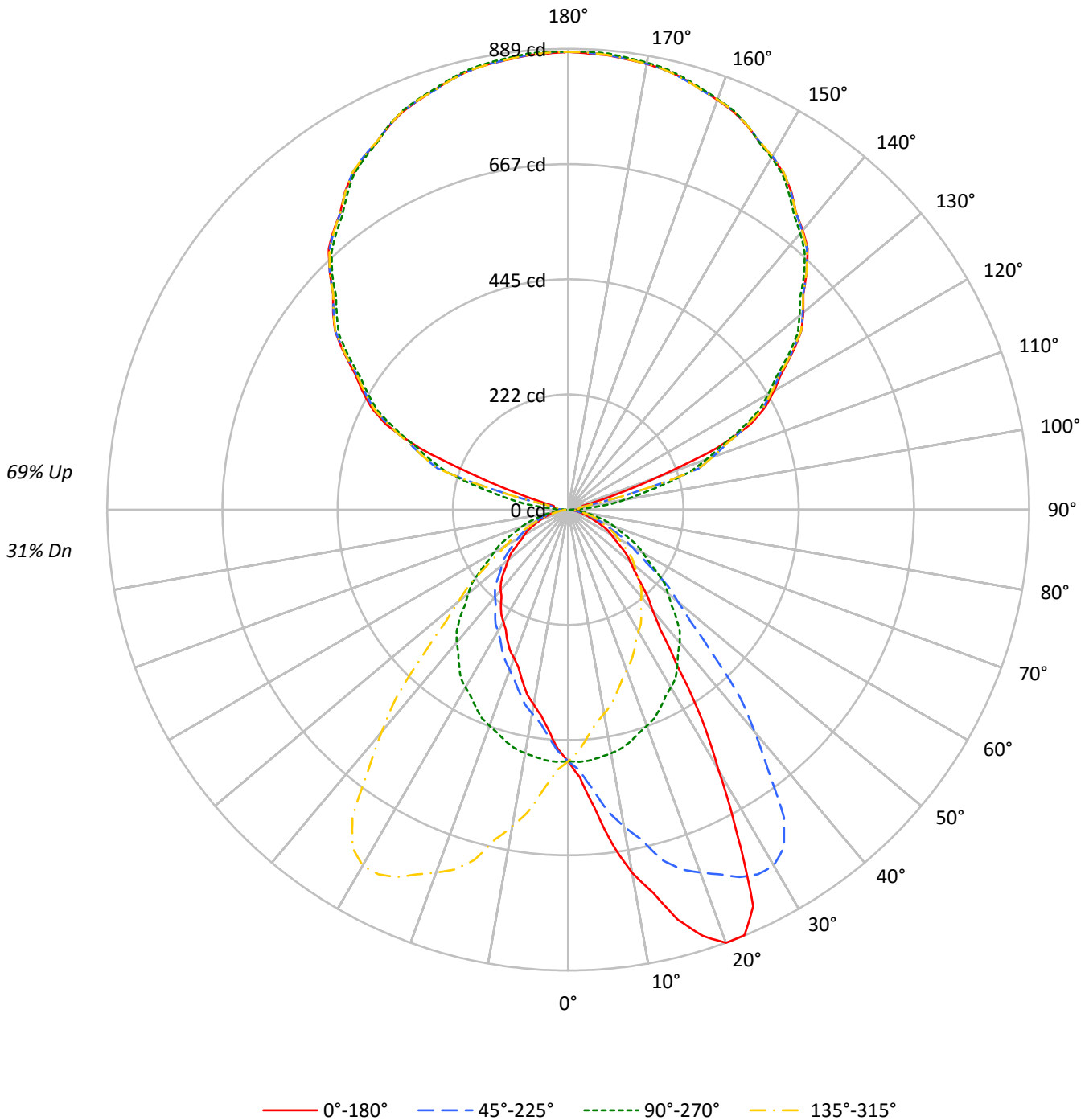
Input Watts (W): 30.4
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Luminous Intensity Polar Plot





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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	103	103	103	103	92	92	92	92	73	73	73	55	55	55	39	39	39	31
1	94	90	86	83	84	81	78	75	64	62	60	49	48	46	35	34	33	27
2	86	79	73	68	77	71	66	62	57	53	50	43	41	39	31	30	29	23
3	78	70	63	57	70	63	57	52	50	46	43	39	36	34	28	26	25	20
4	72	62	54	49	64	56	49	45	45	40	37	35	31	29	25	23	22	17
5	66	55	47	42	59	50	43	38	40	35	32	31	28	25	23	21	19	15
6	61	49	42	36	54	45	38	33	36	31	28	28	25	22	21	18	17	14
7	56	44	37	32	50	40	34	29	33	28	24	26	22	20	19	17	15	12
8	52	40	33	28	47	37	30	26	30	25	22	23	20	18	17	15	14	11
9	48	37	30	25	44	34	27	23	27	23	19	22	18	16	16	14	12	10
10	45	34	27	22	41	31	25	21	25	21	17	20	17	14	15	13	11	9

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	5224	5224	5224	5224
5°	6227	5246	4620	5246
10°	7774	5216	4173	5216
15°	9126	5162	3806	5162
20°	10186	5082	3494	5082
25°	10023	4999	3301	4999
30°	7204	4922	3104	4922
35°	4809	4820	2975	4820
40°	3544	4700	2843	4700
45°	2973	4488	2714	4488
50°	2624	4210	2532	4210
55°	2301	3890	2284	3890
60°	2047	3587	2093	3587
65°	1798	3260	1946	3260
70°	1413	2968	1778	2968
75°	1243	2591	1626	2591
80°	1085	2201	1599	2201
85°	865	1778	1692	1778



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	47.7	1.2
10°-20°	149.1	3.8
20°-30°	234.2	6.0
30°-40°	244.4	6.3
40°-50°	209.1	5.4
50°-60°	159.4	4.1
60°-70°	102.2	2.6
70°-80°	49.1	1.3
80°-90°	15.5	0.4
90°-100°	32.1	0.8
100°-110°	153.0	3.9
110°-120°	367.6	9.4
120°-130°	468.1	12.0
130°-140°	500.2	12.8
140°-150°	467.7	12.0
150°-160°	377.3	9.7
160°-170°	243.5	6.2
170°-180°	83.9	2.1
0°-30°	431.1	11.0
0°-40°	675.4	17.3
0°-60°	1044.0	26.7
0°-90°	1210.8	31.0
90°-120°	552.8	14.2
90°-150°	1988.7	50.9
90°-180°	2693.0	69.0
0°-180°	3904.2	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	485	485	485	485	485	
5°	576	486	428	486	576	59
15°	819	463	342	463	819	232
25°	844	421	278	421	844	363
35°	366	367	226	367	366	240
45°	195	295	178	295	195	154
55°	123	207	122	207	123	111
65°	71	128	76	128	71	69
75°	30	62	39	62	30	32
85°	7	14	14	14	7	9
90°	20	1	20	1	20	9
95°	25	40	25	40	25	21
105°	29	196	29	196	29	66
115°	386	367	386	367	386	357
125°	528	517	528	517	528	471
135°	650	644	650	644	650	501
145°	750	743	750	743	750	468
155°	817	818	817	818	817	377
165°	861	863	861	863	861	243
175°	880	883	880	883	880	84
180°	883	883	883	883	883	



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	485.3	485.3	485.3	485.3	485.3	485.3	485.3	485.3	485.3	485.3	485.3
2.5°	516.9	517.5	515.4	515.1	512.6	511.9	511.9	508.4	506.2	503.5	501.8
5°	576.3	579.6	577.9	574.3	568.0	566.5	562.6	556.3	549.3	540.6	536.5
7.5°	650.5	655.1	653.3	647.6	641.0	635.7	624.6	614.2	599.8	587.0	576.1
10°	711.3	706.6	702.8	697.2	691.2	681.4	669.8	653.8	635.3	620.7	604.6
12.5°	756.9	756.1	751.4	745.6	737.1	727.8	713.5	694.0	672.5	651.5	632.9
15°	818.9	820.2	817.1	811.1	799.0	782.6	761.0	752.9	722.1	699.3	676.5
17.5°	861.9	861.7	861.2	852.9	840.6	828.9	808.9	787.6	759.7	727.5	696.8
20°	889.2	887.1	887.5	878.2	869.1	855.5	836.0	805.0	782.2	745.0	713.2
22.5°	888.5	888.1	889.7	886.4	879.9	869.5	854.1	828.0	798.8	761.3	725.5
25°	843.9	842.2	851.9	854.7	865.3	867.2	862.6	848.3	820.6	781.9	737.7
27.5°	706.2	705.3	723.4	746.2	774.9	797.3	818.9	829.3	820.6	792.9	748.6
30°	579.6	599.1	608.3	641.1	677.7	721.3	759.6	795.9	804.9	792.7	756.4
32.5°	481.3	498.3	506.0	534.0	568.2	619.3	676.6	728.1	764.5	773.6	751.8
35°	366.0	366.2	383.7	396.2	427.8	480.3	536.0	604.9	673.5	725.5	730.8
37.5°	292.1	293.1	303.7	316.1	339.8	367.6	416.6	473.9	553.1	632.8	679.7
40°	252.2	254.0	262.0	274.2	291.2	312.3	350.4	404.5	470.6	559.3	631.8
42.5°	226.6	229.6	233.7	243.2	253.7	273.4	304.3	346.0	406.1	490.0	573.6
45°	195.3	197.0	200.1	204.5	214.0	227.7	248.4	276.5	326.4	393.9	477.6
47.5°	172.3	171.4	174.7	178.2	184.6	193.9	207.9	230.7	266.3	320.5	391.5
50°	156.7	156.4	158.7	161.4	167.5	174.3	185.7	203.0	231.2	276.1	341.2
52.5°	142.0	142.8	144.5	147.8	152.1	157.7	167.9	180.4	204.6	243.3	297.6
55°	122.6	123.2	125.5	127.3	130.5	136.1	142.5	152.9	169.5	196.5	241.2
57.5°	106.1	105.8	108.0	108.5	112.0	116.5	121.5	129.7	141.7	161.8	191.8
60°	95.1	94.5	96.4	97.8	99.7	103.4	107.6	115.5	125.1	139.8	165.6
62.5°	85.2	84.9	86.2	87.7	89.3	92.6	96.1	102.2	109.8	122.2	142.7
65°	70.6	71.2	71.9	72.5	73.3	75.4	78.7	82.9	88.1	96.8	111.6
67.5°	55.6	56.2	56.4	57.6	59.4	60.7	62.8	66.4	70.1	77.4	85.8
70°	44.9	44.7	44.9	45.5	47.8	50.0	52.8	55.5	57.8	63.0	70.0
72.5°	38.5	38.2	38.7	38.9	39.9	40.6	42.3	44.9	47.8	51.3	56.4
75°	29.9	29.9	29.9	29.9	30.8	31.1	31.7	32.4	33.4	35.1	38.9
77.5°	22.1	22.1	22.5	22.6	22.8	23.1	23.5	24.1	24.4	25.3	26.9
80°	17.5	17.7	17.5	17.7	17.7	18.1	18.3	18.9	19.1	20.2	20.8
82.5°	13.1	13.0	13.1	13.4	13.4	13.7	13.8	14.3	14.3	14.8	15.4
85°	7.0	6.7	7.0	6.9	7.3	6.9	7.0	7.5	7.5	7.7	8.6
87.5°	5.6	5.9	5.4	5.6	5.5	5.6	5.5	5.4	5.6	5.4	5.1
90°	19.7	19.4	19.1	18.8	18.5	18.1	17.5	16.9	16.3	15.8	13.8
92.5°	21.8	21.6	21.4	21.2	21.0	20.5	19.6	18.6	17.7	16.8	15.3
95°	25.0	25.0	25.0	25.0	25.0	24.4	23.4	22.4	21.4	20.3	18.7
97.5°	27.0	26.9	26.8	26.6	26.5	25.8	24.6	23.5	22.3	21.1	31.7
100°	27.6	27.4	27.3	27.1	27.0	26.3	25.1	24.0	22.8	21.7	44.4
102.5°	28.1	27.8	27.6	27.3	27.0	28.7	32.4	35.9	39.6	43.2	68.0
105°	28.9	28.6	28.3	28.0	27.7	40.5	66.3	92.1	117.9	143.7	156.9
107.5°	90.7	110.1	129.6	149.0	168.5	187.7	206.6	225.5	244.4	263.4	261.4
110°	180.5	201.3	222.1	243.0	263.9	276.7	281.5	286.3	291.1	296.0	294.4



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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	309.6	314.0	318.4	322.8	327.2	329.4	329.3	329.2	329.1	329.0	327.4
115°	385.8	385.2	384.7	384.1	383.5	382.5	381.0	379.6	378.1	376.7	375.3
117.5°	428.6	428.5	428.4	428.3	428.1	427.5	426.3	425.2	424.0	422.8	422.1
120°	458.0	458.0	458.0	458.0	458.0	457.4	456.3	455.1	454.0	452.7	452.4
122.5°	486.9	486.8	486.6	486.5	486.4	486.0	485.1	484.3	483.5	482.7	482.1
125°	527.5	527.3	527.0	526.7	526.4	526.1	525.8	525.5	525.2	525.0	524.3
127.5°	566.7	566.9	567.2	567.6	567.8	567.8	567.3	566.9	566.3	565.9	565.2
130°	591.8	592.2	592.5	592.7	593.1	592.9	592.3	591.7	591.1	590.6	590.0
132.5°	614.9	615.4	615.8	616.2	616.6	616.5	615.9	615.4	614.7	614.2	613.7
135°	650.2	650.7	651.1	651.6	652.0	652.0	651.6	651.1	650.7	650.2	649.7
137.5°	683.5	683.8	684.0	684.4	684.7	684.5	683.8	683.1	682.3	681.6	681.4
140°	703.4	703.7	704.0	704.3	704.6	704.5	703.8	703.3	702.7	702.1	701.7
142.5°	721.8	722.2	722.6	723.0	723.4	723.4	722.9	722.5	722.0	721.6	721.1
145°	750.0	750.0	750.0	750.0	750.0	749.8	749.6	749.3	748.9	748.7	748.4
147.5°	771.0	771.7	772.3	773.0	773.6	773.9	773.6	773.3	773.0	772.7	772.4
150°	786.8	787.2	787.6	788.1	788.5	788.5	788.3	788.0	787.7	787.4	787.1
152.5°	799.3	800.0	800.7	801.4	802.0	802.1	801.6	801.0	800.5	800.0	799.9
155°	816.9	817.8	818.7	819.6	820.5	820.6	819.7	819.0	818.3	817.6	817.4
157.5°	831.8	832.9	834.0	835.2	836.3	836.4	835.5	834.7	833.8	832.9	833.1
160°	841.2	842.2	843.3	844.3	845.3	845.3	844.5	843.6	842.8	841.9	842.0
162.5°	850.2	851.0	851.9	852.8	853.7	853.7	852.7	851.8	850.8	849.7	849.9
165°	860.9	861.9	862.9	864.0	865.0	864.9	863.7	862.6	861.4	860.2	860.4
167.5°	868.6	869.8	870.9	872.2	873.3	873.3	872.2	870.9	869.8	868.6	868.6
170°	873.3	874.5	875.7	876.9	878.1	878.1	876.9	875.7	874.5	873.3	873.3
172.5°	876.0	877.3	878.6	879.9	881.1	881.2	880.0	878.9	877.7	876.6	876.4
175°	879.9	881.1	882.3	883.4	884.6	884.7	883.7	882.6	881.6	880.6	880.5
177.5°	881.1	882.3	883.4	884.6	885.7	885.9	884.9	884.0	883.1	882.2	882.1
180°	883.2	883.2	883.2	883.2	883.2	883.2	883.2	883.2	883.2	883.2	883.2



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CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	485.3	485.3	485.3	485.3	485.3	485.3	485.3	485.3	485.3	485.3	485.3
2.5°	501.1	500.6	498.3	495.6	492.1	489.8	487.9	487.0	483.9	480.3	477.9
5°	532.1	525.8	519.2	511.0	503.5	495.9	491.2	485.5	478.7	471.0	465.6
7.5°	565.2	552.9	539.8	526.2	512.8	500.8	490.1	481.0	470.1	459.1	451.4
10°	590.7	572.7	554.3	535.4	518.2	501.9	489.5	477.2	464.1	451.5	441.8
12.5°	613.8	590.2	568.9	545.6	523.6	504.3	486.3	471.9	456.1	442.6	431.8
15°	643.0	618.8	593.2	557.8	528.5	504.0	482.1	463.2	444.2	427.6	417.0
17.5°	670.3	634.1	599.4	570.0	531.9	501.3	474.7	452.1	431.1	413.5	400.4
20°	681.6	646.5	608.9	571.3	534.0	499.6	468.7	443.7	422.0	402.0	389.9
22.5°	688.4	648.7	609.0	568.6	529.0	493.3	462.7	435.2	411.6	392.7	377.8
25°	696.3	649.0	605.4	565.5	525.0	486.3	450.0	420.9	395.4	375.2	359.4
27.5°	701.6	645.9	594.3	550.0	508.9	470.5	437.1	406.3	380.3	359.0	342.1
30°	702.6	643.4	585.9	537.9	496.1	460.7	425.4	396.0	368.5	345.9	330.1
32.5°	703.9	637.2	574.4	523.4	480.6	445.7	413.7	385.5	357.4	335.1	319.0
35°	698.5	633.8	557.0	498.4	455.6	421.7	392.9	366.8	339.3	317.6	301.2
37.5°	674.8	620.4	539.0	470.2	425.4	394.1	370.6	347.9	322.6	299.3	283.8
40°	651.1	607.1	525.0	453.1	406.4	374.2	352.9	334.5	310.0	288.1	271.5
42.5°	615.7	588.9	511.7	435.2	384.8	353.7	335.8	318.5	297.0	274.8	259.2
45°	550.7	554.3	484.5	406.5	354.8	323.7	306.8	294.8	275.7	257.4	241.4
47.5°	469.3	502.3	452.5	376.1	323.3	294.1	279.4	268.9	255.9	238.0	223.4
50°	416.2	463.2	427.0	355.7	303.5	274.5	259.9	251.4	240.1	226.0	212.1
52.5°	367.1	417.8	396.0	332.9	282.0	255.5	241.3	234.3	225.3	212.0	199.5
55°	299.3	350.7	345.7	298.5	249.9	226.0	215.3	207.3	201.3	191.4	181.4
57.5°	242.2	290.8	293.4	260.3	221.6	198.0	188.7	182.7	178.8	171.3	162.0
60°	206.1	250.7	259.5	234.5	201.3	180.6	171.4	166.6	163.5	157.5	150.4
62.5°	176.2	214.2	224.1	206.2	181.9	162.4	155.2	150.7	148.6	143.4	137.1
65°	134.8	166.4	175.9	166.0	153.3	137.8	131.9	128.0	126.1	123.2	118.6
67.5°	101.4	124.4	134.9	127.9	123.2	113.4	109.8	107.6	105.9	104.0	100.1
70°	81.4	98.4	109.2	107.5	103.7	98.4	95.8	94.3	92.6	91.0	87.7
72.5°	65.5	77.2	87.3	88.3	85.2	84.2	81.8	81.1	80.2	78.2	76.3
75°	43.4	51.5	58.6	61.3	62.5	63.6	62.5	62.3	62.2	60.5	59.4
77.5°	28.4	32.8	37.3	41.9	43.9	45.2	45.6	46.4	45.7	44.9	44.4
80°	21.8	22.8	25.9	29.9	33.0	34.2	35.1	35.5	35.3	35.1	34.2
82.5°	15.9	16.7	18.2	21.0	23.5	25.6	26.1	26.0	26.5	26.7	25.9
85°	8.6	8.7	9.2	9.5	11.0	13.3	13.9	14.4	14.7	14.7	13.5
87.5°	5.1	4.5	4.5	4.1	4.4	4.2	4.9	5.4	5.9	5.5	5.8
90°	11.9	10.1	8.2	6.5	5.0	3.6	2.1	0.6	2.1	3.6	5.0
92.5°	13.9	12.5	11.1	10.6	11.0	11.4	11.8	12.2	11.8	11.4	11.0
95°	17.1	15.5	13.9	16.1	22.1	28.1	34.1	40.0	34.1	28.1	22.1
97.5°	42.1	52.6	63.1	69.7	72.4	75.1	77.8	80.4	77.8	75.1	72.4
100°	67.1	89.9	112.6	122.5	119.7	116.7	113.8	110.9	113.8	116.7	119.7
102.5°	92.8	117.7	142.6	153.9	151.9	149.7	147.7	145.5	147.7	149.7	151.9
105°	170.0	183.1	196.2	202.0	200.4	198.8	197.2	195.6	197.2	198.8	200.4
107.5°	259.2	257.2	255.1	253.4	252.2	250.8	249.6	248.3	249.6	250.8	252.2
110°	292.7	291.1	289.5	288.1	287.0	285.8	284.6	283.5	284.6	285.8	287.0



TEST NUMBER: P332394-940

CATALOG NUMBER: S123RDIW-S340D755U940-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	325.8	324.2	322.6	321.3	320.2	319.1	318.1	317.1	318.1	319.1	320.2
115°	374.0	372.7	371.4	370.3	369.4	368.5	367.7	366.8	367.7	368.5	369.4
117.5°	421.5	420.8	420.2	419.3	418.2	417.1	416.1	415.0	416.1	417.1	418.2
120°	451.9	451.5	451.0	450.1	448.8	447.5	446.2	444.9	446.2	447.5	448.8
122.5°	481.6	481.0	480.5	479.7	478.6	477.5	476.4	475.4	476.4	477.5	478.6
125°	523.8	523.2	522.6	521.7	520.6	519.4	518.3	517.1	518.3	519.4	520.6
127.5°	564.5	563.8	563.1	562.1	561.0	559.8	558.7	557.5	558.7	559.8	561.0
130°	589.4	588.8	588.3	587.4	586.2	585.1	583.9	582.6	583.9	585.1	586.2
132.5°	613.2	612.8	612.3	611.5	610.3	609.1	608.0	606.8	608.0	609.1	610.3
135°	649.1	648.5	647.9	647.2	646.3	645.4	644.6	643.7	644.6	645.4	646.3
137.5°	681.0	680.6	680.4	679.7	678.5	677.4	676.3	675.2	676.3	677.4	678.5
140°	701.2	700.8	700.3	699.7	698.8	697.9	697.1	696.2	697.1	697.9	698.8
142.5°	720.7	720.2	719.8	719.2	718.3	717.4	716.5	715.6	716.5	717.4	718.3
145°	748.1	747.8	747.5	746.9	745.8	744.8	743.8	742.8	743.8	744.8	745.8
147.5°	772.1	771.9	771.5	771.1	770.3	769.7	769.0	768.4	769.0	769.7	770.3
150°	786.8	786.6	786.2	785.9	785.4	785.0	784.5	784.2	784.5	785.0	785.4
152.5°	799.7	799.5	799.3	799.2	798.9	798.7	798.5	798.3	798.5	798.7	798.9
155°	817.3	817.2	817.0	817.1	817.3	817.7	818.0	818.2	818.0	817.7	817.3
157.5°	833.2	833.4	833.6	833.7	833.7	833.7	833.7	833.7	833.7	833.7	833.7
160°	842.1	842.3	842.5	842.6	842.8	842.9	843.0	843.2	843.0	842.9	842.8
162.5°	850.1	850.2	850.3	850.6	851.0	851.3	851.8	852.1	851.8	851.3	851.0
165°	860.5	860.7	860.9	861.1	861.6	862.0	862.5	862.9	862.5	862.0	861.6
167.5°	868.6	868.6	868.6	869.0	869.5	870.1	870.7	871.3	870.7	870.1	869.5
170°	873.3	873.3	873.3	873.7	874.2	874.9	875.4	876.0	875.4	874.9	874.2
172.5°	876.3	876.2	876.0	876.4	877.1	877.7	878.4	879.1	878.4	877.7	877.1
175°	880.3	880.1	880.0	880.3	881.0	881.7	882.4	883.2	882.4	881.7	881.0
177.5°	881.9	881.8	881.7	881.9	882.5	883.1	883.7	884.2	883.7	883.1	882.5
180°	883.2	883.2	883.2	883.2	883.2	883.2	883.2	883.2	883.2	883.2	883.2



TEST NUMBER: P332394-940

CATALOG NUMBER: S123RDIW-S340D755U940-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	485.3	485.3	485.3	485.3	485.3	485.3	485.3	485.3	485.3	485.3	485.3
2.5°	477.0	474.8	473.3	470.0	467.9	465.6	463.2	464.7	464.5	464.4	464.4
5°	461.0	456.2	451.8	446.2	442.7	438.4	435.1	434.6	435.4	432.6	430.9
7.5°	445.1	438.6	432.4	426.2	419.6	414.4	411.2	409.6	407.5	405.7	403.9
10°	434.0	426.3	420.3	412.6	405.6	399.3	395.4	392.6	391.2	389.8	387.0
12.5°	422.5	415.0	407.3	398.6	391.9	384.7	381.7	378.7	375.9	374.3	370.6
15°	405.7	396.0	387.9	378.7	371.2	364.2	360.1	354.0	353.2	351.1	347.3
17.5°	388.9	378.4	367.1	360.3	352.0	344.6	338.2	336.3	330.3	328.1	324.8
20°	375.6	365.9	357.3	348.4	336.2	329.3	324.3	321.6	316.8	313.9	311.8
22.5°	364.2	354.2	344.4	333.9	323.9	316.1	312.5	308.3	305.7	301.6	299.3
25°	347.8	337.0	325.1	313.9	306.7	300.9	295.0	291.2	287.5	285.6	281.5
27.5°	328.8	317.4	306.4	297.8	288.9	283.2	277.9	274.6	270.1	267.0	264.7
30°	318.3	305.0	295.4	287.8	276.3	270.9	267.0	262.8	259.5	256.2	253.9
32.5°	306.1	294.0	285.0	275.4	266.7	260.7	255.7	252.0	249.1	246.0	243.7
35°	287.1	277.0	267.6	258.1	251.6	245.6	239.5	236.4	233.7	230.8	228.7
37.5°	269.9	260.4	251.5	242.5	234.4	229.5	224.7	222.3	218.6	216.7	214.6
40°	259.3	249.9	240.4	231.7	223.4	219.6	215.3	211.7	208.4	206.9	204.6
42.5°	247.6	238.3	230.2	220.9	214.0	208.9	204.9	201.1	198.6	196.4	195.2
45°	230.4	222.1	214.2	204.8	198.4	194.0	189.5	185.9	183.7	182.2	179.9
47.5°	213.7	205.4	197.3	189.2	183.0	178.0	173.3	170.9	167.9	166.1	164.6
50°	201.5	194.0	185.6	178.1	171.8	166.8	163.1	160.0	157.3	155.0	153.9
52.5°	190.4	182.4	175.0	168.1	161.5	155.9	152.5	149.2	147.1	144.5	143.3
55°	172.0	164.3	158.1	151.2	144.8	140.0	135.9	133.0	130.9	128.0	126.4
57.5°	154.8	147.8	140.4	134.5	127.9	123.9	120.4	116.5	113.9	111.6	109.9
60°	143.1	135.3	128.8	123.2	117.3	112.2	109.1	105.9	103.3	100.9	99.5
62.5°	131.0	124.1	118.0	111.9	106.6	102.0	98.4	95.9	93.5	92.0	90.5
65°	112.4	107.0	100.8	95.8	90.8	87.5	84.5	82.3	80.6	79.5	78.3
67.5°	95.2	90.1	84.6	79.7	76.3	73.8	72.0	70.0	69.1	67.8	67.0
70°	84.2	78.7	73.9	70.2	66.9	65.0	63.8	62.3	61.5	59.8	59.0
72.5°	72.1	68.1	64.6	61.6	58.9	57.2	55.6	53.9	52.5	50.6	49.8
75°	56.7	53.1	50.5	48.4	46.7	44.5	42.2	40.3	39.7	39.1	38.9
77.5°	42.0	39.8	37.8	36.0	34.0	32.4	31.8	31.4	31.3	30.9	30.9
80°	33.0	30.9	29.5	27.5	26.2	26.2	26.2	25.8	25.9	25.9	25.9
82.5°	24.5	22.6	21.8	21.1	20.9	21.0	21.0	21.1	21.0	21.3	21.1
85°	12.7	12.8	13.3	13.1	13.3	13.3	13.7	13.5	13.7	13.3	13.7
87.5°	6.0	6.8	7.3	7.8	8.4	8.6	8.9	9.0	9.3	9.5	9.5
90°	6.5	8.2	10.1	11.9	13.8	15.8	16.3	16.9	17.5	18.1	18.5
92.5°	10.6	11.1	12.5	13.9	15.3	16.8	17.7	18.6	19.6	20.5	21.0
95°	16.1	13.9	15.5	17.1	18.7	20.3	21.4	22.4	23.4	24.4	25.0
97.5°	69.7	63.1	52.6	42.1	31.7	21.1	22.3	23.5	24.6	25.8	26.5
100°	122.5	112.6	89.9	67.1	44.4	21.7	22.8	24.0	25.1	26.3	27.0
102.5°	153.9	142.6	117.7	92.8	68.0	43.2	39.6	35.9	32.4	28.7	27.0
105°	202.0	196.2	183.1	170.0	156.9	143.7	117.9	92.1	66.3	40.5	27.7
107.5°	253.4	255.1	257.2	259.2	261.4	263.4	244.4	225.5	206.6	187.7	168.5
110°	288.1	289.5	291.1	292.7	294.4	296.0	291.1	286.3	281.5	276.7	263.9



TEST NUMBER: P332394-940

CATALOG NUMBER: S123RDIW-S340D755U940-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	321.3	322.6	324.2	325.8	327.4	329.0	329.1	329.2	329.3	329.4	327.2
115°	370.3	371.4	372.7	374.0	375.3	376.7	378.1	379.6	381.0	382.5	383.5
117.5°	419.3	420.2	420.8	421.5	422.1	422.8	424.0	425.2	426.3	427.5	428.1
120°	450.1	451.0	451.5	451.9	452.4	452.7	454.0	455.1	456.3	457.4	458.0
122.5°	479.7	480.5	481.0	481.6	482.1	482.7	483.5	484.3	485.1	486.0	486.4
125°	521.7	522.6	523.2	523.8	524.3	525.0	525.2	525.5	525.8	526.1	526.4
127.5°	562.1	563.1	563.8	564.5	565.2	565.9	566.3	566.9	567.3	567.8	567.8
130°	587.4	588.3	588.8	589.4	590.0	590.6	591.1	591.7	592.3	592.9	593.1
132.5°	611.5	612.3	612.8	613.2	613.7	614.2	614.7	615.4	615.9	616.5	616.6
135°	647.2	647.9	648.5	649.1	649.7	650.2	650.7	651.1	651.6	652.0	652.0
137.5°	679.7	680.4	680.6	681.0	681.4	681.6	682.3	683.1	683.8	684.5	684.7
140°	699.7	700.3	700.8	701.2	701.7	702.1	702.7	703.3	703.8	704.5	704.6
142.5°	719.2	719.8	720.2	720.7	721.1	721.6	722.0	722.5	722.9	723.4	723.4
145°	746.9	747.5	747.8	748.1	748.4	748.7	748.9	749.3	749.6	749.8	750.0
147.5°	771.1	771.5	771.9	772.1	772.4	772.7	773.0	773.3	773.6	773.9	773.6
150°	785.9	786.2	786.6	786.8	787.1	787.4	787.7	788.0	788.3	788.5	788.5
152.5°	799.2	799.3	799.5	799.7	799.9	800.0	800.5	801.0	801.6	802.1	802.0
155°	817.1	817.0	817.2	817.3	817.4	817.6	818.3	819.0	819.7	820.6	820.5
157.5°	833.7	833.6	833.4	833.2	833.1	832.9	833.8	834.7	835.5	836.4	836.3
160°	842.6	842.5	842.3	842.1	842.0	841.9	842.8	843.6	844.5	845.3	845.3
162.5°	850.6	850.3	850.2	850.1	849.9	849.7	850.8	851.8	852.7	853.7	853.7
165°	861.1	860.9	860.7	860.5	860.4	860.2	861.4	862.6	863.7	864.9	865.0
167.5°	869.0	868.6	868.6	868.6	868.6	868.6	869.8	870.9	872.2	873.3	873.3
170°	873.7	873.3	873.3	873.3	873.3	873.3	874.5	875.7	876.9	878.1	878.1
172.5°	876.4	876.0	876.2	876.3	876.4	876.6	877.7	878.9	880.0	881.2	881.1
175°	880.3	880.0	880.1	880.3	880.5	880.6	881.6	882.6	883.7	884.7	884.6
177.5°	881.9	881.7	881.8	881.9	882.1	882.2	883.1	884.0	884.9	885.9	885.7
180°	883.2	883.2	883.2	883.2	883.2	883.2	883.2	883.2	883.2	883.2	883.2



TEST NUMBER: P332394-940

CATALOG NUMBER: S123RDIW-S340D755U940-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	485.3	485.3	485.3	485.3	485.3	485.3	485.3	485.3	485.3	485.3	485.3
2.5°	462.4	462.2	462.4	461.7	462.4	462.2	462.4	464.4	464.4	464.5	464.7
5°	430.3	430.1	429.4	427.6	429.4	430.1	430.3	430.9	432.6	435.4	434.6
7.5°	402.2	401.9	400.1	400.1	400.1	401.9	402.2	403.9	405.7	407.5	409.6
10°	385.6	385.8	383.3	381.8	383.3	385.8	385.6	387.0	389.8	391.2	392.6
12.5°	369.4	368.5	366.5	364.9	366.5	368.5	369.4	370.6	374.3	375.9	378.7
15°	348.2	346.1	341.2	341.5	341.2	346.1	348.2	347.3	351.1	353.2	354.0
17.5°	323.2	321.6	321.6	318.6	321.6	321.6	323.2	324.8	328.1	330.3	336.3
20°	308.5	307.5	307.9	305.0	307.9	307.5	308.5	311.8	313.9	316.8	321.6
22.5°	297.0	296.0	294.3	293.4	294.3	296.0	297.0	299.3	301.6	305.7	308.3
25°	280.3	278.6	277.0	277.9	277.0	278.6	280.3	281.5	285.6	287.5	291.2
27.5°	263.5	262.3	260.6	260.4	260.6	262.3	263.5	264.7	267.0	270.1	274.6
30°	252.8	251.6	250.7	249.7	250.7	251.6	252.8	253.9	256.2	259.5	262.8
32.5°	242.0	241.7	240.3	240.0	240.3	241.7	242.0	243.7	246.0	249.1	252.0
35°	227.9	226.7	226.2	226.4	226.2	226.7	227.9	228.7	230.8	233.7	236.4
37.5°	214.5	212.9	212.0	211.3	212.0	212.9	214.5	214.6	216.7	218.6	222.3
40°	204.8	203.2	202.8	202.3	202.8	203.2	204.8	204.6	206.9	208.4	211.7
42.5°	194.0	193.4	193.1	192.3	193.1	193.4	194.0	195.2	196.4	198.6	201.1
45°	179.3	179.1	177.8	178.3	177.8	179.1	179.3	179.9	182.2	183.7	185.9
47.5°	163.7	162.8	161.9	162.6	161.9	162.8	163.7	164.6	166.1	167.9	170.9
50°	153.1	152.7	150.8	151.2	150.8	152.7	153.1	153.9	155.0	157.3	160.0
52.5°	142.5	140.9	140.2	139.9	140.2	140.9	142.5	143.3	144.5	147.1	149.2
55°	124.8	123.0	122.2	121.7	122.2	123.0	124.8	126.4	128.0	130.9	133.0
57.5°	107.5	107.1	106.4	106.8	106.4	107.1	107.5	109.9	111.6	113.9	116.5
60°	97.5	97.5	97.5	97.2	97.5	97.5	97.5	99.5	100.9	103.3	105.9
62.5°	89.6	89.1	89.0	89.3	89.0	89.1	89.6	90.5	92.0	93.5	95.9
65°	77.7	77.5	76.7	76.4	76.7	77.5	77.7	78.3	79.5	80.6	82.3
67.5°	66.4	65.7	65.5	65.2	65.5	65.7	66.4	67.0	67.8	69.1	70.0
70°	58.0	57.5	56.3	56.5	56.3	57.5	58.0	59.0	59.8	61.5	62.3
72.5°	48.9	48.4	48.2	47.9	48.2	48.4	48.9	49.8	50.6	52.5	53.9
75°	38.6	38.4	38.3	39.1	38.3	38.4	38.6	38.9	39.1	39.7	40.3
77.5°	30.9	30.9	31.1	30.8	31.1	30.9	30.9	30.9	30.9	31.3	31.4
80°	25.9	25.9	25.8	25.8	25.8	25.9	25.9	25.9	25.9	25.9	25.8
82.5°	20.8	21.0	21.1	20.8	21.1	21.0	20.8	21.1	21.3	21.0	21.1
85°	13.7	13.5	13.9	13.7	13.9	13.5	13.7	13.7	13.3	13.7	13.5
87.5°	9.9	9.6	9.7	9.9	9.7	9.6	9.9	9.5	9.5	9.3	9.0
90°	18.8	19.1	19.4	19.7	19.4	19.1	18.8	18.5	18.1	17.5	16.9
92.5°	21.2	21.4	21.6	21.8	21.6	21.4	21.2	21.0	20.5	19.6	18.6
95°	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	24.4	23.4	22.4
97.5°	26.6	26.8	26.9	27.0	26.9	26.8	26.6	26.5	25.8	24.6	23.5
100°	27.1	27.3	27.4	27.6	27.4	27.3	27.1	27.0	26.3	25.1	24.0
102.5°	27.3	27.6	27.8	28.1	27.8	27.6	27.3	27.0	28.7	32.4	35.9
105°	28.0	28.3	28.6	28.9	28.6	28.3	28.0	27.7	40.5	66.3	92.1
107.5°	149.0	129.6	110.1	90.7	110.1	129.6	149.0	168.5	187.7	206.6	225.5
110°	243.0	222.1	201.3	180.5	201.3	222.1	243.0	263.9	276.7	281.5	286.3



TEST NUMBER: P332394-940

CATALOG NUMBER: S123RDIW-S340D755U940-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	322.8	318.4	314.0	309.6	314.0	318.4	322.8	327.2	329.4	329.3	329.2
115°	384.1	384.7	385.2	385.8	385.2	384.7	384.1	383.5	382.5	381.0	379.6
117.5°	428.3	428.4	428.5	428.6	428.5	428.4	428.3	428.1	427.5	426.3	425.2
120°	458.0	458.0	458.0	458.0	458.0	458.0	458.0	458.0	457.4	456.3	455.1
122.5°	486.5	486.6	486.8	486.9	486.8	486.6	486.5	486.4	486.0	485.1	484.3
125°	526.7	527.0	527.3	527.5	527.3	527.0	526.7	526.4	526.1	525.8	525.5
127.5°	567.6	567.2	566.9	566.7	566.9	567.2	567.6	567.8	567.8	567.3	566.9
130°	592.7	592.5	592.2	591.8	592.2	592.5	592.7	593.1	592.9	592.3	591.7
132.5°	616.2	615.8	615.4	614.9	615.4	615.8	616.2	616.6	616.5	615.9	615.4
135°	651.6	651.1	650.7	650.2	650.7	651.1	651.6	652.0	652.0	651.6	651.1
137.5°	684.4	684.0	683.8	683.5	683.8	684.0	684.4	684.7	684.5	683.8	683.1
140°	704.3	704.0	703.7	703.4	703.7	704.0	704.3	704.6	704.5	703.8	703.3
142.5°	723.0	722.6	722.2	721.8	722.2	722.6	723.0	723.4	723.4	722.9	722.5
145°	750.0	750.0	750.0	750.0	750.0	750.0	750.0	750.0	749.8	749.6	749.3
147.5°	773.0	772.3	771.7	771.0	771.7	772.3	773.0	773.6	773.9	773.6	773.3
150°	788.1	787.6	787.2	786.8	787.2	787.6	788.1	788.5	788.5	788.3	788.0
152.5°	801.4	800.7	800.0	799.3	800.0	800.7	801.4	802.0	802.1	801.6	801.0
155°	819.6	818.7	817.8	816.9	817.8	818.7	819.6	820.5	820.6	819.7	819.0
157.5°	835.2	834.0	832.9	831.8	832.9	834.0	835.2	836.3	836.4	835.5	834.7
160°	844.3	843.3	842.2	841.2	842.2	843.3	844.3	845.3	845.3	844.5	843.6
162.5°	852.8	851.9	851.0	850.2	851.0	851.9	852.8	853.7	853.7	852.7	851.8
165°	864.0	862.9	861.9	860.9	861.9	862.9	864.0	865.0	864.9	863.7	862.6
167.5°	872.2	870.9	869.8	868.6	869.8	870.9	872.2	873.3	873.3	872.2	870.9
170°	876.9	875.7	874.5	873.3	874.5	875.7	876.9	878.1	878.1	876.9	875.7
172.5°	879.9	878.6	877.3	876.0	877.3	878.6	879.9	881.1	881.2	880.0	878.9
175°	883.4	882.3	881.1	879.9	881.1	882.3	883.4	884.6	884.7	883.7	882.6
177.5°	884.6	883.4	882.3	881.1	882.3	883.4	884.6	885.7	885.9	884.9	884.0
180°	883.2	883.2	883.2	883.2	883.2	883.2	883.2	883.2	883.2	883.2	883.2



TEST NUMBER: P332394-940

CATALOG NUMBER: S123RDIW-S340D755U940-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	485.3	485.3	485.3	485.3	485.3	485.3	485.3	485.3	485.3	485.3	485.3
2.5°	463.2	465.6	467.9	470.0	473.3	474.8	477.0	477.9	480.3	483.9	487.0
5°	435.1	438.4	442.7	446.2	451.8	456.2	461.0	465.6	471.0	478.7	485.5
7.5°	411.2	414.4	419.6	426.2	432.4	438.6	445.1	451.4	459.1	470.1	481.0
10°	395.4	399.3	405.6	412.6	420.3	426.3	434.0	441.8	451.5	464.1	477.2
12.5°	381.7	384.7	391.9	398.6	407.3	415.0	422.5	431.8	442.6	456.1	471.9
15°	360.1	364.2	371.2	378.7	387.9	396.0	405.7	417.0	427.6	444.2	463.2
17.5°	338.2	344.6	352.0	360.3	367.1	378.4	388.9	400.4	413.5	431.1	452.1
20°	324.3	329.3	336.2	348.4	357.3	365.9	375.6	389.9	402.0	422.0	443.7
22.5°	312.5	316.1	323.9	333.9	344.4	354.2	364.2	377.8	392.7	411.6	435.2
25°	295.0	300.9	306.7	313.9	325.1	337.0	347.8	359.4	375.2	395.4	420.9
27.5°	277.9	283.2	288.9	297.8	306.4	317.4	328.8	342.1	359.0	380.3	406.3
30°	267.0	270.9	276.3	287.8	295.4	305.0	318.3	330.1	345.9	368.5	396.0
32.5°	255.7	260.7	266.7	275.4	285.0	294.0	306.1	319.0	335.1	357.4	385.5
35°	239.5	245.6	251.6	258.1	267.6	277.0	287.1	301.2	317.6	339.3	366.8
37.5°	224.7	229.5	234.4	242.5	251.5	260.4	269.9	283.8	299.3	322.6	347.9
40°	215.3	219.6	223.4	231.7	240.4	249.9	259.3	271.5	288.1	310.0	334.5
42.5°	204.9	208.9	214.0	220.9	230.2	238.3	247.6	259.2	274.8	297.0	318.5
45°	189.5	194.0	198.4	204.8	214.2	222.1	230.4	241.4	257.4	275.7	294.8
47.5°	173.3	178.0	183.0	189.2	197.3	205.4	213.7	223.4	238.0	255.9	268.9
50°	163.1	166.8	171.8	178.1	185.6	194.0	201.5	212.1	226.0	240.1	251.4
52.5°	152.5	155.9	161.5	168.1	175.0	182.4	190.4	199.5	212.0	225.3	234.3
55°	135.9	140.0	144.8	151.2	158.1	164.3	172.0	181.4	191.4	201.3	207.3
57.5°	120.4	123.9	127.9	134.5	140.4	147.8	154.8	162.0	171.3	178.8	182.7
60°	109.1	112.2	117.3	123.2	128.8	135.3	143.1	150.4	157.5	163.5	166.6
62.5°	98.4	102.0	106.6	111.9	118.0	124.1	131.0	137.1	143.4	148.6	150.7
65°	84.5	87.5	90.8	95.8	100.8	107.0	112.4	118.6	123.2	126.1	128.0
67.5°	72.0	73.8	76.3	79.7	84.6	90.1	95.2	100.1	104.0	105.9	107.6
70°	63.8	65.0	66.9	70.2	73.9	78.7	84.2	87.7	91.0	92.6	94.3
72.5°	55.6	57.2	58.9	61.6	64.6	68.1	72.1	76.3	78.2	80.2	81.1
75°	42.2	44.5	46.7	48.4	50.5	53.1	56.7	59.4	60.5	62.2	62.3
77.5°	31.8	32.4	34.0	36.0	37.8	39.8	42.0	44.4	44.9	45.7	46.4
80°	26.2	26.2	26.2	27.5	29.5	30.9	33.0	34.2	35.1	35.3	35.5
82.5°	21.0	21.0	20.9	21.1	21.8	22.6	24.5	25.9	26.7	26.5	26.0
85°	13.7	13.3	13.3	13.1	13.3	12.8	12.7	13.5	14.7	14.7	14.4
87.5°	8.9	8.6	8.4	7.8	7.3	6.8	6.0	5.8	5.5	5.9	5.4
90°	16.3	15.8	13.8	11.9	10.1	8.2	6.5	5.0	3.6	2.1	0.6
92.5°	17.7	16.8	15.3	13.9	12.5	11.1	10.6	11.0	11.4	11.8	12.2
95°	21.4	20.3	18.7	17.1	15.5	13.9	16.1	22.1	28.1	34.1	40.0
97.5°	22.3	21.1	31.7	42.1	52.6	63.1	69.7	72.4	75.1	77.8	80.4
100°	22.8	21.7	44.4	67.1	89.9	112.6	122.5	119.7	116.7	113.8	110.9
102.5°	39.6	43.2	68.0	92.8	117.7	142.6	153.9	151.9	149.7	147.7	145.5
105°	117.9	143.7	156.9	170.0	183.1	196.2	202.0	200.4	198.8	197.2	195.6
107.5°	244.4	263.4	261.4	259.2	257.2	255.1	253.4	252.2	250.8	249.6	248.3
110°	291.1	296.0	294.4	292.7	291.1	289.5	288.1	287.0	285.8	284.6	283.5



TEST NUMBER: P332394-940

CATALOG NUMBER: S123RDIW-S340D755U940-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	329.1	329.0	327.4	325.8	324.2	322.6	321.3	320.2	319.1	318.1	317.1
115°	378.1	376.7	375.3	374.0	372.7	371.4	370.3	369.4	368.5	367.7	366.8
117.5°	424.0	422.8	422.1	421.5	420.8	420.2	419.3	418.2	417.1	416.1	415.0
120°	454.0	452.7	452.4	451.9	451.5	451.0	450.1	448.8	447.5	446.2	444.9
122.5°	483.5	482.7	482.1	481.6	481.0	480.5	479.7	478.6	477.5	476.4	475.4
125°	525.2	525.0	524.3	523.8	523.2	522.6	521.7	520.6	519.4	518.3	517.1
127.5°	566.3	565.9	565.2	564.5	563.8	563.1	562.1	561.0	559.8	558.7	557.5
130°	591.1	590.6	590.0	589.4	588.8	588.3	587.4	586.2	585.1	583.9	582.6
132.5°	614.7	614.2	613.7	613.2	612.8	612.3	611.5	610.3	609.1	608.0	606.8
135°	650.7	650.2	649.7	649.1	648.5	647.9	647.2	646.3	645.4	644.6	643.7
137.5°	682.3	681.6	681.4	681.0	680.6	680.4	679.7	678.5	677.4	676.3	675.2
140°	702.7	702.1	701.7	701.2	700.8	700.3	699.7	698.8	697.9	697.1	696.2
142.5°	722.0	721.6	721.1	720.7	720.2	719.8	719.2	718.3	717.4	716.5	715.6
145°	748.9	748.7	748.4	748.1	747.8	747.5	746.9	745.8	744.8	743.8	742.8
147.5°	773.0	772.7	772.4	772.1	771.9	771.5	771.1	770.3	769.7	769.0	768.4
150°	787.7	787.4	787.1	786.8	786.6	786.2	785.9	785.4	785.0	784.5	784.2
152.5°	800.5	800.0	799.9	799.7	799.5	799.3	799.2	798.9	798.7	798.5	798.3
155°	818.3	817.6	817.4	817.3	817.2	817.0	817.1	817.3	817.7	818.0	818.2
157.5°	833.8	832.9	833.1	833.2	833.4	833.6	833.7	833.7	833.7	833.7	833.7
160°	842.8	841.9	842.0	842.1	842.3	842.5	842.6	842.8	842.9	843.0	843.2
162.5°	850.8	849.7	849.9	850.1	850.2	850.3	850.6	851.0	851.3	851.8	852.1
165°	861.4	860.2	860.4	860.5	860.7	860.9	861.1	861.6	862.0	862.5	862.9
167.5°	869.8	868.6	868.6	868.6	868.6	868.6	869.0	869.5	870.1	870.7	871.3
170°	874.5	873.3	873.3	873.3	873.3	873.3	873.7	874.2	874.9	875.4	876.0
172.5°	877.7	876.6	876.4	876.3	876.2	876.0	876.4	877.1	877.7	878.4	879.1
175°	881.6	880.6	880.5	880.3	880.1	880.0	880.3	881.0	881.7	882.4	883.2
177.5°	883.1	882.2	882.1	881.9	881.8	881.7	881.9	882.5	883.1	883.7	884.2
180°	883.2	883.2	883.2	883.2	883.2	883.2	883.2	883.2	883.2	883.2	883.2



TEST NUMBER: P332394-940

CATALOG NUMBER: S123RDIW-S340D755U940-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	485.3	485.3	485.3	485.3	485.3	485.3	485.3	485.3	485.3	485.3	485.3
2.5°	487.9	489.8	492.1	495.6	498.3	500.6	501.1	501.8	503.5	506.2	508.4
5°	491.2	495.9	503.5	511.0	519.2	525.8	532.1	536.5	540.6	549.3	556.3
7.5°	490.1	500.8	512.8	526.2	539.8	552.9	565.2	576.1	587.0	599.8	614.2
10°	489.5	501.9	518.2	535.4	554.3	572.7	590.7	604.6	620.7	635.3	653.8
12.5°	486.3	504.3	523.6	545.6	568.9	590.2	613.8	632.9	651.5	672.5	694.0
15°	482.1	504.0	528.5	557.8	593.2	618.8	643.0	676.5	699.3	722.1	752.9
17.5°	474.7	501.3	531.9	570.0	599.4	634.1	670.3	696.8	727.5	759.7	787.6
20°	468.7	499.6	534.0	571.3	608.9	646.5	681.6	713.2	745.0	782.2	805.0
22.5°	462.7	493.3	529.0	568.6	609.0	648.7	688.4	725.5	761.3	798.8	828.0
25°	450.0	486.3	525.0	565.5	605.4	649.0	696.3	737.7	781.9	820.6	848.3
27.5°	437.1	470.5	508.9	550.0	594.3	645.9	701.6	748.6	792.9	820.6	829.3
30°	425.4	460.7	496.1	537.9	585.9	643.4	702.6	756.4	792.7	804.9	795.9
32.5°	413.7	445.7	480.6	523.4	574.4	637.2	703.9	751.8	773.6	764.5	728.1
35°	392.9	421.7	455.6	498.4	557.0	633.8	698.5	730.8	725.5	673.5	604.9
37.5°	370.6	394.1	425.4	470.2	539.0	620.4	674.8	679.7	632.8	553.1	473.9
40°	352.9	374.2	406.4	453.1	525.0	607.1	651.1	631.8	559.3	470.6	404.5
42.5°	335.8	353.7	384.8	435.2	511.7	588.9	615.7	573.6	490.0	406.1	346.0
45°	306.8	323.7	354.8	406.5	484.5	554.3	550.7	477.6	393.9	326.4	276.5
47.5°	279.4	294.1	323.3	376.1	452.5	502.3	469.3	391.5	320.5	266.3	230.7
50°	259.9	274.5	303.5	355.7	427.0	463.2	416.2	341.2	276.1	231.2	203.0
52.5°	241.3	255.5	282.0	332.9	396.0	417.8	367.1	297.6	243.3	204.6	180.4
55°	215.3	226.0	249.9	298.5	345.7	350.7	299.3	241.2	196.5	169.5	152.9
57.5°	188.7	198.0	221.6	260.3	293.4	290.8	242.2	191.8	161.8	141.7	129.7
60°	171.4	180.6	201.3	234.5	259.5	250.7	206.1	165.6	139.8	125.1	115.5
62.5°	155.2	162.4	181.9	206.2	224.1	214.2	176.2	142.7	122.2	109.8	102.2
65°	131.9	137.8	153.3	166.0	175.9	166.4	134.8	111.6	96.8	88.1	82.9
67.5°	109.8	113.4	123.2	127.9	134.9	124.4	101.4	85.8	77.4	70.1	66.4
70°	95.8	98.4	103.7	107.5	109.2	98.4	81.4	70.0	63.0	57.8	55.5
72.5°	81.8	84.2	85.2	88.3	87.3	77.2	65.5	56.4	51.3	47.8	44.9
75°	62.5	63.6	62.5	61.3	58.6	51.5	43.4	38.9	35.1	33.4	32.4
77.5°	45.6	45.2	43.9	41.9	37.3	32.8	28.4	26.9	25.3	24.4	24.1
80°	35.1	34.2	33.0	29.9	25.9	22.8	21.8	20.8	20.2	19.1	18.9
82.5°	26.1	25.6	23.5	21.0	18.2	16.7	15.9	15.4	14.8	14.3	14.3
85°	13.9	13.3	11.0	9.5	9.2	8.7	8.6	8.6	7.7	7.5	7.5
87.5°	4.9	4.2	4.4	4.1	4.5	4.5	5.1	5.1	5.4	5.6	5.4
90°	2.1	3.6	5.0	6.5	8.2	10.1	11.9	13.8	15.8	16.3	16.9
92.5°	11.8	11.4	11.0	10.6	11.1	12.5	13.9	15.3	16.8	17.7	18.6
95°	34.1	28.1	22.1	16.1	13.9	15.5	17.1	18.7	20.3	21.4	22.4
97.5°	77.8	75.1	72.4	69.7	63.1	52.6	42.1	31.7	21.1	22.3	23.5
100°	113.8	116.7	119.7	122.5	112.6	89.9	67.1	44.4	21.7	22.8	24.0
102.5°	147.7	149.7	151.9	153.9	142.6	117.7	92.8	68.0	43.2	39.6	35.9
105°	197.2	198.8	200.4	202.0	196.2	183.1	170.0	156.9	143.7	117.9	92.1
107.5°	249.6	250.8	252.2	253.4	255.1	257.2	259.2	261.4	263.4	244.4	225.5
110°	284.6	285.8	287.0	288.1	289.5	291.1	292.7	294.4	296.0	291.1	286.3



TEST NUMBER: P332394-940

CATALOG NUMBER: S123RDIW-S340D755U940-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	318.1	319.1	320.2	321.3	322.6	324.2	325.8	327.4	329.0	329.1	329.2
115°	367.7	368.5	369.4	370.3	371.4	372.7	374.0	375.3	376.7	378.1	379.6
117.5°	416.1	417.1	418.2	419.3	420.2	420.8	421.5	422.1	422.8	424.0	425.2
120°	446.2	447.5	448.8	450.1	451.0	451.5	451.9	452.4	452.7	454.0	455.1
122.5°	476.4	477.5	478.6	479.7	480.5	481.0	481.6	482.1	482.7	483.5	484.3
125°	518.3	519.4	520.6	521.7	522.6	523.2	523.8	524.3	525.0	525.2	525.5
127.5°	558.7	559.8	561.0	562.1	563.1	563.8	564.5	565.2	565.9	566.3	566.9
130°	583.9	585.1	586.2	587.4	588.3	588.8	589.4	590.0	590.6	591.1	591.7
132.5°	608.0	609.1	610.3	611.5	612.3	612.8	613.2	613.7	614.2	614.7	615.4
135°	644.6	645.4	646.3	647.2	647.9	648.5	649.1	649.7	650.2	650.7	651.1
137.5°	676.3	677.4	678.5	679.7	680.4	680.6	681.0	681.4	681.6	682.3	683.1
140°	697.1	697.9	698.8	699.7	700.3	700.8	701.2	701.7	702.1	702.7	703.3
142.5°	716.5	717.4	718.3	719.2	719.8	720.2	720.7	721.1	721.6	722.0	722.5
145°	743.8	744.8	745.8	746.9	747.5	747.8	748.1	748.4	748.7	748.9	749.3
147.5°	769.0	769.7	770.3	771.1	771.5	771.9	772.1	772.4	772.7	773.0	773.3
150°	784.5	785.0	785.4	785.9	786.2	786.6	786.8	787.1	787.4	787.7	788.0
152.5°	798.5	798.7	798.9	799.2	799.3	799.5	799.7	799.9	800.0	800.5	801.0
155°	818.0	817.7	817.3	817.1	817.0	817.2	817.3	817.4	817.6	818.3	819.0
157.5°	833.7	833.7	833.7	833.7	833.6	833.4	833.2	833.1	832.9	833.8	834.7
160°	843.0	842.9	842.8	842.6	842.5	842.3	842.1	842.0	841.9	842.8	843.6
162.5°	851.8	851.3	851.0	850.6	850.3	850.2	850.1	849.9	849.7	850.8	851.8
165°	862.5	862.0	861.6	861.1	860.9	860.7	860.5	860.4	860.2	861.4	862.6
167.5°	870.7	870.1	869.5	869.0	868.6	868.6	868.6	868.6	868.6	869.8	870.9
170°	875.4	874.9	874.2	873.7	873.3	873.3	873.3	873.3	873.3	874.5	875.7
172.5°	878.4	877.7	877.1	876.4	876.0	876.2	876.3	876.4	876.6	877.7	878.9
175°	882.4	881.7	881.0	880.3	880.0	880.1	880.3	880.5	880.6	881.6	882.6
177.5°	883.7	883.1	882.5	881.9	881.7	881.8	881.9	882.1	882.2	883.1	884.0
180°	883.2	883.2	883.2	883.2	883.2	883.2	883.2	883.2	883.2	883.2	883.2



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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	485.3	485.3	485.3	485.3	485.3	485.3	485.3
2.5°	511.9	511.9	512.6	515.1	515.4	517.5	516.9
5°	562.6	566.5	568.0	574.3	577.9	579.6	576.3
7.5°	624.6	635.7	641.0	647.6	653.3	655.1	650.5
10°	669.8	681.4	691.2	697.2	702.8	706.6	711.3
12.5°	713.5	727.8	737.1	745.6	751.4	756.1	756.9
15°	761.0	782.6	799.0	811.1	817.1	820.2	818.9
17.5°	808.9	828.9	840.6	852.9	861.2	861.7	861.9
20°	836.0	855.5	869.1	878.2	887.5	887.1	889.2
22.5°	854.1	869.5	879.9	886.4	889.7	888.1	888.5
25°	862.6	867.2	865.3	854.7	851.9	842.2	843.9
27.5°	818.9	797.3	774.9	746.2	723.4	705.3	706.2
30°	759.6	721.3	677.7	641.1	608.3	599.1	579.6
32.5°	676.6	619.3	568.2	534.0	506.0	498.3	481.3
35°	536.0	480.3	427.8	396.2	383.7	366.2	366.0
37.5°	416.6	367.6	339.8	316.1	303.7	293.1	292.1
40°	350.4	312.3	291.2	274.2	262.0	254.0	252.2
42.5°	304.3	273.4	253.7	243.2	233.7	229.6	226.6
45°	248.4	227.7	214.0	204.5	200.1	197.0	195.3
47.5°	207.9	193.9	184.6	178.2	174.7	171.4	172.3
50°	185.7	174.3	167.5	161.4	158.7	156.4	156.7
52.5°	167.9	157.7	152.1	147.8	144.5	142.8	142.0
55°	142.5	136.1	130.5	127.3	125.5	123.2	122.6
57.5°	121.5	116.5	112.0	108.5	108.0	105.8	106.1
60°	107.6	103.4	99.7	97.8	96.4	94.5	95.1
62.5°	96.1	92.6	89.3	87.7	86.2	84.9	85.2
65°	78.7	75.4	73.3	72.5	71.9	71.2	70.6
67.5°	62.8	60.7	59.4	57.6	56.4	56.2	55.6
70°	52.8	50.0	47.8	45.5	44.9	44.7	44.9
72.5°	42.3	40.6	39.9	38.9	38.7	38.2	38.5
75°	31.7	31.1	30.8	29.9	29.9	29.9	29.9
77.5°	23.5	23.1	22.8	22.6	22.5	22.1	22.1
80°	18.3	18.1	17.7	17.7	17.5	17.7	17.5
82.5°	13.8	13.7	13.4	13.4	13.1	13.0	13.1
85°	7.0	6.9	7.3	6.9	7.0	6.7	7.0
87.5°	5.5	5.6	5.5	5.6	5.4	5.9	5.6
90°	17.5	18.1	18.5	18.8	19.1	19.4	19.7
92.5°	19.6	20.5	21.0	21.2	21.4	21.6	21.8
95°	23.4	24.4	25.0	25.0	25.0	25.0	25.0
97.5°	24.6	25.8	26.5	26.6	26.8	26.9	27.0
100°	25.1	26.3	27.0	27.1	27.3	27.4	27.6
102.5°	32.4	28.7	27.0	27.3	27.6	27.8	28.1
105°	66.3	40.5	27.7	28.0	28.3	28.6	28.9
107.5°	206.6	187.7	168.5	149.0	129.6	110.1	90.7
110°	281.5	276.7	263.9	243.0	222.1	201.3	180.5



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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
112.5°	329.3	329.4	327.2	322.8	318.4	314.0	309.6
115°	381.0	382.5	383.5	384.1	384.7	385.2	385.8
117.5°	426.3	427.5	428.1	428.3	428.4	428.5	428.6
120°	456.3	457.4	458.0	458.0	458.0	458.0	458.0
122.5°	485.1	486.0	486.4	486.5	486.6	486.8	486.9
125°	525.8	526.1	526.4	526.7	527.0	527.3	527.5
127.5°	567.3	567.8	567.8	567.6	567.2	566.9	566.7
130°	592.3	592.9	593.1	592.7	592.5	592.2	591.8
132.5°	615.9	616.5	616.6	616.2	615.8	615.4	614.9
135°	651.6	652.0	652.0	651.6	651.1	650.7	650.2
137.5°	683.8	684.5	684.7	684.4	684.0	683.8	683.5
140°	703.8	704.5	704.6	704.3	704.0	703.7	703.4
142.5°	722.9	723.4	723.4	723.0	722.6	722.2	721.8
145°	749.6	749.8	750.0	750.0	750.0	750.0	750.0
147.5°	773.6	773.9	773.6	773.0	772.3	771.7	771.0
150°	788.3	788.5	788.5	788.1	787.6	787.2	786.8
152.5°	801.6	802.1	802.0	801.4	800.7	800.0	799.3
155°	819.7	820.6	820.5	819.6	818.7	817.8	816.9
157.5°	835.5	836.4	836.3	835.2	834.0	832.9	831.8
160°	844.5	845.3	845.3	844.3	843.3	842.2	841.2
162.5°	852.7	853.7	853.7	852.8	851.9	851.0	850.2
165°	863.7	864.9	865.0	864.0	862.9	861.9	860.9
167.5°	872.2	873.3	873.3	872.2	870.9	869.8	868.6
170°	876.9	878.1	878.1	876.9	875.7	874.5	873.3
172.5°	880.0	881.2	881.1	879.9	878.6	877.3	876.0
175°	883.7	884.7	884.6	883.4	882.3	881.1	879.9
177.5°	884.9	885.9	885.7	884.6	883.4	882.3	881.1
180°	883.2	883.2	883.2	883.2	883.2	883.2	883.2

(END OF REPORT)