

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: P332395-840

Luminaire Tested: **S123RDIW-S340D755U840-4F0-1E-UDD-A1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P332395-840
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: S123RDIW-S340D755U840-4F0-1E-UDD-A1
Description: DEFINE 3 DIRECT-INDIRECT WALL MOUNT LED LUMINAIRE
DOWNLIGHT 340 LUMENS PER FOOT, ASYMMETRIC DIFFUSER, REGRESSED HOUSING
UPLIGHT 755 LUMENS PER FOOT, FLUSH SATIN WHITE DIFFUSER
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4015.0 lumens
Efficiency: N/A
Efficacy: 132.1 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

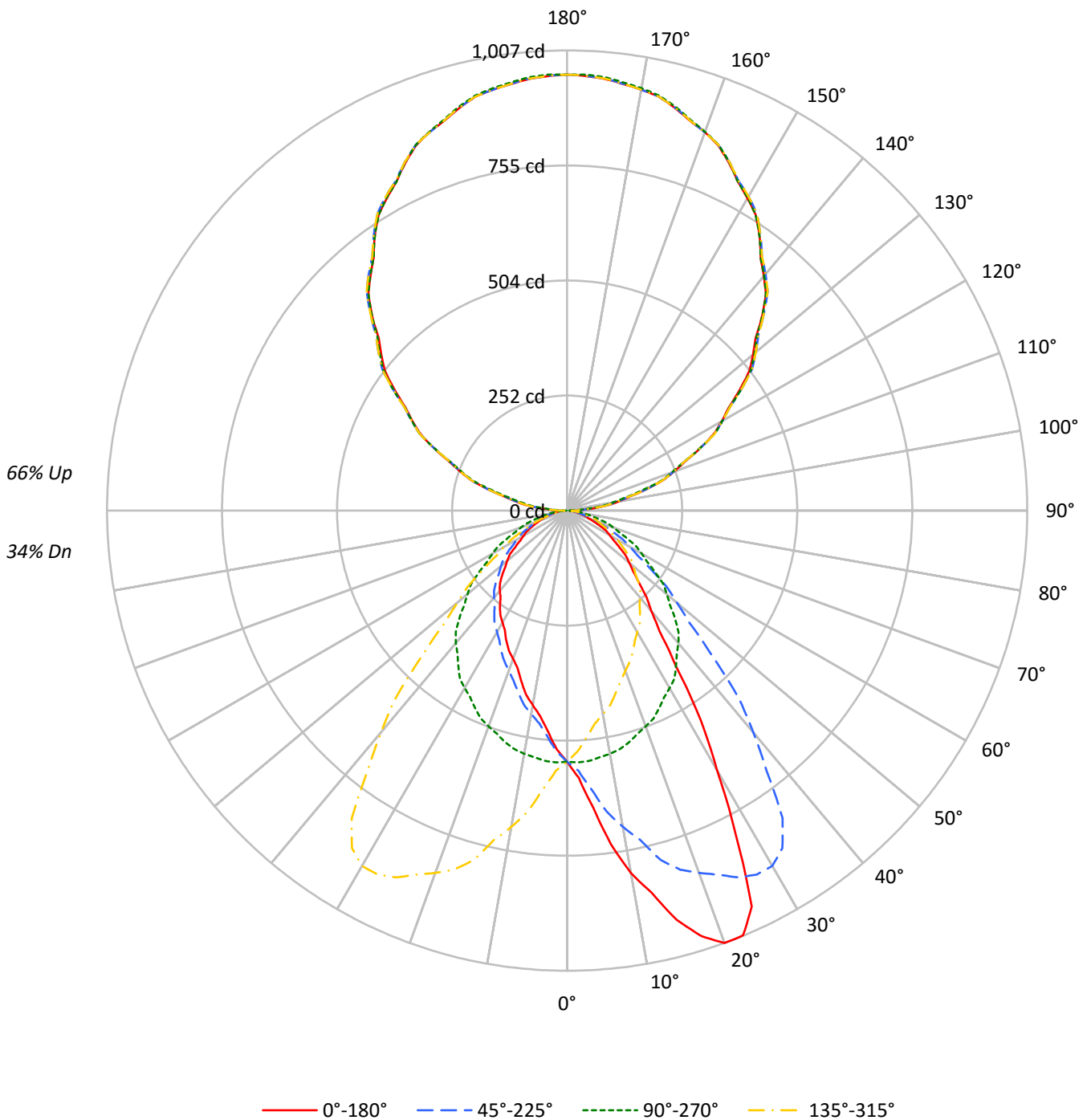
Input Watts (W): 30.4
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	50	30	10	0	
RCR																						
0	103	103	103	103	93	93	93	93	75	75	75	57	57	57	42	42	42	34				
1	95	91	87	84	85	82	79	76	66	64	62	51	50	48	37	37	36	30				
2	86	79	74	69	78	72	67	63	58	55	52	45	43	41	33	32	31	25				
3	79	70	63	58	71	64	58	53	52	47	44	40	37	35	30	28	27	22				
4	72	62	55	49	65	57	50	45	46	41	38	36	33	30	27	25	23	19				
5	67	56	48	42	60	51	44	39	41	36	33	33	29	26	24	22	20	17				
6	61	50	42	37	55	45	39	34	37	32	29	29	26	23	22	20	18	15				
7	57	45	37	32	51	41	34	30	34	29	25	27	23	21	20	18	16	13				
8	53	41	33	28	48	37	31	26	31	26	22	25	21	18	19	16	15	12				
9	49	37	30	25	44	34	28	23	28	23	20	23	19	17	17	15	13	11				
10	46	34	27	23	41	31	25	21	26	21	18	21	17	15	16	14	12	10				

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	5916	5916	5916	5916
5°	7052	5942	5232	5942
10°	8805	5908	4726	5908
15°	10336	5846	4310	5846
20°	11535	5756	3956	5756
25°	11351	5662	3739	5662
30°	8158	5574	3515	5574
35°	5447	5460	3369	5460
40°	4013	5323	3219	5323
45°	3367	5083	3073	5083
50°	2971	4767	2869	4767
55°	2607	4406	2586	4406
60°	2321	4060	2370	4060
65°	2038	3691	2203	3691
70°	1599	3361	2014	3361
75°	1406	2936	1838	2936
80°	1227	2492	1810	2492
85°	988	2013	1927	2013



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	54.0	1.3
10°-20°	168.9	4.2
20°-30°	265.3	6.6
30°-40°	276.8	6.9
40°-50°	236.9	5.9
50°-60°	180.5	4.5
60°-70°	115.7	2.9
70°-80°	55.7	1.4
80°-90°	17.6	0.4
90°-100°	62.2	1.5
100°-110°	186.1	4.6
110°-120°	316.4	7.9
120°-130°	416.2	10.4
130°-140°	467.8	11.7
140°-150°	459.9	11.5
150°-160°	387.1	9.6
160°-170°	257.7	6.4
170°-180°	90.2	2.2
0°-30°	488.2	12.2
0°-40°	764.9	19.1
0°-60°	1182.3	29.4
0°-90°	1371.3	34.2
90°-120°	564.7	14.1
90°-150°	1908.6	47.5
90°-180°	2644.0	65.9
0°-180°	4015.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	550	550	550	550	550	
5°	653	550	484	550	653	67
15°	928	525	387	525	928	263
25°	956	477	315	477	956	411
35°	414	416	256	416	414	272
45°	221	334	202	334	221	174
55°	139	235	138	235	139	126
65°	80	145	86	145	80	79
75°	34	71	44	71	34	36
85°	8	16	16	16	8	10
90°	22	1	22	1	22	11
95°	58	44	58	44	58	60
105°	178	169	178	169	178	189
115°	319	319	319	319	319	316
125°	461	466	461	466	461	412
135°	604	605	604	605	604	464
145°	734	734	734	734	734	458
155°	839	840	839	840	839	386
165°	912	915	912	915	912	257
175°	948	952	948	952	948	90
180°	954	954	954	954	954	



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	549.6	549.6	549.6	549.6	549.6	549.6	549.6	549.6	549.6	549.6	549.6
2.5°	585.4	586.1	583.7	583.3	580.5	579.8	579.8	575.7	573.3	570.2	568.3
5°	652.7	656.4	654.5	650.4	643.3	641.6	637.1	630.1	622.1	612.2	607.5
7.5°	736.7	741.8	739.8	733.4	725.9	719.9	707.3	695.6	679.2	664.8	652.5
10°	805.6	800.2	796.0	789.6	782.7	771.7	758.5	740.4	719.5	703.0	684.7
12.5°	857.2	856.3	850.9	844.3	834.8	824.3	808.0	786.0	761.6	737.8	716.8
15°	927.5	928.9	925.3	918.6	904.8	886.3	861.8	852.6	817.8	791.9	766.1
17.5°	976.1	975.8	975.3	965.9	952.0	938.8	916.0	891.9	860.4	823.9	789.1
20°	1007.0	1004.6	1005.1	994.5	984.2	968.9	946.7	911.7	885.9	843.7	807.7
22.5°	1006.2	1005.7	1007.5	1003.9	996.4	984.7	967.2	937.7	904.6	862.1	821.6
25°	955.7	953.8	964.8	968.0	980.0	982.1	976.8	960.7	929.4	885.6	835.5
27.5°	799.8	798.8	819.3	845.1	877.6	902.9	927.4	939.2	929.4	898.0	847.8
30°	656.4	678.5	688.9	726.1	767.5	816.9	860.2	901.3	911.5	897.8	856.7
32.5°	545.0	564.3	573.0	604.8	643.5	701.4	766.3	824.6	865.8	876.2	851.4
35°	414.5	414.8	434.5	448.7	484.4	543.9	607.0	685.1	762.8	821.6	827.7
37.5°	330.8	331.9	344.0	358.0	384.9	416.3	471.8	536.7	626.4	716.7	769.7
40°	285.6	287.7	296.7	310.5	329.8	353.7	396.9	458.1	532.9	633.4	715.5
42.5°	256.6	260.0	264.7	275.4	287.3	309.6	344.6	391.8	459.9	554.9	649.6
45°	221.2	223.1	226.6	231.6	242.4	257.8	281.3	313.2	369.6	446.1	540.9
47.5°	195.1	194.1	197.8	201.8	209.0	219.6	235.4	261.3	301.5	362.9	443.3
50°	177.4	177.1	179.8	182.8	189.7	197.4	210.4	229.8	261.9	312.7	386.4
52.5°	160.9	161.7	163.6	167.3	172.3	178.5	190.2	204.3	231.8	275.6	337.0
55°	138.9	139.6	142.1	144.2	147.7	154.1	161.4	173.2	192.0	222.6	273.2
57.5°	120.2	119.9	122.3	122.9	126.8	132.0	137.6	146.8	160.5	183.2	217.2
60°	107.8	107.0	109.2	110.8	112.9	117.1	121.9	130.8	141.7	158.3	187.5
62.5°	96.4	96.1	97.7	99.4	101.1	104.9	108.9	115.7	124.3	138.4	161.6
65°	80.0	80.7	81.4	82.1	83.0	85.4	89.2	93.9	99.8	109.7	126.3
67.5°	62.9	63.6	63.8	65.2	67.3	68.8	71.1	75.2	79.4	87.7	97.1
70°	50.8	50.6	50.8	51.5	54.1	56.7	59.8	62.8	65.4	71.3	79.3
72.5°	43.6	43.2	43.8	44.0	45.2	45.9	47.9	50.8	54.1	58.1	63.8
75°	33.8	33.8	33.8	33.8	34.8	35.2	36.0	36.7	37.9	39.8	44.0
77.5°	25.0	25.0	25.4	25.7	25.9	26.2	26.6	27.3	27.7	28.7	30.5
80°	19.8	20.0	19.8	20.0	20.0	20.5	20.7	21.4	21.6	22.8	23.5
82.5°	14.8	14.7	14.8	15.1	15.1	15.6	15.7	16.2	16.2	16.8	17.5
85°	8.0	7.6	8.0	7.8	8.3	7.8	8.0	8.5	8.5	8.7	9.7
87.5°	6.4	6.7	6.3	6.4	6.3	6.4	6.3	6.2	6.4	6.1	5.8
90°	22.5	22.1	21.8	21.5	21.1	20.7	20.0	19.3	18.7	18.0	15.9
92.5°	30.3	30.5	30.7	30.9	31.1	30.9	30.4	29.9	29.3	28.8	27.6
95°	58.5	58.5	58.5	58.5	58.5	58.2	57.5	56.8	56.1	55.4	54.1
97.5°	90.0	90.0	90.1	90.2	90.2	89.9	89.1	88.4	87.6	86.8	85.8
100°	113.9	113.6	113.3	112.9	112.6	112.2	111.7	111.2	110.7	110.2	109.4
102.5°	138.6	138.6	138.7	138.8	138.8	138.6	138.0	137.5	137.0	136.5	135.4
105°	178.4	178.0	177.7	177.4	177.0	176.9	176.9	176.9	176.9	176.9	175.4
107.5°	219.9	220.2	220.4	220.6	220.8	220.6	220.0	219.4	218.9	218.4	217.8
110°	248.1	248.4	248.7	249.1	249.4	249.2	248.6	247.9	247.3	246.6	246.3



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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	278.1	278.1	278.2	278.3	278.3	278.0	277.2	276.4	275.6	274.8	274.7
115°	319.3	319.5	319.6	319.8	320.0	320.0	319.8	319.6	319.5	319.3	319.6
117.5°	361.1	361.6	362.0	362.5	363.0	363.2	363.2	363.3	363.3	363.3	363.9
120°	390.5	390.8	391.2	391.5	391.8	392.1	392.2	392.4	392.6	392.7	393.6
122.5°	418.7	419.2	419.6	420.1	420.6	421.0	421.4	421.9	422.3	422.7	423.2
125°	461.0	461.6	462.3	463.0	463.6	464.3	464.9	465.6	466.4	467.0	467.3
127.5°	503.1	503.9	504.6	505.4	506.1	507.1	508.0	508.9	509.8	510.8	511.1
130°	530.7	531.9	533.0	534.2	535.3	536.2	536.9	537.7	538.3	539.0	539.5
132.5°	559.5	560.4	561.3	562.2	563.1	563.9	564.7	565.5	566.3	567.1	567.4
135°	604.1	604.5	604.8	605.1	605.5	606.0	606.6	607.3	607.9	608.6	608.8
137.5°	643.6	644.2	644.8	645.5	646.1	646.8	647.4	648.1	648.8	649.5	649.1
140°	669.3	670.6	671.7	672.9	674.0	674.7	674.9	675.0	675.2	675.4	675.2
142.5°	695.7	696.6	697.5	698.4	699.3	699.8	700.0	700.2	700.3	700.5	700.2
145°	733.9	734.5	735.2	735.8	736.5	736.9	737.1	737.2	737.4	737.6	737.1
147.5°	767.7	768.7	769.7	770.7	771.7	772.2	772.2	772.2	772.2	772.2	771.7
150°	789.3	790.3	791.3	792.2	793.2	793.8	793.8	793.8	793.8	793.8	793.5
152.5°	810.3	811.1	812.0	812.8	813.7	814.1	813.7	813.5	813.2	812.9	812.7
155°	838.8	839.9	841.1	842.2	843.4	843.6	843.0	842.3	841.7	841.0	840.8
157.5°	864.6	865.7	866.6	867.5	868.4	868.6	867.9	867.2	866.5	865.8	865.7
160°	881.5	882.1	882.8	883.5	884.1	884.0	883.2	882.4	881.6	880.7	880.7
162.5°	894.0	895.1	896.3	897.3	898.4	898.5	897.7	896.8	896.0	895.1	895.0
165°	912.2	913.4	914.5	915.7	916.9	917.0	915.9	914.9	913.9	912.9	912.9
167.5°	927.7	928.7	929.7	930.8	931.8	931.8	930.8	929.7	928.7	927.7	927.6
170°	935.4	936.6	937.8	939.0	940.1	940.1	939.0	937.8	936.6	935.4	935.4
172.5°	941.5	942.6	943.8	944.9	946.1	946.1	945.1	944.1	943.1	942.0	942.0
175°	948.2	949.4	950.5	951.7	952.9	952.9	951.9	951.0	950.0	949.0	949.0
177.5°	951.8	952.7	953.6	954.6	955.5	955.6	954.8	954.0	953.2	952.4	952.4
180°	954.2	954.2	954.2	954.2	954.2	954.2	954.2	954.2	954.2	954.2	954.2



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CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	549.6	549.6	549.6	549.6	549.6	549.6	549.6	549.6	549.6	549.6	549.6
2.5°	567.4	566.9	564.3	561.3	557.3	554.7	552.6	551.5	548.1	543.9	541.2
5°	602.6	595.5	587.9	578.8	570.3	561.6	556.2	549.9	542.1	533.4	527.3
7.5°	640.1	626.2	611.4	595.9	580.8	567.1	555.0	544.7	532.4	519.9	511.2
10°	668.9	648.6	627.7	606.3	586.8	568.5	554.3	540.5	525.6	511.3	500.4
12.5°	695.1	668.4	644.3	617.9	593.0	571.1	550.8	534.4	516.5	501.3	489.0
15°	728.2	700.8	671.8	631.7	598.5	570.8	546.0	524.6	503.0	484.2	472.2
17.5°	759.1	718.1	678.8	645.5	602.4	567.7	537.6	512.0	488.2	468.3	453.4
20°	771.9	732.2	689.6	647.0	604.7	565.8	530.8	502.5	477.9	455.2	441.6
22.5°	779.6	734.7	689.7	644.0	599.1	558.7	524.0	492.9	466.2	444.7	427.9
25°	788.6	735.0	685.6	640.5	594.5	550.8	509.6	476.7	447.8	425.0	407.1
27.5°	794.6	731.4	673.1	622.9	576.3	532.8	495.0	460.1	430.7	406.6	387.4
30°	795.7	728.6	663.5	609.2	561.9	521.8	481.8	448.5	417.4	391.7	373.9
32.5°	797.2	721.6	650.5	592.8	544.3	504.7	468.5	436.6	404.8	379.5	361.2
35°	791.0	717.8	630.8	564.4	515.9	477.6	444.9	415.5	384.3	359.7	341.1
37.5°	764.3	702.6	610.4	532.5	481.8	446.4	419.7	394.0	365.4	338.9	321.4
40°	737.4	687.5	594.5	513.1	460.2	423.7	399.7	378.8	351.0	326.3	307.5
42.5°	697.3	666.9	579.5	492.8	435.8	400.6	380.3	360.7	336.4	311.2	293.6
45°	623.7	627.7	548.7	460.4	401.8	366.6	347.5	333.9	312.3	291.5	273.4
47.5°	531.5	568.9	512.5	426.0	366.2	333.1	316.4	304.5	289.8	269.5	253.0
50°	471.3	524.6	483.5	402.8	343.8	310.8	294.4	284.7	272.0	256.0	240.2
52.5°	415.8	473.1	448.5	377.0	319.4	289.3	273.3	265.3	255.2	240.1	225.9
55°	339.0	397.2	391.5	338.1	283.1	256.0	243.8	234.8	228.0	216.7	205.4
57.5°	274.3	329.3	332.2	294.8	251.0	224.2	213.7	206.9	202.5	194.0	183.5
60°	233.4	284.0	293.9	265.6	228.0	204.5	194.1	188.6	185.2	178.3	170.4
62.5°	199.5	242.6	253.8	233.5	206.0	183.9	175.8	170.7	168.2	162.4	155.3
65°	152.7	188.4	199.2	188.0	173.6	156.0	149.4	144.9	142.8	139.6	134.3
67.5°	114.8	140.9	152.8	144.8	139.6	128.5	124.3	121.9	120.0	117.8	113.4
70°	92.2	111.5	123.7	121.7	117.4	111.5	108.5	106.8	104.9	103.0	99.3
72.5°	74.1	87.5	98.9	100.0	96.5	95.3	92.6	91.9	90.8	88.6	86.4
75°	49.2	58.4	66.3	69.4	70.8	72.0	70.8	70.6	70.4	68.5	67.3
77.5°	32.2	37.2	42.2	47.5	49.7	51.2	51.6	52.5	51.8	50.9	50.3
80°	24.7	25.9	29.4	33.8	37.4	38.8	39.8	40.2	40.0	39.8	38.8
82.5°	18.0	18.9	20.6	23.7	26.7	29.0	29.6	29.5	30.0	30.2	29.4
85°	9.7	9.9	10.4	10.8	12.4	15.0	15.8	16.3	16.7	16.7	15.2
87.5°	5.8	5.2	5.0	4.6	4.9	4.7	5.6	6.2	6.7	6.3	6.6
90°	13.6	11.5	9.3	7.4	5.8	4.0	2.4	0.7	2.4	4.0	5.8
92.5°	26.4	25.0	23.8	22.6	21.5	20.4	19.3	18.2	19.3	20.4	21.5
95°	52.8	51.5	50.1	48.9	47.8	46.6	45.3	44.2	45.3	46.6	47.8
97.5°	84.8	83.9	82.9	82.0	81.2	80.3	79.4	78.6	79.4	80.3	81.2
100°	108.6	107.7	106.8	105.9	104.9	103.9	102.9	101.9	102.9	103.9	104.9
102.5°	134.4	133.3	132.2	131.3	130.7	130.2	129.6	129.0	129.6	130.2	130.7
105°	173.9	172.4	170.9	170.0	169.7	169.4	169.0	168.6	169.0	169.4	169.7
107.5°	217.2	216.6	216.0	215.6	215.4	215.2	215.0	214.8	215.0	215.2	215.4
110°	245.9	245.6	245.3	244.9	244.6	244.3	244.0	243.6	244.0	244.3	244.6



TEST NUMBER: P332395-840

CATALOG NUMBER: S123RDIW-S340D755U840-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	274.7	274.6	274.5	274.4	274.2	274.0	273.8	273.6	273.8	274.0	274.2
115°	320.0	320.3	320.6	320.5	320.0	319.5	319.0	318.6	319.0	319.5	320.0
117.5°	364.3	364.7	365.2	365.2	364.9	364.5	364.2	363.9	364.2	364.5	364.9
120°	394.5	395.3	396.1	396.1	395.1	394.0	393.0	392.0	393.0	394.0	395.1
122.5°	423.6	424.0	424.4	424.3	423.6	422.8	422.1	421.4	422.1	422.8	423.6
125°	467.7	468.0	468.3	468.3	467.8	467.3	466.8	466.3	466.8	467.3	467.8
127.5°	511.5	511.9	512.2	511.9	510.8	509.8	508.7	507.6	508.7	509.8	510.8
130°	540.0	540.5	541.0	540.5	539.2	537.9	536.5	535.2	536.5	537.9	539.2
132.5°	567.8	568.3	568.6	568.2	566.7	565.4	564.1	562.8	564.1	565.4	566.7
135°	608.9	609.2	609.4	608.8	607.9	606.9	605.9	604.9	605.9	606.9	607.9
137.5°	648.7	648.2	647.8	647.2	646.4	645.5	644.7	643.9	644.7	645.5	646.4
140°	675.0	674.9	674.7	674.2	673.4	672.6	671.7	670.9	671.7	672.6	673.4
142.5°	699.9	699.6	699.3	698.7	697.9	697.1	696.3	695.5	696.3	697.1	697.9
145°	736.6	736.1	735.6	735.2	734.8	734.5	734.2	733.9	734.2	734.5	734.8
147.5°	771.2	770.8	770.3	769.8	769.2	768.6	768.0	767.4	768.0	768.6	769.2
150°	793.1	792.7	792.4	792.1	791.8	791.4	791.1	790.8	791.1	791.4	791.8
152.5°	812.5	812.3	812.1	811.8	811.4	810.9	810.4	810.0	810.4	810.9	811.4
155°	840.7	840.5	840.3	840.3	840.3	840.3	840.3	840.3	840.3	840.3	840.3
157.5°	865.5	865.4	865.3	865.3	865.5	865.7	865.9	866.1	865.9	865.7	865.5
160°	880.7	880.7	880.7	880.9	881.2	881.6	881.9	882.2	881.9	881.6	881.2
162.5°	894.8	894.7	894.6	894.7	895.2	895.6	896.2	896.7	896.2	895.6	895.2
165°	912.9	912.9	912.9	913.2	913.7	914.2	914.7	915.2	914.7	914.2	913.7
167.5°	927.4	927.3	927.2	927.4	928.1	928.8	929.4	930.1	929.4	928.8	928.1
170°	935.4	935.4	935.4	935.7	936.4	937.2	937.8	938.5	937.8	937.2	936.4
172.5°	942.0	942.0	942.0	942.4	943.0	943.7	944.4	945.0	944.4	943.7	943.0
175°	949.0	949.0	949.0	949.3	950.0	950.6	951.3	951.9	951.3	950.6	950.0
177.5°	952.4	952.4	952.4	952.7	953.2	953.7	954.2	954.8	954.2	953.7	953.2
180°	954.2	954.2	954.2	954.2	954.2	954.2	954.2	954.2	954.2	954.2	954.2



TEST NUMBER: P332395-840

CATALOG NUMBER: S123RDIW-S340D755U840-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	549.6	549.6	549.6	549.6	549.6	549.6	549.6	549.6	549.6	549.6	549.6
2.5°	540.2	537.8	536.0	532.3	529.9	527.3	524.6	526.2	526.0	525.9	525.9
5°	522.1	516.6	511.7	505.3	501.4	496.4	492.7	492.2	493.1	489.9	488.0
7.5°	504.1	496.8	489.7	482.7	475.2	469.3	465.6	463.8	461.5	459.5	457.4
10°	491.5	482.8	475.9	467.3	459.3	452.2	447.8	444.6	443.0	441.4	438.3
12.5°	478.5	470.0	461.3	451.4	443.8	435.7	432.3	428.9	425.8	423.8	419.7
15°	459.5	448.5	439.3	428.9	420.4	412.4	407.8	400.9	400.0	397.6	393.3
17.5°	440.4	428.5	415.8	408.1	398.6	390.2	383.0	380.8	374.1	371.5	367.8
20°	425.4	414.3	404.7	394.6	380.7	372.9	367.3	364.3	358.8	355.5	353.1
22.5°	412.4	401.1	390.0	378.2	366.8	358.0	353.9	349.1	346.2	341.5	339.0
25°	393.8	381.6	368.2	355.5	347.3	340.7	334.1	329.8	325.6	323.5	318.8
27.5°	372.3	359.5	347.0	337.3	327.2	320.7	314.8	311.0	305.9	302.4	299.7
30°	360.4	345.4	334.6	325.9	313.0	306.8	302.4	297.6	293.9	290.1	287.5
32.5°	346.7	333.0	322.8	311.9	302.1	295.3	289.5	285.4	282.2	278.6	276.0
35°	325.2	313.7	303.1	292.3	284.9	278.1	271.2	267.7	264.7	261.4	259.0
37.5°	305.7	294.9	284.8	274.6	265.5	259.9	254.5	251.8	247.6	245.4	243.1
40°	293.7	283.1	272.3	262.4	253.0	248.7	243.8	239.7	236.0	234.3	231.8
42.5°	280.4	269.8	260.7	250.1	242.4	236.6	232.1	227.7	224.9	222.5	221.1
45°	260.9	251.6	242.6	232.0	224.7	219.7	214.6	210.6	208.0	206.3	203.8
47.5°	242.0	232.6	223.5	214.3	207.2	201.6	196.3	193.6	190.2	188.1	186.4
50°	228.2	219.7	210.2	201.7	194.6	188.9	184.7	181.2	178.1	175.5	174.3
52.5°	215.6	206.6	198.2	190.4	182.9	176.5	172.7	169.0	166.6	163.7	162.3
55°	194.8	186.1	179.0	171.3	164.0	158.5	153.9	150.6	148.2	144.9	143.1
57.5°	175.3	167.4	159.1	152.3	144.8	140.3	136.3	131.9	129.0	126.4	124.5
60°	162.1	153.2	145.8	139.6	132.9	127.0	123.5	120.0	116.9	114.3	112.7
62.5°	148.3	140.6	133.6	126.7	120.7	115.5	111.5	108.6	105.8	104.2	102.5
65°	127.2	121.2	114.1	108.5	102.8	99.1	95.7	93.2	91.3	90.1	88.7
67.5°	107.9	102.0	95.8	90.3	86.4	83.6	81.5	79.3	78.3	76.7	75.8
70°	95.3	89.2	83.7	79.5	75.7	73.6	72.2	70.6	69.7	67.8	66.9
72.5°	81.6	77.2	73.2	69.8	66.8	64.8	63.0	61.0	59.5	57.4	56.5
75°	64.2	60.2	57.2	54.8	52.9	50.4	47.8	45.6	44.9	44.2	44.0
77.5°	47.6	45.0	42.8	40.8	38.5	36.7	36.1	35.5	35.4	35.0	35.0
80°	37.4	35.0	33.4	31.1	29.7	29.7	29.7	29.2	29.4	29.4	29.4
82.5°	27.8	25.7	24.7	23.9	23.6	23.8	23.8	23.9	23.7	24.1	23.9
85°	14.3	14.5	15.0	14.8	15.0	15.0	15.6	15.2	15.6	15.0	15.6
87.5°	6.8	7.7	8.3	9.0	9.6	9.8	10.1	10.3	10.6	10.7	10.8
90°	7.4	9.3	11.5	13.6	15.9	18.0	18.7	19.3	20.0	20.7	21.1
92.5°	22.6	23.8	25.0	26.4	27.6	28.8	29.3	29.9	30.4	30.9	31.1
95°	48.9	50.1	51.5	52.8	54.1	55.4	56.1	56.8	57.5	58.2	58.5
97.5°	82.0	82.9	83.9	84.8	85.8	86.8	87.6	88.4	89.1	89.9	90.2
100°	105.9	106.8	107.7	108.6	109.4	110.2	110.7	111.2	111.7	112.2	112.6
102.5°	131.3	132.2	133.3	134.4	135.4	136.5	137.0	137.5	138.0	138.6	138.8
105°	170.0	170.9	172.4	173.9	175.4	176.9	176.9	176.9	176.9	176.9	177.0
107.5°	215.6	216.0	216.6	217.2	217.8	218.4	218.9	219.4	220.0	220.6	220.8
110°	244.9	245.3	245.6	245.9	246.3	246.6	247.3	247.9	248.6	249.2	249.4



TEST NUMBER: P332395-840

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CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	274.4	274.5	274.6	274.7	274.7	274.8	275.6	276.4	277.2	278.0	278.3
115°	320.5	320.6	320.3	320.0	319.6	319.3	319.5	319.6	319.8	320.0	320.0
117.5°	365.2	365.2	364.7	364.3	363.9	363.3	363.3	363.3	363.2	363.2	363.0
120°	396.1	396.1	395.3	394.5	393.6	392.7	392.6	392.4	392.2	392.1	391.8
122.5°	424.3	424.4	424.0	423.6	423.2	422.7	422.3	421.9	421.4	421.0	420.6
125°	468.3	468.3	468.0	467.7	467.3	467.0	466.4	465.6	464.9	464.3	463.6
127.5°	511.9	512.2	511.9	511.5	511.1	510.8	509.8	508.9	508.0	507.1	506.1
130°	540.5	541.0	540.5	540.0	539.5	539.0	538.3	537.7	536.9	536.2	535.3
132.5°	568.2	568.6	568.3	567.8	567.4	567.1	566.3	565.5	564.7	563.9	563.1
135°	608.8	609.4	609.2	608.9	608.8	608.6	607.9	607.3	606.6	606.0	605.5
137.5°	647.2	647.8	648.2	648.7	649.1	649.5	648.8	648.1	647.4	646.8	646.1
140°	674.2	674.7	674.9	675.0	675.2	675.4	675.2	675.0	674.9	674.7	674.0
142.5°	698.7	699.3	699.6	699.9	700.2	700.5	700.3	700.2	700.0	699.8	699.3
145°	735.2	735.6	736.1	736.6	737.1	737.6	737.4	737.2	737.1	736.9	736.5
147.5°	769.8	770.3	770.8	771.2	771.7	772.2	772.2	772.2	772.2	772.2	771.7
150°	792.1	792.4	792.7	793.1	793.5	793.8	793.8	793.8	793.8	793.8	793.2
152.5°	811.8	812.1	812.3	812.5	812.7	812.9	813.2	813.5	813.7	814.1	813.7
155°	840.3	840.3	840.5	840.7	840.8	841.0	841.7	842.3	843.0	843.6	843.4
157.5°	865.3	865.3	865.4	865.5	865.7	865.8	866.5	867.2	867.9	868.6	868.4
160°	880.9	880.7	880.7	880.7	880.7	880.7	881.6	882.4	883.2	884.0	884.1
162.5°	894.7	894.6	894.7	894.8	895.0	895.1	896.0	896.8	897.7	898.5	898.4
165°	913.2	912.9	912.9	912.9	912.9	912.9	913.9	914.9	915.9	917.0	916.9
167.5°	927.4	927.2	927.3	927.4	927.6	927.7	928.7	929.7	930.8	931.8	931.8
170°	935.7	935.4	935.4	935.4	935.4	935.4	936.6	937.8	939.0	940.1	940.1
172.5°	942.4	942.0	942.0	942.0	942.0	942.0	943.1	944.1	945.1	946.1	946.1
175°	949.3	949.0	949.0	949.0	949.0	949.0	950.0	951.0	951.9	952.9	952.9
177.5°	952.7	952.4	952.4	952.4	952.4	952.4	953.2	954.0	954.8	955.6	955.5
180°	954.2	954.2	954.2	954.2	954.2	954.2	954.2	954.2	954.2	954.2	954.2



TEST NUMBER: P332395-840

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CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	549.6	549.6	549.6	549.6	549.6	549.6	549.6	549.6	549.6	549.6	549.6
2.5°	523.6	523.4	523.6	522.9	523.6	523.4	523.6	525.9	525.9	526.0	526.2
5°	487.3	487.1	486.4	484.2	486.4	487.1	487.3	488.0	489.9	493.1	492.2
7.5°	455.4	455.1	453.1	453.1	453.1	455.1	455.4	457.4	459.5	461.5	463.8
10°	436.7	436.9	434.0	432.4	434.0	436.9	436.7	438.3	441.4	443.0	444.6
12.5°	418.4	417.4	415.1	413.2	415.1	417.4	418.4	419.7	423.8	425.8	428.9
15°	394.4	391.9	386.4	386.8	386.4	391.9	394.4	393.3	397.6	400.0	400.9
17.5°	366.0	364.3	364.2	360.8	364.2	364.3	366.0	367.8	371.5	374.1	380.8
20°	349.4	348.2	348.7	345.4	348.7	348.2	349.4	353.1	355.5	358.8	364.3
22.5°	336.4	335.2	333.3	332.2	333.3	335.2	336.4	339.0	341.5	346.2	349.1
25°	317.4	315.5	313.7	314.8	313.7	315.5	317.4	318.8	323.5	325.6	329.8
27.5°	298.4	297.0	295.1	294.9	295.1	297.0	298.4	299.7	302.4	305.9	311.0
30°	286.3	284.9	284.0	282.8	284.0	284.9	286.3	287.5	290.1	293.9	297.6
32.5°	274.1	273.8	272.2	271.9	272.2	273.8	274.1	276.0	278.6	282.2	285.4
35°	258.1	256.7	256.2	256.4	256.2	256.7	258.1	259.0	261.4	264.7	267.7
37.5°	242.9	241.1	240.1	239.3	240.1	241.1	242.9	243.1	245.4	247.6	251.8
40°	232.0	230.1	229.6	229.1	229.6	230.1	232.0	231.8	234.3	236.0	239.7
42.5°	219.7	219.0	218.7	217.8	218.7	219.0	219.7	221.1	222.5	224.9	227.7
45°	203.1	202.8	201.4	201.9	201.4	202.8	203.1	203.8	206.3	208.0	210.6
47.5°	185.4	184.4	183.4	184.1	183.4	184.4	185.4	186.4	188.1	190.2	193.6
50°	173.4	172.9	170.8	171.3	170.8	172.9	173.4	174.3	175.5	178.1	181.2
52.5°	161.4	159.6	158.8	158.4	158.8	159.6	161.4	162.3	163.7	166.6	169.0
55°	141.4	139.3	138.4	137.8	138.4	139.3	141.4	143.1	144.9	148.2	150.6
57.5°	121.8	121.3	120.5	121.0	120.5	121.3	121.8	124.5	126.4	129.0	131.9
60°	110.4	110.4	110.4	110.1	110.4	110.4	110.4	112.7	114.3	116.9	120.0
62.5°	101.5	100.9	100.8	101.1	100.8	100.9	101.5	102.5	104.2	105.8	108.6
65°	88.0	87.8	86.8	86.5	86.8	87.8	88.0	88.7	90.1	91.3	93.2
67.5°	75.2	74.4	74.1	73.8	74.1	74.4	75.2	75.8	76.7	78.3	79.3
70°	65.6	65.1	63.7	64.0	63.7	65.1	65.6	66.9	67.8	69.7	70.6
72.5°	55.3	54.8	54.5	54.2	54.5	54.8	55.3	56.5	57.4	59.5	61.0
75°	43.7	43.5	43.3	44.2	43.3	43.5	43.7	44.0	44.2	44.9	45.6
77.5°	35.0	35.0	35.2	34.8	35.2	35.0	35.0	35.0	35.0	35.4	35.5
80°	29.4	29.4	29.2	29.2	29.2	29.4	29.4	29.4	29.4	29.4	29.2
82.5°	23.5	23.7	23.9	23.5	23.9	23.7	23.5	23.9	24.1	23.7	23.9
85°	15.6	15.2	15.8	15.6	15.8	15.2	15.6	15.6	15.0	15.6	15.2
87.5°	11.3	10.9	11.0	11.3	11.0	10.9	11.3	10.8	10.7	10.6	10.3
90°	21.5	21.8	22.1	22.5	22.1	21.8	21.5	21.1	20.7	20.0	19.3
92.5°	30.9	30.7	30.5	30.3	30.5	30.7	30.9	31.1	30.9	30.4	29.9
95°	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.2	57.5	56.8
97.5°	90.2	90.1	90.0	90.0	90.0	90.1	90.2	90.2	89.9	89.1	88.4
100°	112.9	113.3	113.6	113.9	113.6	113.3	112.9	112.6	112.2	111.7	111.2
102.5°	138.8	138.7	138.6	138.6	138.6	138.7	138.8	138.8	138.6	138.0	137.5
105°	177.4	177.7	178.0	178.4	178.0	177.7	177.4	177.0	176.9	176.9	176.9
107.5°	220.6	220.4	220.2	219.9	220.2	220.4	220.6	220.8	220.6	220.0	219.4
110°	249.1	248.7	248.4	248.1	248.4	248.7	249.1	249.4	249.2	248.6	247.9



TEST NUMBER: P332395-840

CATALOG NUMBER: S123RDIW-S340D755U840-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	278.3	278.2	278.1	278.1	278.1	278.2	278.3	278.3	278.0	277.2	276.4
115°	319.8	319.6	319.5	319.3	319.5	319.6	319.8	320.0	320.0	319.8	319.6
117.5°	362.5	362.0	361.6	361.1	361.6	362.0	362.5	363.0	363.2	363.2	363.3
120°	391.5	391.2	390.8	390.5	390.8	391.2	391.5	391.8	392.1	392.2	392.4
122.5°	420.1	419.6	419.2	418.7	419.2	419.6	420.1	420.6	421.0	421.4	421.9
125°	463.0	462.3	461.6	461.0	461.6	462.3	463.0	463.6	464.3	464.9	465.6
127.5°	505.4	504.6	503.9	503.1	503.9	504.6	505.4	506.1	507.1	508.0	508.9
130°	534.2	533.0	531.9	530.7	531.9	533.0	534.2	535.3	536.2	536.9	537.7
132.5°	562.2	561.3	560.4	559.5	560.4	561.3	562.2	563.1	563.9	564.7	565.5
135°	605.1	604.8	604.5	604.1	604.5	604.8	605.1	605.5	606.0	606.6	607.3
137.5°	645.5	644.8	644.2	643.6	644.2	644.8	645.5	646.1	646.8	647.4	648.1
140°	672.9	671.7	670.6	669.3	670.6	671.7	672.9	674.0	674.7	674.9	675.0
142.5°	698.4	697.5	696.6	695.7	696.6	697.5	698.4	699.3	699.8	700.0	700.2
145°	735.8	735.2	734.5	733.9	734.5	735.2	735.8	736.5	736.9	737.1	737.2
147.5°	770.7	769.7	768.7	767.7	768.7	769.7	770.7	771.7	772.2	772.2	772.2
150°	792.2	791.3	790.3	789.3	790.3	791.3	792.2	793.2	793.8	793.8	793.8
152.5°	812.8	812.0	811.1	810.3	811.1	812.0	812.8	813.7	814.1	813.7	813.5
155°	842.2	841.1	839.9	838.8	839.9	841.1	842.2	843.4	843.6	843.0	842.3
157.5°	867.5	866.6	865.7	864.6	865.7	866.6	867.5	868.4	868.6	867.9	867.2
160°	883.5	882.8	882.1	881.5	882.1	882.8	883.5	884.1	884.0	883.2	882.4
162.5°	897.3	896.3	895.1	894.0	895.1	896.3	897.3	898.4	898.5	897.7	896.8
165°	915.7	914.5	913.4	912.2	913.4	914.5	915.7	916.9	917.0	915.9	914.9
167.5°	930.8	929.7	928.7	927.7	928.7	929.7	930.8	931.8	931.8	930.8	929.7
170°	939.0	937.8	936.6	935.4	936.6	937.8	939.0	940.1	940.1	939.0	937.8
172.5°	944.9	943.8	942.6	941.5	942.6	943.8	944.9	946.1	946.1	945.1	944.1
175°	951.7	950.5	949.4	948.2	949.4	950.5	951.7	952.9	952.9	951.9	951.0
177.5°	954.6	953.6	952.7	951.8	952.7	953.6	954.6	955.5	955.6	954.8	954.0
180°	954.2	954.2	954.2	954.2	954.2	954.2	954.2	954.2	954.2	954.2	954.2



TEST NUMBER: P332395-840

CATALOG NUMBER: S123RDIW-S340D755U840-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	549.6	549.6	549.6	549.6	549.6	549.6	549.6	549.6	549.6	549.6	549.6
2.5°	524.6	527.3	529.9	532.3	536.0	537.8	540.2	541.2	543.9	548.1	551.5
5°	492.7	496.4	501.4	505.3	511.7	516.6	522.1	527.3	533.4	542.1	549.9
7.5°	465.6	469.3	475.2	482.7	489.7	496.8	504.1	511.2	519.9	532.4	544.7
10°	447.8	452.2	459.3	467.3	475.9	482.8	491.5	500.4	511.3	525.6	540.5
12.5°	432.3	435.7	443.8	451.4	461.3	470.0	478.5	489.0	501.3	516.5	534.4
15°	407.8	412.4	420.4	428.9	439.3	448.5	459.5	472.2	484.2	503.0	524.6
17.5°	383.0	390.2	398.6	408.1	415.8	428.5	440.4	453.4	468.3	488.2	512.0
20°	367.3	372.9	380.7	394.6	404.7	414.3	425.4	441.6	455.2	477.9	502.5
22.5°	353.9	358.0	366.8	378.2	390.0	401.1	412.4	427.9	444.7	466.2	492.9
25°	334.1	340.7	347.3	355.5	368.2	381.6	393.8	407.1	425.0	447.8	476.7
27.5°	314.8	320.7	327.2	337.3	347.0	359.5	372.3	387.4	406.6	430.7	460.1
30°	302.4	306.8	313.0	325.9	334.6	345.4	360.4	373.9	391.7	417.4	448.5
32.5°	289.5	295.3	302.1	311.9	322.8	333.0	346.7	361.2	379.5	404.8	436.6
35°	271.2	278.1	284.9	292.3	303.1	313.7	325.2	341.1	359.7	384.3	415.5
37.5°	254.5	259.9	265.5	274.6	284.8	294.9	305.7	321.4	338.9	365.4	394.0
40°	243.8	248.7	253.0	262.4	272.3	283.1	293.7	307.5	326.3	351.0	378.8
42.5°	232.1	236.6	242.4	250.1	260.7	269.8	280.4	293.6	311.2	336.4	360.7
45°	214.6	219.7	224.7	232.0	242.6	251.6	260.9	273.4	291.5	312.3	333.9
47.5°	196.3	201.6	207.2	214.3	223.5	232.6	242.0	253.0	269.5	289.8	304.5
50°	184.7	188.9	194.6	201.7	210.2	219.7	228.2	240.2	256.0	272.0	284.7
52.5°	172.7	176.5	182.9	190.4	198.2	206.6	215.6	225.9	240.1	255.2	265.3
55°	153.9	158.5	164.0	171.3	179.0	186.1	194.8	205.4	216.7	228.0	234.8
57.5°	136.3	140.3	144.8	152.3	159.1	167.4	175.3	183.5	194.0	202.5	206.9
60°	123.5	127.0	132.9	139.6	145.8	153.2	162.1	170.4	178.3	185.2	188.6
62.5°	111.5	115.5	120.7	126.7	133.6	140.6	148.3	155.3	162.4	168.2	170.7
65°	95.7	99.1	102.8	108.5	114.1	121.2	127.2	134.3	139.6	142.8	144.9
67.5°	81.5	83.6	86.4	90.3	95.8	102.0	107.9	113.4	117.8	120.0	121.9
70°	72.2	73.6	75.7	79.5	83.7	89.2	95.3	99.3	103.0	104.9	106.8
72.5°	63.0	64.8	66.8	69.8	73.2	77.2	81.6	86.4	88.6	90.8	91.9
75°	47.8	50.4	52.9	54.8	57.2	60.2	64.2	67.3	68.5	70.4	70.6
77.5°	36.1	36.7	38.5	40.8	42.8	45.0	47.6	50.3	50.9	51.8	52.5
80°	29.7	29.7	29.7	31.1	33.4	35.0	37.4	38.8	39.8	40.0	40.2
82.5°	23.8	23.8	23.6	23.9	24.7	25.7	27.8	29.4	30.2	30.0	29.5
85°	15.6	15.0	15.0	14.8	15.0	14.5	14.3	15.2	16.7	16.7	16.3
87.5°	10.1	9.8	9.6	9.0	8.3	7.7	6.8	6.6	6.3	6.7	6.2
90°	18.7	18.0	15.9	13.6	11.5	9.3	7.4	5.8	4.0	2.4	0.7
92.5°	29.3	28.8	27.6	26.4	25.0	23.8	22.6	21.5	20.4	19.3	18.2
95°	56.1	55.4	54.1	52.8	51.5	50.1	48.9	47.8	46.6	45.3	44.2
97.5°	87.6	86.8	85.8	84.8	83.9	82.9	82.0	81.2	80.3	79.4	78.6
100°	110.7	110.2	109.4	108.6	107.7	106.8	105.9	104.9	103.9	102.9	101.9
102.5°	137.0	136.5	135.4	134.4	133.3	132.2	131.3	130.7	130.2	129.6	129.0
105°	176.9	176.9	175.4	173.9	172.4	170.9	170.0	169.7	169.4	169.0	168.6
107.5°	218.9	218.4	217.8	217.2	216.6	216.0	215.6	215.4	215.2	215.0	214.8
110°	247.3	246.6	246.3	245.9	245.6	245.3	244.9	244.6	244.3	244.0	243.6



TEST NUMBER: P332395-840

CATALOG NUMBER: S123RDIW-S340D755U840-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	275.6	274.8	274.7	274.7	274.6	274.5	274.4	274.2	274.0	273.8	273.6
115°	319.5	319.3	319.6	320.0	320.3	320.6	320.5	320.0	319.5	319.0	318.6
117.5°	363.3	363.3	363.9	364.3	364.7	365.2	365.2	364.9	364.5	364.2	363.9
120°	392.6	392.7	393.6	394.5	395.3	396.1	396.1	395.1	394.0	393.0	392.0
122.5°	422.3	422.7	423.2	423.6	424.0	424.4	424.3	423.6	422.8	422.1	421.4
125°	466.4	467.0	467.3	467.7	468.0	468.3	468.3	467.8	467.3	466.8	466.3
127.5°	509.8	510.8	511.1	511.5	511.9	512.2	511.9	510.8	509.8	508.7	507.6
130°	538.3	539.0	539.5	540.0	540.5	541.0	540.5	539.2	537.9	536.5	535.2
132.5°	566.3	567.1	567.4	567.8	568.3	568.6	568.2	566.7	565.4	564.1	562.8
135°	607.9	608.6	608.8	608.9	609.2	609.4	608.8	607.9	606.9	605.9	604.9
137.5°	648.8	649.5	649.1	648.7	648.2	647.8	647.2	646.4	645.5	644.7	643.9
140°	675.2	675.4	675.2	675.0	674.9	674.7	674.2	673.4	672.6	671.7	670.9
142.5°	700.3	700.5	700.2	699.9	699.6	699.3	698.7	697.9	697.1	696.3	695.5
145°	737.4	737.6	737.1	736.6	736.1	735.6	735.2	734.8	734.5	734.2	733.9
147.5°	772.2	772.2	771.7	771.2	770.8	770.3	769.8	769.2	768.6	768.0	767.4
150°	793.8	793.8	793.5	793.1	792.7	792.4	792.1	791.8	791.4	791.1	790.8
152.5°	813.2	812.9	812.7	812.5	812.3	812.1	811.8	811.4	810.9	810.4	810.0
155°	841.7	841.0	840.8	840.7	840.5	840.3	840.3	840.3	840.3	840.3	840.3
157.5°	866.5	865.8	865.7	865.5	865.4	865.3	865.3	865.5	865.7	865.9	866.1
160°	881.6	880.7	880.7	880.7	880.7	880.7	880.9	881.2	881.6	881.9	882.2
162.5°	896.0	895.1	895.0	894.8	894.7	894.6	894.7	895.2	895.6	896.2	896.7
165°	913.9	912.9	912.9	912.9	912.9	912.9	913.2	913.7	914.2	914.7	915.2
167.5°	928.7	927.7	927.6	927.4	927.3	927.2	927.4	928.1	928.8	929.4	930.1
170°	936.6	935.4	935.4	935.4	935.4	935.4	935.7	936.4	937.2	937.8	938.5
172.5°	943.1	942.0	942.0	942.0	942.0	942.0	942.4	943.0	943.7	944.4	945.0
175°	950.0	949.0	949.0	949.0	949.0	949.0	949.3	950.0	950.6	951.3	951.9
177.5°	953.2	952.4	952.4	952.4	952.4	952.4	952.7	953.2	953.7	954.2	954.8
180°	954.2	954.2	954.2	954.2	954.2	954.2	954.2	954.2	954.2	954.2	954.2



TEST NUMBER: P332395-840

CATALOG NUMBER: S123RDIW-S340D755U840-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	549.6	549.6	549.6	549.6	549.6	549.6	549.6	549.6	549.6	549.6	549.6
2.5°	552.6	554.7	557.3	561.3	564.3	566.9	567.4	568.3	570.2	573.3	575.7
5°	556.2	561.6	570.3	578.8	587.9	595.5	602.6	607.5	612.2	622.1	630.1
7.5°	555.0	567.1	580.8	595.9	611.4	626.2	640.1	652.5	664.8	679.2	695.6
10°	554.3	568.5	586.8	606.3	627.7	648.6	668.9	684.7	703.0	719.5	740.4
12.5°	550.8	571.1	593.0	617.9	644.3	668.4	695.1	716.8	737.8	761.6	786.0
15°	546.0	570.8	598.5	631.7	671.8	700.8	728.2	766.1	791.9	817.8	852.6
17.5°	537.6	567.7	602.4	645.5	678.8	718.1	759.1	789.1	823.9	860.4	891.9
20°	530.8	565.8	604.7	647.0	689.6	732.2	771.9	807.7	843.7	885.9	911.7
22.5°	524.0	558.7	599.1	644.0	689.7	734.7	779.6	821.6	862.1	904.6	937.7
25°	509.6	550.8	594.5	640.5	685.6	735.0	788.6	835.5	885.6	929.4	960.7
27.5°	495.0	532.8	576.3	622.9	673.1	731.4	794.6	847.8	898.0	929.4	939.2
30°	481.8	521.8	561.9	609.2	663.5	728.6	795.7	856.7	897.8	911.5	901.3
32.5°	468.5	504.7	544.3	592.8	650.5	721.6	797.2	851.4	876.2	865.8	824.6
35°	444.9	477.6	515.9	564.4	630.8	717.8	791.0	827.7	821.6	762.8	685.1
37.5°	419.7	446.4	481.8	532.5	610.4	702.6	764.3	769.7	716.7	626.4	536.7
40°	399.7	423.7	460.2	513.1	594.5	687.5	737.4	715.5	633.4	532.9	458.1
42.5°	380.3	400.6	435.8	492.8	579.5	666.9	697.3	649.6	554.9	459.9	391.8
45°	347.5	366.6	401.8	460.4	548.7	627.7	623.7	540.9	446.1	369.6	313.2
47.5°	316.4	333.1	366.2	426.0	512.5	568.9	531.5	443.3	362.9	301.5	261.3
50°	294.4	310.8	343.8	402.8	483.5	524.6	471.3	386.4	312.7	261.9	229.8
52.5°	273.3	289.3	319.4	377.0	448.5	473.1	415.8	337.0	275.6	231.8	204.3
55°	243.8	256.0	283.1	338.1	391.5	397.2	339.0	273.2	222.6	192.0	173.2
57.5°	213.7	224.2	251.0	294.8	332.2	329.3	274.3	217.2	183.2	160.5	146.8
60°	194.1	204.5	228.0	265.6	293.9	284.0	233.4	187.5	158.3	141.7	130.8
62.5°	175.8	183.9	206.0	233.5	253.8	242.6	199.5	161.6	138.4	124.3	115.7
65°	149.4	156.0	173.6	188.0	199.2	188.4	152.7	126.3	109.7	99.8	93.9
67.5°	124.3	128.5	139.6	144.8	152.8	140.9	114.8	97.1	87.7	79.4	75.2
70°	108.5	111.5	117.4	121.7	123.7	111.5	92.2	79.3	71.3	65.4	62.8
72.5°	92.6	95.3	96.5	100.0	98.9	87.5	74.1	63.8	58.1	54.1	50.8
75°	70.8	72.0	70.8	69.4	66.3	58.4	49.2	44.0	39.8	37.9	36.7
77.5°	51.6	51.2	49.7	47.5	42.2	37.2	32.2	30.5	28.7	27.7	27.3
80°	39.8	38.8	37.4	33.8	29.4	25.9	24.7	23.5	22.8	21.6	21.4
82.5°	29.6	29.0	26.7	23.7	20.6	18.9	18.0	17.5	16.8	16.2	16.2
85°	15.8	15.0	12.4	10.8	10.4	9.9	9.7	9.7	8.7	8.5	8.5
87.5°	5.6	4.7	4.9	4.6	5.0	5.2	5.8	5.8	6.1	6.4	6.2
90°	2.4	4.0	5.8	7.4	9.3	11.5	13.6	15.9	18.0	18.7	19.3
92.5°	19.3	20.4	21.5	22.6	23.8	25.0	26.4	27.6	28.8	29.3	29.9
95°	45.3	46.6	47.8	48.9	50.1	51.5	52.8	54.1	55.4	56.1	56.8
97.5°	79.4	80.3	81.2	82.0	82.9	83.9	84.8	85.8	86.8	87.6	88.4
100°	102.9	103.9	104.9	105.9	106.8	107.7	108.6	109.4	110.2	110.7	111.2
102.5°	129.6	130.2	130.7	131.3	132.2	133.3	134.4	135.4	136.5	137.0	137.5
105°	169.0	169.4	169.7	170.0	170.9	172.4	173.9	175.4	176.9	176.9	176.9
107.5°	215.0	215.2	215.4	215.6	216.0	216.6	217.2	217.8	218.4	218.9	219.4
110°	244.0	244.3	244.6	244.9	245.3	245.6	245.9	246.3	246.6	247.3	247.9



TEST NUMBER: P332395-840

CATALOG NUMBER: S123RDIW-S340D755U840-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	273.8	274.0	274.2	274.4	274.5	274.6	274.7	274.7	274.8	275.6	276.4
115°	319.0	319.5	320.0	320.5	320.6	320.3	320.0	319.6	319.3	319.5	319.6
117.5°	364.2	364.5	364.9	365.2	365.2	364.7	364.3	363.9	363.3	363.3	363.3
120°	393.0	394.0	395.1	396.1	396.1	395.3	394.5	393.6	392.7	392.6	392.4
122.5°	422.1	422.8	423.6	424.3	424.4	424.0	423.6	423.2	422.7	422.3	421.9
125°	466.8	467.3	467.8	468.3	468.3	468.0	467.7	467.3	467.0	466.4	465.6
127.5°	508.7	509.8	510.8	511.9	512.2	511.9	511.5	511.1	510.8	509.8	508.9
130°	536.5	537.9	539.2	540.5	541.0	540.5	540.0	539.5	539.0	538.3	537.7
132.5°	564.1	565.4	566.7	568.2	568.6	568.3	567.8	567.4	567.1	566.3	565.5
135°	605.9	606.9	607.9	608.8	609.4	609.2	608.9	608.8	608.6	607.9	607.3
137.5°	644.7	645.5	646.4	647.2	647.8	648.2	648.7	649.1	649.5	648.8	648.1
140°	671.7	672.6	673.4	674.2	674.7	674.9	675.0	675.2	675.4	675.2	675.0
142.5°	696.3	697.1	697.9	698.7	699.3	699.6	699.9	700.2	700.5	700.3	700.2
145°	734.2	734.5	734.8	735.2	735.6	736.1	736.6	737.1	737.6	737.4	737.2
147.5°	768.0	768.6	769.2	769.8	770.3	770.8	771.2	771.7	772.2	772.2	772.2
150°	791.1	791.4	791.8	792.1	792.4	792.7	793.1	793.5	793.8	793.8	793.8
152.5°	810.4	810.9	811.4	811.8	812.1	812.3	812.5	812.7	812.9	813.2	813.5
155°	840.3	840.3	840.3	840.3	840.3	840.5	840.7	840.8	841.0	841.7	842.3
157.5°	865.9	865.7	865.5	865.3	865.3	865.4	865.5	865.7	865.8	866.5	867.2
160°	881.9	881.6	881.2	880.9	880.7	880.7	880.7	880.7	880.7	881.6	882.4
162.5°	896.2	895.6	895.2	894.7	894.6	894.7	894.8	895.0	895.1	896.0	896.8
165°	914.7	914.2	913.7	913.2	912.9	912.9	912.9	912.9	912.9	913.9	914.9
167.5°	929.4	928.8	928.1	927.4	927.2	927.3	927.4	927.6	927.7	928.7	929.7
170°	937.8	937.2	936.4	935.7	935.4	935.4	935.4	935.4	935.4	936.6	937.8
172.5°	944.4	943.7	943.0	942.4	942.0	942.0	942.0	942.0	942.0	943.1	944.1
175°	951.3	950.6	950.0	949.3	949.0	949.0	949.0	949.0	949.0	950.0	951.0
177.5°	954.2	953.7	953.2	952.7	952.4	952.4	952.4	952.4	952.4	953.2	954.0
180°	954.2	954.2	954.2	954.2	954.2	954.2	954.2	954.2	954.2	954.2	954.2



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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	549.6	549.6	549.6	549.6	549.6	549.6	549.6
2.5°	579.8	579.8	580.5	583.3	583.7	586.1	585.4
5°	637.1	641.6	643.3	650.4	654.5	656.4	652.7
7.5°	707.3	719.9	725.9	733.4	739.8	741.8	736.7
10°	758.5	771.7	782.7	789.6	796.0	800.2	805.6
12.5°	808.0	824.3	834.8	844.3	850.9	856.3	857.2
15°	861.8	886.3	904.8	918.6	925.3	928.9	927.5
17.5°	916.0	938.8	952.0	965.9	975.3	975.8	976.1
20°	946.7	968.9	984.2	994.5	1005.1	1004.6	1007.0
22.5°	967.2	984.7	996.4	1003.9	1007.5	1005.7	1006.2
25°	976.8	982.1	980.0	968.0	964.8	953.8	955.7
27.5°	927.4	902.9	877.6	845.1	819.3	798.8	799.8
30°	860.2	816.9	767.5	726.1	688.9	678.5	656.4
32.5°	766.3	701.4	643.5	604.8	573.0	564.3	545.0
35°	607.0	543.9	484.4	448.7	434.5	414.8	414.5
37.5°	471.8	416.3	384.9	358.0	344.0	331.9	330.8
40°	396.9	353.7	329.8	310.5	296.7	287.7	285.6
42.5°	344.6	309.6	287.3	275.4	264.7	260.0	256.6
45°	281.3	257.8	242.4	231.6	226.6	223.1	221.2
47.5°	235.4	219.6	209.0	201.8	197.8	194.1	195.1
50°	210.4	197.4	189.7	182.8	179.8	177.1	177.4
52.5°	190.2	178.5	172.3	167.3	163.6	161.7	160.9
55°	161.4	154.1	147.7	144.2	142.1	139.6	138.9
57.5°	137.6	132.0	126.8	122.9	122.3	119.9	120.2
60°	121.9	117.1	112.9	110.8	109.2	107.0	107.8
62.5°	108.9	104.9	101.1	99.4	97.7	96.1	96.4
65°	89.2	85.4	83.0	82.1	81.4	80.7	80.0
67.5°	71.1	68.8	67.3	65.2	63.8	63.6	62.9
70°	59.8	56.7	54.1	51.5	50.8	50.6	50.8
72.5°	47.9	45.9	45.2	44.0	43.8	43.2	43.6
75°	36.0	35.2	34.8	33.8	33.8	33.8	33.8
77.5°	26.6	26.2	25.9	25.7	25.4	25.0	25.0
80°	20.7	20.5	20.0	20.0	19.8	20.0	19.8
82.5°	15.7	15.6	15.1	15.1	14.8	14.7	14.8
85°	8.0	7.8	8.3	7.8	8.0	7.6	8.0
87.5°	6.3	6.4	6.3	6.4	6.3	6.7	6.4
90°	20.0	20.7	21.1	21.5	21.8	22.1	22.5
92.5°	30.4	30.9	31.1	30.9	30.7	30.5	30.3
95°	57.5	58.2	58.5	58.5	58.5	58.5	58.5
97.5°	89.1	89.9	90.2	90.2	90.1	90.0	90.0
100°	111.7	112.2	112.6	112.9	113.3	113.6	113.9
102.5°	138.0	138.6	138.8	138.8	138.7	138.6	138.6
105°	176.9	176.9	177.0	177.4	177.7	178.0	178.4
107.5°	220.0	220.6	220.8	220.6	220.4	220.2	219.9
110°	248.6	249.2	249.4	249.1	248.7	248.4	248.1



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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
112.5°	277.2	278.0	278.3	278.3	278.2	278.1	278.1
115°	319.8	320.0	320.0	319.8	319.6	319.5	319.3
117.5°	363.2	363.2	363.0	362.5	362.0	361.6	361.1
120°	392.2	392.1	391.8	391.5	391.2	390.8	390.5
122.5°	421.4	421.0	420.6	420.1	419.6	419.2	418.7
125°	464.9	464.3	463.6	463.0	462.3	461.6	461.0
127.5°	508.0	507.1	506.1	505.4	504.6	503.9	503.1
130°	536.9	536.2	535.3	534.2	533.0	531.9	530.7
132.5°	564.7	563.9	563.1	562.2	561.3	560.4	559.5
135°	606.6	606.0	605.5	605.1	604.8	604.5	604.1
137.5°	647.4	646.8	646.1	645.5	644.8	644.2	643.6
140°	674.9	674.7	674.0	672.9	671.7	670.6	669.3
142.5°	700.0	699.8	699.3	698.4	697.5	696.6	695.7
145°	737.1	736.9	736.5	735.8	735.2	734.5	733.9
147.5°	772.2	772.2	771.7	770.7	769.7	768.7	767.7
150°	793.8	793.8	793.2	792.2	791.3	790.3	789.3
152.5°	813.7	814.1	813.7	812.8	812.0	811.1	810.3
155°	843.0	843.6	843.4	842.2	841.1	839.9	838.8
157.5°	867.9	868.6	868.4	867.5	866.6	865.7	864.6
160°	883.2	884.0	884.1	883.5	882.8	882.1	881.5
162.5°	897.7	898.5	898.4	897.3	896.3	895.1	894.0
165°	915.9	917.0	916.9	915.7	914.5	913.4	912.2
167.5°	930.8	931.8	931.8	930.8	929.7	928.7	927.7
170°	939.0	940.1	940.1	939.0	937.8	936.6	935.4
172.5°	945.1	946.1	946.1	944.9	943.8	942.6	941.5
175°	951.9	952.9	952.9	951.7	950.5	949.4	948.2
177.5°	954.8	955.6	955.5	954.6	953.6	952.7	951.8
180°	954.2	954.2	954.2	954.2	954.2	954.2	954.2

(END OF REPORT)