

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

Luminaire Tested: **S123RDIW-S340D755U835-4F0-1E-UDD-A**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P332394
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-S340D755U835-4F0-1E-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: 4378.3 lumens
Efficiency: N/A
Efficacy: 144.0 lumens/watt
Spacing Criteria (0/90/45): 1.21 / 1.22 / 1.36
Luminous Opening: Rectangular (W 4' x L: 0.25' x H: 0')
CIE Type: Semi-Indirect

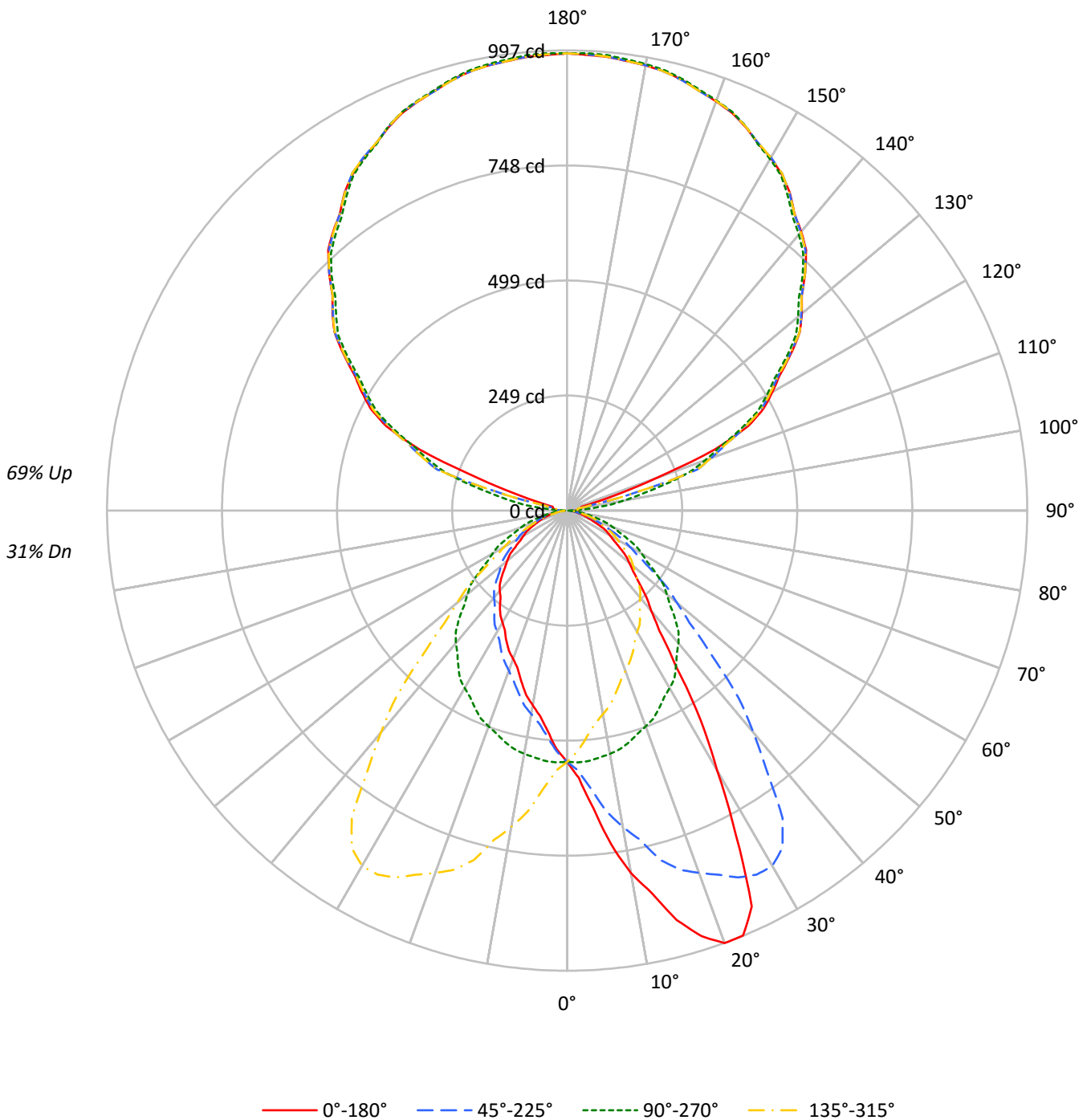
Input Watts (W): 30.4
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	5858	5858	5858	5858
5°	6983	5883	5181	5883
10°	8719	5850	4680	5850
15°	10234	5789	4268	5789
20°	11423	5700	3918	5700
25°	11240	5606	3702	5606
30°	8079	5520	3480	5520
35°	5394	5406	3336	5406
40°	3974	5271	3188	5271
45°	3334	5033	3043	5033
50°	2942	4721	2840	4721
55°	2580	4363	2562	4363
60°	2297	4021	2347	4021
65°	2017	3655	2183	3655
70°	1583	3330	1995	3330
75°	1393	2907	1822	2907
80°	1215	2467	1791	2467
85°	976	1988	1902	1988



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	53.5	1.2
10°-20°	167.2	3.8
20°-30°	262.7	6.0
30°-40°	274.1	6.3
40°-50°	234.5	5.4
50°-60°	178.8	4.1
60°-70°	114.6	2.6
70°-80°	55.1	1.3
80°-90°	17.4	0.4
90°-100°	36.0	0.8
100°-110°	171.6	3.9
110°-120°	412.3	9.4
120°-130°	525.0	12.0
130°-140°	560.9	12.8
140°-150°	524.5	12.0
150°-160°	423.1	9.7
160°-170°	273.1	6.2
170°-180°	94.1	2.1
0°-30°	483.4	11.0
0°-40°	757.5	17.3
0°-60°	1170.8	26.7
0°-90°	1357.8	31.0
90°-120°	619.9	14.2
90°-150°	2230.2	50.9
90°-180°	3020.0	69.0
0°-180°	4378.3	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	544	544	544	544	544	
5°	646	544	480	544	646	67
15°	918	520	383	520	918	260
25°	946	472	312	472	946	407
35°	410	411	254	411	410	269
45°	219	331	200	331	219	172
55°	138	232	136	232	138	124
65°	79	144	86	144	79	78
75°	34	70	44	70	34	36
85°	8	16	15	16	8	10
90°	22	1	22	1	22	10
95°	28	45	28	45	28	23
105°	32	219	32	219	32	74
115°	433	411	433	411	433	400
125°	592	580	592	580	592	528
135°	729	722	729	722	729	562
145°	841	833	841	833	841	525
155°	916	918	916	918	916	422
165°	965	968	965	968	965	273
175°	987	990	987	990	987	94
180°	990	990	990	990	990	



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	544.2	544.2	544.2	544.2	544.2	544.2	544.2	544.2	544.2	544.2	544.2
2.5°	579.7	580.4	578.0	577.6	574.8	574.1	574.1	570.1	567.7	564.6	562.7
5°	646.3	650.0	648.1	644.0	637.0	635.3	630.9	623.9	616.0	606.2	601.6
7.5°	729.5	734.6	732.6	726.2	718.8	712.9	700.4	688.8	672.6	658.3	646.1
10°	797.7	792.4	788.2	781.9	775.1	764.2	751.1	733.2	712.5	696.1	678.0
12.5°	848.8	847.9	842.6	836.1	826.6	816.2	800.1	778.3	754.2	730.6	709.8
15°	918.4	919.8	916.3	909.6	896.0	877.6	853.4	844.3	809.8	784.2	758.6
17.5°	966.6	966.3	965.8	956.5	942.7	929.6	907.1	883.2	852.0	815.9	781.4
20°	997.2	994.8	995.3	984.8	974.6	959.4	937.5	902.8	877.2	835.5	799.8
22.5°	996.4	995.9	997.7	994.1	986.7	975.1	957.8	928.5	895.8	853.7	813.6
25°	946.4	944.5	955.4	958.5	970.4	972.5	967.3	951.3	920.3	876.9	827.3
27.5°	792.0	791.0	811.3	836.8	869.0	894.1	918.3	930.0	920.3	889.2	839.5
30°	650.0	671.9	682.2	719.0	760.0	808.9	851.8	892.5	902.6	889.0	848.3
32.5°	539.7	558.8	567.4	598.9	637.2	694.5	758.8	816.5	857.3	867.6	843.1
35°	410.5	410.7	430.3	444.3	479.7	538.6	601.1	678.4	755.3	813.6	819.6
37.5°	327.6	328.7	340.6	354.5	381.1	412.2	467.2	531.5	620.3	709.7	762.2
40°	282.8	284.9	293.8	307.5	326.6	350.2	393.0	453.6	527.7	627.2	708.5
42.5°	254.1	257.5	262.1	272.7	284.5	306.6	341.2	388.0	455.4	549.5	643.3
45°	219.0	220.9	224.4	229.3	240.0	255.3	278.6	310.1	366.0	441.7	535.6
47.5°	193.2	192.2	195.9	199.8	207.0	217.5	233.1	258.7	298.6	359.4	439.0
50°	175.7	175.4	178.0	181.0	187.8	195.5	208.3	227.6	259.3	309.6	382.6
52.5°	159.3	160.1	162.0	165.7	170.6	176.8	188.3	202.3	229.5	272.9	333.7
55°	137.5	138.2	140.7	142.8	146.3	152.6	159.8	171.5	190.1	220.4	270.5
57.5°	119.0	118.7	121.1	121.7	125.6	130.7	136.3	145.4	158.9	181.4	215.1
60°	106.7	106.0	108.1	109.7	111.8	116.0	120.7	129.5	140.3	156.8	185.7
62.5°	95.5	95.2	96.7	98.4	100.1	103.9	107.8	114.6	123.1	137.0	160.0
65°	79.2	79.9	80.6	81.3	82.2	84.6	88.3	93.0	98.8	108.6	125.1
67.5°	62.3	63.0	63.2	64.6	66.6	68.1	70.4	74.5	78.6	86.8	96.2
70°	50.3	50.1	50.3	51.0	53.6	56.1	59.2	62.2	64.8	70.6	78.5
72.5°	43.2	42.8	43.4	43.6	44.8	45.5	47.4	50.3	53.6	57.5	63.2
75°	33.5	33.5	33.5	33.5	34.5	34.9	35.6	36.3	37.5	39.4	43.6
77.5°	24.8	24.8	25.2	25.4	25.6	25.9	26.3	27.0	27.4	28.4	30.2
80°	19.6	19.8	19.6	19.8	19.8	20.3	20.5	21.2	21.4	22.6	23.3
82.5°	14.7	14.6	14.7	15.0	15.0	15.4	15.5	16.0	16.0	16.6	17.3
85°	7.9	7.5	7.9	7.7	8.2	7.7	7.9	8.4	8.4	8.6	9.6
87.5°	6.3	6.6	6.1	6.3	6.2	6.3	6.2	6.0	6.3	6.0	5.7
90°	22.1	21.7	21.4	21.1	20.8	20.3	19.6	19.0	18.3	17.7	15.5
92.5°	24.4	24.2	24.0	23.8	23.6	23.0	22.0	20.9	19.9	18.8	17.2
95°	28.0	28.0	28.0	28.0	28.0	27.4	26.2	25.1	24.0	22.8	21.0
97.5°	30.3	30.2	30.0	29.8	29.7	28.9	27.6	26.3	25.0	23.7	35.5
100°	30.9	30.7	30.6	30.4	30.3	29.5	28.2	26.9	25.6	24.3	49.8
102.5°	31.5	31.2	30.9	30.6	30.3	32.2	36.3	40.3	44.4	48.4	76.3
105°	32.4	32.1	31.7	31.4	31.1	45.4	74.3	103.3	132.2	161.2	175.9
107.5°	101.7	123.5	145.3	167.1	189.0	210.5	231.7	252.9	274.1	295.4	293.1
110°	202.4	225.7	249.1	272.5	295.9	310.3	315.7	321.1	326.5	331.9	330.1



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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	347.2	352.1	357.1	362.0	366.9	369.4	369.3	369.2	369.1	369.0	367.2
115°	432.7	432.0	431.4	430.7	430.1	428.9	427.3	425.7	424.0	422.4	420.9
117.5°	480.7	480.5	480.4	480.3	480.1	479.4	478.1	476.8	475.5	474.2	473.4
120°	513.6	513.6	513.6	513.6	513.6	513.0	511.7	510.4	509.1	507.7	507.3
122.5°	546.0	545.9	545.7	545.6	545.5	545.0	544.0	543.1	542.2	541.3	540.7
125°	591.6	591.3	591.0	590.7	590.3	590.0	589.7	589.3	589.0	588.7	588.0
127.5°	635.5	635.8	636.1	636.5	636.8	636.7	636.2	635.7	635.1	634.6	633.8
130°	663.7	664.1	664.4	664.7	665.1	664.9	664.2	663.6	662.9	662.3	661.6
132.5°	689.6	690.1	690.6	691.0	691.5	691.4	690.7	690.1	689.4	688.8	688.2
135°	729.2	729.7	730.2	730.7	731.2	731.2	730.7	730.2	729.7	729.2	728.6
137.5°	766.5	766.8	767.1	767.5	767.8	767.6	766.8	766.0	765.2	764.4	764.1
140°	788.8	789.2	789.5	789.8	790.2	790.0	789.3	788.7	788.0	787.4	786.9
142.5°	809.4	809.9	810.4	810.8	811.3	811.2	810.7	810.2	809.7	809.2	808.7
145°	841.1	841.1	841.1	841.1	841.1	840.9	840.6	840.3	839.9	839.6	839.3
147.5°	864.6	865.4	866.1	866.9	867.6	867.9	867.5	867.2	866.9	866.5	866.2
150°	882.3	882.8	883.3	883.8	884.3	884.3	884.0	883.7	883.4	883.0	882.7
152.5°	896.4	897.2	897.9	898.7	899.4	899.5	898.9	898.3	897.7	897.2	897.0
155°	916.1	917.1	918.1	919.1	920.1	920.2	919.3	918.5	917.7	916.9	916.7
157.5°	932.8	934.1	935.3	936.6	937.9	938.0	937.0	936.1	935.1	934.1	934.3
160°	943.4	944.5	945.7	946.8	948.0	948.0	947.1	946.1	945.1	944.1	944.3
162.5°	953.4	954.4	955.4	956.4	957.4	957.4	956.3	955.2	954.1	952.9	953.1
165°	965.4	966.6	967.7	968.9	970.0	969.9	968.6	967.3	966.0	964.7	964.9
167.5°	974.1	975.4	976.7	978.1	979.4	979.4	978.1	976.7	975.4	974.1	974.1
170°	979.4	980.7	982.0	983.4	984.7	984.7	983.4	982.0	980.7	979.4	979.4
172.5°	982.4	983.8	985.3	986.7	988.1	988.2	986.9	985.6	984.3	983.0	982.8
175°	986.8	988.1	989.4	990.7	992.0	992.1	991.0	989.8	988.7	987.5	987.4
177.5°	988.1	989.4	990.7	992.0	993.3	993.5	992.4	991.4	990.3	989.3	989.2
180°	990.5	990.5	990.5	990.5	990.5	990.5	990.5	990.5	990.5	990.5	990.5



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CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	544.2	544.2	544.2	544.2	544.2	544.2	544.2	544.2	544.2	544.2	544.2
2.5°	561.9	561.4	558.8	555.8	551.9	549.3	547.2	546.1	542.7	538.6	535.9
5°	596.7	589.7	582.2	573.1	564.7	556.1	550.8	544.5	536.8	528.2	522.1
7.5°	633.8	620.1	605.4	590.1	575.1	561.6	549.6	539.4	527.2	514.8	506.2
10°	662.4	642.3	621.6	600.4	581.1	562.9	548.9	535.2	520.5	506.3	495.5
12.5°	688.3	661.9	638.0	611.9	587.2	565.5	545.4	529.2	511.5	496.4	484.2
15°	721.1	694.0	665.2	625.5	592.7	565.2	540.7	519.5	498.1	479.5	467.6
17.5°	751.7	711.1	672.2	639.2	596.5	562.2	532.3	507.0	483.4	463.7	449.0
20°	764.4	725.0	682.9	640.7	598.8	560.3	525.6	497.6	473.2	450.8	437.3
22.5°	772.0	727.5	683.0	637.7	593.2	553.2	518.9	488.1	461.6	440.4	423.7
25°	780.9	727.8	678.9	634.2	588.7	545.4	504.6	472.0	443.4	420.8	403.1
27.5°	786.8	724.3	666.5	616.8	570.7	527.6	490.2	455.6	426.5	402.6	383.6
30°	787.9	721.5	657.0	603.2	556.4	516.7	477.1	444.1	413.3	387.9	370.2
32.5°	789.4	714.6	644.1	587.0	539.0	499.8	463.9	432.3	400.8	375.8	357.7
35°	783.3	710.8	624.6	558.9	510.9	472.9	440.6	411.4	380.5	356.2	337.8
37.5°	756.8	695.7	604.4	527.3	477.1	442.0	415.6	390.2	361.8	335.6	318.3
40°	730.2	680.8	588.7	508.1	455.7	419.6	395.8	375.1	347.6	323.1	304.5
42.5°	690.5	660.4	573.8	488.0	431.5	396.7	376.6	357.2	333.1	308.2	290.7
45°	617.6	621.6	543.3	455.9	397.9	363.0	344.1	330.6	309.2	288.7	270.7
47.5°	526.3	563.3	507.5	421.8	362.6	329.8	313.3	301.5	287.0	266.9	250.5
50°	466.7	519.5	478.8	398.9	340.4	307.8	291.5	281.9	269.3	253.5	237.9
52.5°	411.7	468.5	444.1	373.3	316.3	286.5	270.6	262.7	252.7	237.8	223.7
55°	335.7	393.3	387.7	334.8	280.3	253.5	241.4	232.5	225.8	214.6	203.4
57.5°	271.6	326.1	329.0	291.9	248.5	222.0	211.6	204.9	200.5	192.1	181.7
60°	231.1	281.2	291.0	263.0	225.8	202.5	192.2	186.8	183.4	176.6	168.7
62.5°	197.6	240.2	251.3	231.2	204.0	182.1	174.1	169.0	166.6	160.8	153.8
65°	151.2	186.6	197.3	186.2	171.9	154.5	147.9	143.5	141.4	138.2	133.0
67.5°	113.7	139.5	151.3	143.4	138.2	127.2	123.1	120.7	118.8	116.6	112.3
70°	91.3	110.4	122.5	120.5	116.3	110.4	107.4	105.8	103.9	102.0	98.3
72.5°	73.4	86.6	97.9	99.0	95.6	94.4	91.7	91.0	89.9	87.7	85.6
75°	48.7	57.8	65.7	68.7	70.1	71.3	70.1	69.9	69.7	67.8	66.6
77.5°	31.9	36.8	41.8	47.0	49.2	50.7	51.1	52.0	51.3	50.4	49.8
80°	24.5	25.6	29.1	33.5	37.0	38.4	39.4	39.8	39.6	39.4	38.4
82.5°	17.8	18.7	20.4	23.5	26.4	28.7	29.3	29.2	29.7	29.9	29.1
85°	9.6	9.8	10.3	10.7	12.3	14.9	15.6	16.1	16.5	16.5	15.1
87.5°	5.7	5.1	5.0	4.6	4.9	4.7	5.5	6.1	6.6	6.2	6.5
90°	13.4	11.3	9.2	7.3	5.6	4.0	2.4	0.7	2.4	4.0	5.6
92.5°	15.6	14.0	12.4	11.9	12.3	12.8	13.2	13.7	13.2	12.8	12.3
95°	19.2	17.4	15.6	18.1	24.8	31.5	38.2	44.9	38.2	31.5	24.8
97.5°	47.2	59.0	70.8	78.2	81.2	84.2	87.2	90.2	87.2	84.2	81.2
100°	75.3	100.8	126.3	137.4	134.2	130.9	127.6	124.4	127.6	130.9	134.2
102.5°	104.1	132.0	159.9	172.6	170.3	167.9	165.6	163.2	165.6	167.9	170.3
105°	190.6	205.3	220.0	226.5	224.7	222.9	221.1	219.3	221.1	222.9	224.7
107.5°	290.7	288.4	286.1	284.2	282.8	281.3	279.9	278.4	279.9	281.3	282.8
110°	328.3	326.5	324.7	323.1	321.8	320.5	319.2	317.9	319.2	320.5	321.8



TEST NUMBER: P332394

CATALOG NUMBER: S123RDIW-S340D755U835-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	365.4	363.6	361.8	360.3	359.1	357.9	356.7	355.6	356.7	357.9	359.1
115°	419.4	418.0	416.5	415.3	414.3	413.3	412.3	411.3	412.3	413.3	414.3
117.5°	472.7	471.9	471.2	470.2	469.0	467.8	466.6	465.4	466.6	467.8	469.0
120°	506.8	506.3	505.8	504.8	503.3	501.9	500.4	498.9	500.4	501.9	503.3
122.5°	540.1	539.4	538.8	537.9	536.7	535.5	534.3	533.1	534.3	535.5	536.7
125°	587.4	586.7	586.1	585.1	583.8	582.5	581.2	579.9	581.2	582.5	583.8
127.5°	633.0	632.3	631.5	630.4	629.1	627.8	626.5	625.2	626.5	627.8	629.1
130°	661.0	660.3	659.7	658.7	657.4	656.1	654.8	653.4	654.8	656.1	657.4
132.5°	687.7	687.2	686.7	685.8	684.4	683.1	681.8	680.5	681.8	683.1	684.4
135°	727.9	727.3	726.6	725.8	724.8	723.8	722.9	721.9	722.9	723.8	724.8
137.5°	763.7	763.3	763.0	762.2	760.9	759.7	758.4	757.2	758.4	759.7	760.9
140°	786.4	785.9	785.4	784.7	783.7	782.7	781.7	780.7	781.7	782.7	783.7
142.5°	808.2	807.7	807.2	806.5	805.5	804.5	803.5	802.5	803.5	804.5	805.5
145°	839.0	838.6	838.3	837.6	836.4	835.3	834.1	833.0	834.1	835.3	836.4
147.5°	865.9	865.6	865.2	864.7	863.9	863.2	862.4	861.7	862.4	863.2	863.9
150°	882.4	882.1	881.7	881.3	880.8	880.3	879.8	879.4	879.8	880.3	880.8
152.5°	896.8	896.6	896.4	896.2	895.9	895.7	895.5	895.2	895.5	895.7	895.9
155°	916.6	916.4	916.2	916.3	916.6	917.0	917.3	917.6	917.3	917.0	916.6
157.5°	934.4	934.6	934.8	934.9	934.9	934.9	935.0	935.0	935.0	934.9	934.9
160°	944.4	944.6	944.8	944.9	945.1	945.3	945.4	945.6	945.4	945.3	945.1
162.5°	953.3	953.4	953.6	953.9	954.3	954.7	955.2	955.6	955.2	954.7	954.3
165°	965.0	965.2	965.4	965.7	966.2	966.7	967.2	967.7	967.2	966.7	966.2
167.5°	974.1	974.1	974.1	974.5	975.1	975.8	976.4	977.1	976.4	975.8	975.1
170°	979.4	979.4	979.4	979.8	980.4	981.1	981.7	982.4	981.7	981.1	980.4
172.5°	982.7	982.6	982.4	982.8	983.6	984.3	985.1	985.9	985.1	984.3	983.6
175°	987.2	987.0	986.9	987.2	988.0	988.8	989.6	990.5	989.6	988.8	988.0
177.5°	989.0	988.9	988.8	989.0	989.7	990.3	991.0	991.6	991.0	990.3	989.7
180°	990.5	990.5	990.5	990.5	990.5	990.5	990.5	990.5	990.5	990.5	990.5



TEST NUMBER: P332394

CATALOG NUMBER: S123RDIW-S340D755U835-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	544.2	544.2	544.2	544.2	544.2	544.2	544.2	544.2	544.2	544.2	544.2
2.5°	534.9	532.5	530.8	527.1	524.7	522.1	519.5	521.1	520.9	520.8	520.8
5°	517.0	511.6	506.7	500.4	496.5	491.6	487.9	487.4	488.3	485.1	483.2
7.5°	499.2	491.9	484.9	478.0	470.6	464.7	461.1	459.3	457.0	455.0	452.9
10°	486.7	478.1	471.3	462.7	454.8	447.8	443.4	440.3	438.7	437.1	434.0
12.5°	473.8	465.4	456.8	447.0	439.5	431.4	428.1	424.7	421.6	419.7	415.6
15°	455.0	444.1	435.0	424.7	416.3	408.4	403.8	397.0	396.1	393.7	389.5
17.5°	436.1	424.3	411.7	404.1	394.7	386.4	379.3	377.1	370.4	367.9	364.2
20°	421.2	410.3	400.7	390.7	377.0	369.3	363.7	360.7	355.3	352.0	349.7
22.5°	408.4	397.2	386.2	374.5	363.2	354.5	350.4	345.7	342.8	338.2	335.7
25°	390.0	377.9	364.6	352.0	343.9	337.4	330.8	326.6	322.4	320.3	315.7
27.5°	368.7	356.0	343.6	334.0	324.0	317.6	311.7	308.0	302.9	299.4	296.8
30°	356.9	342.0	331.3	322.7	309.9	303.8	299.4	294.7	291.0	287.3	284.7
32.5°	343.3	329.7	319.6	308.9	299.1	292.4	286.7	282.6	279.4	275.9	273.3
35°	322.0	310.6	300.1	289.4	282.1	275.4	268.6	265.1	262.1	258.8	256.5
37.5°	302.7	292.0	282.0	271.9	262.9	257.4	252.0	249.3	245.2	243.0	240.7
40°	290.8	280.3	269.6	259.8	250.5	246.3	241.4	237.4	233.7	232.0	229.5
42.5°	277.7	267.2	258.2	247.7	240.0	234.3	229.8	225.5	222.7	220.3	218.9
45°	258.4	249.1	240.2	229.7	222.5	217.6	212.5	208.5	206.0	204.3	201.8
47.5°	239.6	230.3	221.3	212.2	205.2	199.6	194.4	191.7	188.3	186.3	184.6
50°	226.0	217.6	208.1	199.7	192.7	187.1	182.9	179.4	176.4	173.8	172.6
52.5°	213.5	204.6	196.3	188.5	181.1	174.8	171.0	167.3	165.0	162.1	160.7
55°	192.9	184.3	177.3	169.6	162.4	157.0	152.4	149.1	146.8	143.5	141.7
57.5°	173.6	165.8	157.5	150.8	143.4	138.9	135.0	130.6	127.7	125.2	123.3
60°	160.5	151.7	144.4	138.2	131.6	125.8	122.3	118.8	115.8	113.2	111.6
62.5°	146.9	139.2	132.3	125.5	119.5	114.4	110.4	107.5	104.8	103.2	101.5
65°	126.0	120.0	113.0	107.4	101.8	98.1	94.8	92.3	90.4	89.2	87.8
67.5°	106.8	101.0	94.9	89.4	85.6	82.8	80.7	78.5	77.5	76.0	75.1
70°	94.4	88.3	82.9	78.7	75.0	72.9	71.5	69.9	69.0	67.1	66.2
72.5°	80.8	76.4	72.5	69.1	66.1	64.2	62.4	60.4	58.9	56.8	55.9
75°	63.6	59.6	56.6	54.3	52.4	49.9	47.3	45.2	44.5	43.8	43.6
77.5°	47.1	44.6	42.4	40.4	38.1	36.3	35.7	35.2	35.1	34.7	34.7
80°	37.0	34.7	33.1	30.8	29.4	29.4	29.4	28.9	29.1	29.1	29.1
82.5°	27.5	25.4	24.5	23.7	23.4	23.6	23.6	23.7	23.5	23.9	23.7
85°	14.2	14.4	14.9	14.7	14.9	14.9	15.4	15.1	15.4	14.9	15.4
87.5°	6.7	7.6	8.2	8.8	9.4	9.7	10.0	10.1	10.4	10.6	10.7
90°	7.3	9.2	11.3	13.4	15.5	17.7	18.3	19.0	19.6	20.3	20.8
92.5°	11.9	12.4	14.0	15.6	17.2	18.8	19.9	20.9	22.0	23.0	23.6
95°	18.1	15.6	17.4	19.2	21.0	22.8	24.0	25.1	26.2	27.4	28.0
97.5°	78.2	70.8	59.0	47.2	35.5	23.7	25.0	26.3	27.6	28.9	29.7
100°	137.4	126.3	100.8	75.3	49.8	24.3	25.6	26.9	28.2	29.5	30.3
102.5°	172.6	159.9	132.0	104.1	76.3	48.4	44.4	40.3	36.3	32.2	30.3
105°	226.5	220.0	205.3	190.6	175.9	161.2	132.2	103.3	74.3	45.4	31.1
107.5°	284.2	286.1	288.4	290.7	293.1	295.4	274.1	252.9	231.7	210.5	189.0
110°	323.1	324.7	326.5	328.3	330.1	331.9	326.5	321.1	315.7	310.3	295.9



TEST NUMBER: P332394

CATALOG NUMBER: S123RDIW-S340D755U835-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	360.3	361.8	363.6	365.4	367.2	369.0	369.1	369.2	369.3	369.4	366.9
115°	415.3	416.5	418.0	419.4	420.9	422.4	424.0	425.7	427.3	428.9	430.1
117.5°	470.2	471.2	471.9	472.7	473.4	474.2	475.5	476.8	478.1	479.4	480.1
120°	504.8	505.8	506.3	506.8	507.3	507.7	509.1	510.4	511.7	513.0	513.6
122.5°	537.9	538.8	539.4	540.1	540.7	541.3	542.2	543.1	544.0	545.0	545.5
125°	585.1	586.1	586.7	587.4	588.0	588.7	589.0	589.3	589.7	590.0	590.3
127.5°	630.4	631.5	632.3	633.0	633.8	634.6	635.1	635.7	636.2	636.7	636.8
130°	658.7	659.7	660.3	661.0	661.6	662.3	662.9	663.6	664.2	664.9	665.1
132.5°	685.8	686.7	687.2	687.7	688.2	688.8	689.4	690.1	690.7	691.4	691.5
135°	725.8	726.6	727.3	727.9	728.6	729.2	729.7	730.2	730.7	731.2	731.2
137.5°	762.2	763.0	763.3	763.7	764.1	764.4	765.2	766.0	766.8	767.6	767.8
140°	784.7	785.4	785.9	786.4	786.9	787.4	788.0	788.7	789.3	790.0	790.2
142.5°	806.5	807.2	807.7	808.2	808.7	809.2	809.7	810.2	810.7	811.2	811.3
145°	837.6	838.3	838.6	839.0	839.3	839.6	839.9	840.3	840.6	840.9	841.1
147.5°	864.7	865.2	865.6	865.9	866.2	866.5	866.9	867.2	867.5	867.9	867.6
150°	881.3	881.7	882.1	882.4	882.7	883.0	883.4	883.7	884.0	884.3	884.3
152.5°	896.2	896.4	896.6	896.8	897.0	897.2	897.7	898.3	898.9	899.5	899.4
155°	916.3	916.2	916.4	916.6	916.7	916.9	917.7	918.5	919.3	920.2	920.1
157.5°	934.9	934.8	934.6	934.4	934.3	934.1	935.1	936.1	937.0	938.0	937.9
160°	944.9	944.8	944.6	944.4	944.3	944.1	945.1	946.1	947.1	948.0	948.0
162.5°	953.9	953.6	953.4	953.3	953.1	952.9	954.1	955.2	956.3	957.4	957.4
165°	965.7	965.4	965.2	965.0	964.9	964.7	966.0	967.3	968.6	969.9	970.0
167.5°	974.5	974.1	974.1	974.1	974.1	974.1	975.4	976.7	978.1	979.4	979.4
170°	979.8	979.4	979.4	979.4	979.4	979.4	980.7	982.0	983.4	984.7	984.7
172.5°	982.8	982.4	982.6	982.7	982.8	983.0	984.3	985.6	986.9	988.2	988.1
175°	987.2	986.9	987.0	987.2	987.4	987.5	988.7	989.8	991.0	992.1	992.0
177.5°	989.0	988.8	988.9	989.0	989.2	989.3	990.3	991.4	992.4	993.5	993.3
180°	990.5	990.5	990.5	990.5	990.5	990.5	990.5	990.5	990.5	990.5	990.5



TEST NUMBER: P332394

CATALOG NUMBER: S123RDIW-S340D755U835-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	544.2	544.2	544.2	544.2	544.2	544.2	544.2	544.2	544.2	544.2	544.2
2.5°	518.5	518.3	518.5	517.8	518.5	518.3	518.5	520.8	520.8	520.9	521.1
5°	482.5	482.3	481.6	479.5	481.6	482.3	482.5	483.2	485.1	488.3	487.4
7.5°	451.0	450.7	448.7	448.7	448.7	450.7	451.0	452.9	455.0	457.0	459.3
10°	432.4	432.6	429.8	428.2	429.8	432.6	432.4	434.0	437.1	438.7	440.3
12.5°	414.3	413.3	411.0	409.2	411.0	413.3	414.3	415.6	419.7	421.6	424.7
15°	390.5	388.1	382.6	383.0	382.6	388.1	390.5	389.5	393.7	396.1	397.0
17.5°	362.4	360.7	360.6	357.3	360.6	360.7	362.4	364.2	367.9	370.4	377.1
20°	346.0	344.8	345.3	342.0	345.3	344.8	346.0	349.7	352.0	355.3	360.7
22.5°	333.1	331.9	330.0	329.0	330.0	331.9	333.1	335.7	338.2	342.8	345.7
25°	314.3	312.4	310.6	311.7	310.6	312.4	314.3	315.7	320.3	322.4	326.6
27.5°	295.5	294.1	292.2	292.0	292.2	294.1	295.5	296.8	299.4	302.9	308.0
30°	283.5	282.1	281.2	280.0	281.2	282.1	283.5	284.7	287.3	291.0	294.7
32.5°	271.4	271.1	269.5	269.2	269.5	271.1	271.4	273.3	275.9	279.4	282.6
35°	255.6	254.2	253.7	253.9	253.7	254.2	255.6	256.5	258.8	262.1	265.1
37.5°	240.5	238.7	237.8	237.0	237.8	238.7	240.5	240.7	243.0	245.2	249.3
40°	229.7	227.9	227.4	226.9	227.4	227.9	229.7	229.5	232.0	233.7	237.4
42.5°	217.6	216.9	216.6	215.7	216.6	216.9	217.6	218.9	220.3	222.7	225.5
45°	201.1	200.8	199.4	199.9	199.4	200.8	201.1	201.8	204.3	206.0	208.5
47.5°	183.6	182.6	181.6	182.3	181.6	182.6	183.6	184.6	186.3	188.3	191.7
50°	171.7	171.2	169.1	169.6	169.1	171.2	171.7	172.6	173.8	176.4	179.4
52.5°	159.8	158.0	157.2	156.9	157.2	158.0	159.8	160.7	162.1	165.0	167.3
55°	140.0	137.9	137.0	136.5	137.0	137.9	140.0	141.7	143.5	146.8	149.1
57.5°	120.6	120.1	119.3	119.8	119.3	120.1	120.6	123.3	125.2	127.7	130.6
60°	109.3	109.3	109.3	109.0	109.3	109.3	109.3	111.6	113.2	115.8	118.8
62.5°	100.5	99.9	99.8	100.1	99.8	99.9	100.5	101.5	103.2	104.8	107.5
65°	87.1	86.9	86.0	85.7	86.0	86.9	87.1	87.8	89.2	90.4	92.3
67.5°	74.5	73.7	73.4	73.1	73.4	73.7	74.5	75.1	76.0	77.5	78.5
70°	65.0	64.5	63.1	63.4	63.1	64.5	65.0	66.2	67.1	69.0	69.9
72.5°	54.8	54.3	54.0	53.7	54.0	54.3	54.8	55.9	56.8	58.9	60.4
75°	43.3	43.1	42.9	43.8	42.9	43.1	43.3	43.6	43.8	44.5	45.2
77.5°	34.7	34.7	34.9	34.5	34.9	34.7	34.7	34.7	34.7	35.1	35.2
80°	29.1	29.1	28.9	28.9	28.9	29.1	29.1	29.1	29.1	29.1	28.9
82.5°	23.3	23.5	23.7	23.3	23.7	23.5	23.3	23.7	23.9	23.5	23.7
85°	15.4	15.1	15.6	15.4	15.6	15.1	15.4	15.4	14.9	15.4	15.1
87.5°	11.1	10.8	10.9	11.1	10.9	10.8	11.1	10.7	10.6	10.4	10.1
90°	21.1	21.4	21.7	22.1	21.7	21.4	21.1	20.8	20.3	19.6	19.0
92.5°	23.8	24.0	24.2	24.4	24.2	24.0	23.8	23.6	23.0	22.0	20.9
95°	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	27.4	26.2	25.1
97.5°	29.8	30.0	30.2	30.3	30.2	30.0	29.8	29.7	28.9	27.6	26.3
100°	30.4	30.6	30.7	30.9	30.7	30.6	30.4	30.3	29.5	28.2	26.9
102.5°	30.6	30.9	31.2	31.5	31.2	30.9	30.6	30.3	32.2	36.3	40.3
105°	31.4	31.7	32.1	32.4	32.1	31.7	31.4	31.1	45.4	74.3	103.3
107.5°	167.1	145.3	123.5	101.7	123.5	145.3	167.1	189.0	210.5	231.7	252.9
110°	272.5	249.1	225.7	202.4	225.7	249.1	272.5	295.9	310.3	315.7	321.1



TEST NUMBER: P332394

CATALOG NUMBER: S123RDIW-S340D755U835-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	362.0	357.1	352.1	347.2	352.1	357.1	362.0	366.9	369.4	369.3	369.2
115°	430.7	431.4	432.0	432.7	432.0	431.4	430.7	430.1	428.9	427.3	425.7
117.5°	480.3	480.4	480.5	480.7	480.5	480.4	480.3	480.1	479.4	478.1	476.8
120°	513.6	513.6	513.6	513.6	513.6	513.6	513.6	513.6	513.0	511.7	510.4
122.5°	545.6	545.7	545.9	546.0	545.9	545.7	545.6	545.5	545.0	544.0	543.1
125°	590.7	591.0	591.3	591.6	591.3	591.0	590.7	590.3	590.0	589.7	589.3
127.5°	636.5	636.1	635.8	635.5	635.8	636.1	636.5	636.8	636.7	636.2	635.7
130°	664.7	664.4	664.1	663.7	664.1	664.4	664.7	665.1	664.9	664.2	663.6
132.5°	691.0	690.6	690.1	689.6	690.1	690.6	691.0	691.5	691.4	690.7	690.1
135°	730.7	730.2	729.7	729.2	729.7	730.2	730.7	731.2	731.2	730.7	730.2
137.5°	767.5	767.1	766.8	766.5	766.8	767.1	767.5	767.8	767.6	766.8	766.0
140°	789.8	789.5	789.2	788.8	789.2	789.5	789.8	790.2	790.0	789.3	788.7
142.5°	810.8	810.4	809.9	809.4	809.9	810.4	810.8	811.3	811.2	810.7	810.2
145°	841.1	841.1	841.1	841.1	841.1	841.1	841.1	841.1	840.9	840.6	840.3
147.5°	866.9	866.1	865.4	864.6	865.4	866.1	866.9	867.6	867.9	867.5	867.2
150°	883.8	883.3	882.8	882.3	882.8	883.3	883.8	884.3	884.3	884.0	883.7
152.5°	898.7	897.9	897.2	896.4	897.2	897.9	898.7	899.4	899.5	898.9	898.3
155°	919.1	918.1	917.1	916.1	917.1	918.1	919.1	920.1	920.2	919.3	918.5
157.5°	936.6	935.3	934.1	932.8	934.1	935.3	936.6	937.9	938.0	937.0	936.1
160°	946.8	945.7	944.5	943.4	944.5	945.7	946.8	948.0	948.0	947.1	946.1
162.5°	956.4	955.4	954.4	953.4	954.4	955.4	956.4	957.4	957.4	956.3	955.2
165°	968.9	967.7	966.6	965.4	966.6	967.7	968.9	970.0	969.9	968.6	967.3
167.5°	978.1	976.7	975.4	974.1	975.4	976.7	978.1	979.4	979.4	978.1	976.7
170°	983.4	982.0	980.7	979.4	980.7	982.0	983.4	984.7	984.7	983.4	982.0
172.5°	986.7	985.3	983.8	982.4	983.8	985.3	986.7	988.1	988.2	986.9	985.6
175°	990.7	989.4	988.1	986.8	988.1	989.4	990.7	992.0	992.1	991.0	989.8
177.5°	992.0	990.7	989.4	988.1	989.4	990.7	992.0	993.3	993.5	992.4	991.4
180°	990.5	990.5	990.5	990.5	990.5	990.5	990.5	990.5	990.5	990.5	990.5



TEST NUMBER: P332394

CATALOG NUMBER: S123RDIW-S340D755U835-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	544.2	544.2	544.2	544.2	544.2	544.2	544.2	544.2	544.2	544.2	544.2
2.5°	519.5	522.1	524.7	527.1	530.8	532.5	534.9	535.9	538.6	542.7	546.1
5°	487.9	491.6	496.5	500.4	506.7	511.6	517.0	522.1	528.2	536.8	544.5
7.5°	461.1	464.7	470.6	478.0	484.9	491.9	499.2	506.2	514.8	527.2	539.4
10°	443.4	447.8	454.8	462.7	471.3	478.1	486.7	495.5	506.3	520.5	535.2
12.5°	428.1	431.4	439.5	447.0	456.8	465.4	473.8	484.2	496.4	511.5	529.2
15°	403.8	408.4	416.3	424.7	435.0	444.1	455.0	467.6	479.5	498.1	519.5
17.5°	379.3	386.4	394.7	404.1	411.7	424.3	436.1	449.0	463.7	483.4	507.0
20°	363.7	369.3	377.0	390.7	400.7	410.3	421.2	437.3	450.8	473.2	497.6
22.5°	350.4	354.5	363.2	374.5	386.2	397.2	408.4	423.7	440.4	461.6	488.1
25°	330.8	337.4	343.9	352.0	364.6	377.9	390.0	403.1	420.8	443.4	472.0
27.5°	311.7	317.6	324.0	334.0	343.6	356.0	368.7	383.6	402.6	426.5	455.6
30°	299.4	303.8	309.9	322.7	331.3	342.0	356.9	370.2	387.9	413.3	444.1
32.5°	286.7	292.4	299.1	308.9	319.6	329.7	343.3	357.7	375.8	400.8	432.3
35°	268.6	275.4	282.1	289.4	300.1	310.6	322.0	337.8	356.2	380.5	411.4
37.5°	252.0	257.4	262.9	271.9	282.0	292.0	302.7	318.3	335.6	361.8	390.2
40°	241.4	246.3	250.5	259.8	269.6	280.3	290.8	304.5	323.1	347.6	375.1
42.5°	229.8	234.3	240.0	247.7	258.2	267.2	277.7	290.7	308.2	333.1	357.2
45°	212.5	217.6	222.5	229.7	240.2	249.1	258.4	270.7	288.7	309.2	330.6
47.5°	194.4	199.6	205.2	212.2	221.3	230.3	239.6	250.5	266.9	287.0	301.5
50°	182.9	187.1	192.7	199.7	208.1	217.6	226.0	237.9	253.5	269.3	281.9
52.5°	171.0	174.8	181.1	188.5	196.3	204.6	213.5	223.7	237.8	252.7	262.7
55°	152.4	157.0	162.4	169.6	177.3	184.3	192.9	203.4	214.6	225.8	232.5
57.5°	135.0	138.9	143.4	150.8	157.5	165.8	173.6	181.7	192.1	200.5	204.9
60°	122.3	125.8	131.6	138.2	144.4	151.7	160.5	168.7	176.6	183.4	186.8
62.5°	110.4	114.4	119.5	125.5	132.3	139.2	146.9	153.8	160.8	166.6	169.0
65°	94.8	98.1	101.8	107.4	113.0	120.0	126.0	133.0	138.2	141.4	143.5
67.5°	80.7	82.8	85.6	89.4	94.9	101.0	106.8	112.3	116.6	118.8	120.7
70°	71.5	72.9	75.0	78.7	82.9	88.3	94.4	98.3	102.0	103.9	105.8
72.5°	62.4	64.2	66.1	69.1	72.5	76.4	80.8	85.6	87.7	89.9	91.0
75°	47.3	49.9	52.4	54.3	56.6	59.6	63.6	66.6	67.8	69.7	69.9
77.5°	35.7	36.3	38.1	40.4	42.4	44.6	47.1	49.8	50.4	51.3	52.0
80°	29.4	29.4	29.4	30.8	33.1	34.7	37.0	38.4	39.4	39.6	39.8
82.5°	23.6	23.6	23.4	23.7	24.5	25.4	27.5	29.1	29.9	29.7	29.2
85°	15.4	14.9	14.9	14.7	14.9	14.4	14.2	15.1	16.5	16.5	16.1
87.5°	10.0	9.7	9.4	8.8	8.2	7.6	6.7	6.5	6.2	6.6	6.1
90°	18.3	17.7	15.5	13.4	11.3	9.2	7.3	5.6	4.0	2.4	0.7
92.5°	19.9	18.8	17.2	15.6	14.0	12.4	11.9	12.3	12.8	13.2	13.7
95°	24.0	22.8	21.0	19.2	17.4	15.6	18.1	24.8	31.5	38.2	44.9
97.5°	25.0	23.7	35.5	47.2	59.0	70.8	78.2	81.2	84.2	87.2	90.2
100°	25.6	24.3	49.8	75.3	100.8	126.3	137.4	134.2	130.9	127.6	124.4
102.5°	44.4	48.4	76.3	104.1	132.0	159.9	172.6	170.3	167.9	165.6	163.2
105°	132.2	161.2	175.9	190.6	205.3	220.0	226.5	224.7	222.9	221.1	219.3
107.5°	274.1	295.4	293.1	290.7	288.4	286.1	284.2	282.8	281.3	279.9	278.4
110°	326.5	331.9	330.1	328.3	326.5	324.7	323.1	321.8	320.5	319.2	317.9



TEST NUMBER: P332394

CATALOG NUMBER: S123RDIW-S340D755U835-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	369.1	369.0	367.2	365.4	363.6	361.8	360.3	359.1	357.9	356.7	355.6
115°	424.0	422.4	420.9	419.4	418.0	416.5	415.3	414.3	413.3	412.3	411.3
117.5°	475.5	474.2	473.4	472.7	471.9	471.2	470.2	469.0	467.8	466.6	465.4
120°	509.1	507.7	507.3	506.8	506.3	505.8	504.8	503.3	501.9	500.4	498.9
122.5°	542.2	541.3	540.7	540.1	539.4	538.8	537.9	536.7	535.5	534.3	533.1
125°	589.0	588.7	588.0	587.4	586.7	586.1	585.1	583.8	582.5	581.2	579.9
127.5°	635.1	634.6	633.8	633.0	632.3	631.5	630.4	629.1	627.8	626.5	625.2
130°	662.9	662.3	661.6	661.0	660.3	659.7	658.7	657.4	656.1	654.8	653.4
132.5°	689.4	688.8	688.2	687.7	687.2	686.7	685.8	684.4	683.1	681.8	680.5
135°	729.7	729.2	728.6	727.9	727.3	726.6	725.8	724.8	723.8	722.9	721.9
137.5°	765.2	764.4	764.1	763.7	763.3	763.0	762.2	760.9	759.7	758.4	757.2
140°	788.0	787.4	786.9	786.4	785.9	785.4	784.7	783.7	782.7	781.7	780.7
142.5°	809.7	809.2	808.7	808.2	807.7	807.2	806.5	805.5	804.5	803.5	802.5
145°	839.9	839.6	839.3	839.0	838.6	838.3	837.6	836.4	835.3	834.1	833.0
147.5°	866.9	866.5	866.2	865.9	865.6	865.2	864.7	863.9	863.2	862.4	861.7
150°	883.4	883.0	882.7	882.4	882.1	881.7	881.3	880.8	880.3	879.8	879.4
152.5°	897.7	897.2	897.0	896.8	896.6	896.4	896.2	895.9	895.7	895.5	895.2
155°	917.7	916.9	916.7	916.6	916.4	916.2	916.3	916.6	917.0	917.3	917.6
157.5°	935.1	934.1	934.3	934.4	934.6	934.8	934.9	934.9	934.9	935.0	935.0
160°	945.1	944.1	944.3	944.4	944.6	944.8	944.9	945.1	945.3	945.4	945.6
162.5°	954.1	952.9	953.1	953.3	953.4	953.6	953.9	954.3	954.7	955.2	955.6
165°	966.0	964.7	964.9	965.0	965.2	965.4	965.7	966.2	966.7	967.2	967.7
167.5°	975.4	974.1	974.1	974.1	974.1	974.1	974.5	975.1	975.8	976.4	977.1
170°	980.7	979.4	979.4	979.4	979.4	979.4	979.8	980.4	981.1	981.7	982.4
172.5°	984.3	983.0	982.8	982.7	982.6	982.4	982.8	983.6	984.3	985.1	985.9
175°	988.7	987.5	987.4	987.2	987.0	986.9	987.2	988.0	988.8	989.6	990.5
177.5°	990.3	989.3	989.2	989.0	988.9	988.8	989.0	989.7	990.3	991.0	991.6
180°	990.5	990.5	990.5	990.5	990.5	990.5	990.5	990.5	990.5	990.5	990.5



TEST NUMBER: P332394

CATALOG NUMBER: S123RDIW-S340D755U835-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	544.2	544.2	544.2	544.2	544.2	544.2	544.2	544.2	544.2	544.2	544.2
2.5°	547.2	549.3	551.9	555.8	558.8	561.4	561.9	562.7	564.6	567.7	570.1
5°	550.8	556.1	564.7	573.1	582.2	589.7	596.7	601.6	606.2	616.0	623.9
7.5°	549.6	561.6	575.1	590.1	605.4	620.1	633.8	646.1	658.3	672.6	688.8
10°	548.9	562.9	581.1	600.4	621.6	642.3	662.4	678.0	696.1	712.5	733.2
12.5°	545.4	565.5	587.2	611.9	638.0	661.9	688.3	709.8	730.6	754.2	778.3
15°	540.7	565.2	592.7	625.5	665.2	694.0	721.1	758.6	784.2	809.8	844.3
17.5°	532.3	562.2	596.5	639.2	672.2	711.1	751.7	781.4	815.9	852.0	883.2
20°	525.6	560.3	598.8	640.7	682.9	725.0	764.4	799.8	835.5	877.2	902.8
22.5°	518.9	553.2	593.2	637.7	683.0	727.5	772.0	813.6	853.7	895.8	928.5
25°	504.6	545.4	588.7	634.2	678.9	727.8	780.9	827.3	876.9	920.3	951.3
27.5°	490.2	527.6	570.7	616.8	666.5	724.3	786.8	839.5	889.2	920.3	930.0
30°	477.1	516.7	556.4	603.2	657.0	721.5	787.9	848.3	889.0	902.6	892.5
32.5°	463.9	499.8	539.0	587.0	644.1	714.6	789.4	843.1	867.6	857.3	816.5
35°	440.6	472.9	510.9	558.9	624.6	710.8	783.3	819.6	813.6	755.3	678.4
37.5°	415.6	442.0	477.1	527.3	604.4	695.7	756.8	762.2	709.7	620.3	531.5
40°	395.8	419.6	455.7	508.1	588.7	680.8	730.2	708.5	627.2	527.7	453.6
42.5°	376.6	396.7	431.5	488.0	573.8	660.4	690.5	643.3	549.5	455.4	388.0
45°	344.1	363.0	397.9	455.9	543.3	621.6	617.6	535.6	441.7	366.0	310.1
47.5°	313.3	329.8	362.6	421.8	507.5	563.3	526.3	439.0	359.4	298.6	258.7
50°	291.5	307.8	340.4	398.9	478.8	519.5	466.7	382.6	309.6	259.3	227.6
52.5°	270.6	286.5	316.3	373.3	444.1	468.5	411.7	333.7	272.9	229.5	202.3
55°	241.4	253.5	280.3	334.8	387.7	393.3	335.7	270.5	220.4	190.1	171.5
57.5°	211.6	222.0	248.5	291.9	329.0	326.1	271.6	215.1	181.4	158.9	145.4
60°	192.2	202.5	225.8	263.0	291.0	281.2	231.1	185.7	156.8	140.3	129.5
62.5°	174.1	182.1	204.0	231.2	251.3	240.2	197.6	160.0	137.0	123.1	114.6
65°	147.9	154.5	171.9	186.2	197.3	186.6	151.2	125.1	108.6	98.8	93.0
67.5°	123.1	127.2	138.2	143.4	151.3	139.5	113.7	96.2	86.8	78.6	74.5
70°	107.4	110.4	116.3	120.5	122.5	110.4	91.3	78.5	70.6	64.8	62.2
72.5°	91.7	94.4	95.6	99.0	97.9	86.6	73.4	63.2	57.5	53.6	50.3
75°	70.1	71.3	70.1	68.7	65.7	57.8	48.7	43.6	39.4	37.5	36.3
77.5°	51.1	50.7	49.2	47.0	41.8	36.8	31.9	30.2	28.4	27.4	27.0
80°	39.4	38.4	37.0	33.5	29.1	25.6	24.5	23.3	22.6	21.4	21.2
82.5°	29.3	28.7	26.4	23.5	20.4	18.7	17.8	17.3	16.6	16.0	16.0
85°	15.6	14.9	12.3	10.7	10.3	9.8	9.6	9.6	8.6	8.4	8.4
87.5°	5.5	4.7	4.9	4.6	5.0	5.1	5.7	5.7	6.0	6.3	6.0
90°	2.4	4.0	5.6	7.3	9.2	11.3	13.4	15.5	17.7	18.3	19.0
92.5°	13.2	12.8	12.3	11.9	12.4	14.0	15.6	17.2	18.8	19.9	20.9
95°	38.2	31.5	24.8	18.1	15.6	17.4	19.2	21.0	22.8	24.0	25.1
97.5°	87.2	84.2	81.2	78.2	70.8	59.0	47.2	35.5	23.7	25.0	26.3
100°	127.6	130.9	134.2	137.4	126.3	100.8	75.3	49.8	24.3	25.6	26.9
102.5°	165.6	167.9	170.3	172.6	159.9	132.0	104.1	76.3	48.4	44.4	40.3
105°	221.1	222.9	224.7	226.5	220.0	205.3	190.6	175.9	161.2	132.2	103.3
107.5°	279.9	281.3	282.8	284.2	286.1	288.4	290.7	293.1	295.4	274.1	252.9
110°	319.2	320.5	321.8	323.1	324.7	326.5	328.3	330.1	331.9	326.5	321.1



TEST NUMBER: P332394

CATALOG NUMBER: S123RDIW-S340D755U835-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	356.7	357.9	359.1	360.3	361.8	363.6	365.4	367.2	369.0	369.1	369.2
115°	412.3	413.3	414.3	415.3	416.5	418.0	419.4	420.9	422.4	424.0	425.7
117.5°	466.6	467.8	469.0	470.2	471.2	471.9	472.7	473.4	474.2	475.5	476.8
120°	500.4	501.9	503.3	504.8	505.8	506.3	506.8	507.3	507.7	509.1	510.4
122.5°	534.3	535.5	536.7	537.9	538.8	539.4	540.1	540.7	541.3	542.2	543.1
125°	581.2	582.5	583.8	585.1	586.1	586.7	587.4	588.0	588.7	589.0	589.3
127.5°	626.5	627.8	629.1	630.4	631.5	632.3	633.0	633.8	634.6	635.1	635.7
130°	654.8	656.1	657.4	658.7	659.7	660.3	661.0	661.6	662.3	662.9	663.6
132.5°	681.8	683.1	684.4	685.8	686.7	687.2	687.7	688.2	688.8	689.4	690.1
135°	722.9	723.8	724.8	725.8	726.6	727.3	727.9	728.6	729.2	729.7	730.2
137.5°	758.4	759.7	760.9	762.2	763.0	763.3	763.7	764.1	764.4	765.2	766.0
140°	781.7	782.7	783.7	784.7	785.4	785.9	786.4	786.9	787.4	788.0	788.7
142.5°	803.5	804.5	805.5	806.5	807.2	807.7	808.2	808.7	809.2	809.7	810.2
145°	834.1	835.3	836.4	837.6	838.3	838.6	839.0	839.3	839.6	839.9	840.3
147.5°	862.4	863.2	863.9	864.7	865.2	865.6	865.9	866.2	866.5	866.9	867.2
150°	879.8	880.3	880.8	881.3	881.7	882.1	882.4	882.7	883.0	883.4	883.7
152.5°	895.5	895.7	895.9	896.2	896.4	896.6	896.8	897.0	897.2	897.7	898.3
155°	917.3	917.0	916.6	916.3	916.2	916.4	916.6	916.7	916.9	917.7	918.5
157.5°	935.0	934.9	934.9	934.9	934.8	934.6	934.4	934.3	934.1	935.1	936.1
160°	945.4	945.3	945.1	944.9	944.8	944.6	944.4	944.3	944.1	945.1	946.1
162.5°	955.2	954.7	954.3	953.9	953.6	953.4	953.3	953.1	952.9	954.1	955.2
165°	967.2	966.7	966.2	965.7	965.4	965.2	965.0	964.9	964.7	966.0	967.3
167.5°	976.4	975.8	975.1	974.5	974.1	974.1	974.1	974.1	974.1	975.4	976.7
170°	981.7	981.1	980.4	979.8	979.4	979.4	979.4	979.4	979.4	980.7	982.0
172.5°	985.1	984.3	983.6	982.8	982.4	982.6	982.7	982.8	983.0	984.3	985.6
175°	989.6	988.8	988.0	987.2	986.9	987.0	987.2	987.4	987.5	988.7	989.8
177.5°	991.0	990.3	989.7	989.0	988.8	988.9	989.0	989.2	989.3	990.3	991.4
180°	990.5	990.5	990.5	990.5	990.5	990.5	990.5	990.5	990.5	990.5	990.5



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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	544.2	544.2	544.2	544.2	544.2	544.2	544.2
2.5°	574.1	574.1	574.8	577.6	578.0	580.4	579.7
5°	630.9	635.3	637.0	644.0	648.1	650.0	646.3
7.5°	700.4	712.9	718.8	726.2	732.6	734.6	729.5
10°	751.1	764.2	775.1	781.9	788.2	792.4	797.7
12.5°	800.1	816.2	826.6	836.1	842.6	847.9	848.8
15°	853.4	877.6	896.0	909.6	916.3	919.8	918.4
17.5°	907.1	929.6	942.7	956.5	965.8	966.3	966.6
20°	937.5	959.4	974.6	984.8	995.3	994.8	997.2
22.5°	957.8	975.1	986.7	994.1	997.7	995.9	996.4
25°	967.3	972.5	970.4	958.5	955.4	944.5	946.4
27.5°	918.3	894.1	869.0	836.8	811.3	791.0	792.0
30°	851.8	808.9	760.0	719.0	682.2	671.9	650.0
32.5°	758.8	694.5	637.2	598.9	567.4	558.8	539.7
35°	601.1	538.6	479.7	444.3	430.3	410.7	410.5
37.5°	467.2	412.2	381.1	354.5	340.6	328.7	327.6
40°	393.0	350.2	326.6	307.5	293.8	284.9	282.8
42.5°	341.2	306.6	284.5	272.7	262.1	257.5	254.1
45°	278.6	255.3	240.0	229.3	224.4	220.9	219.0
47.5°	233.1	217.5	207.0	199.8	195.9	192.2	193.2
50°	208.3	195.5	187.8	181.0	178.0	175.4	175.7
52.5°	188.3	176.8	170.6	165.7	162.0	160.1	159.3
55°	159.8	152.6	146.3	142.8	140.7	138.2	137.5
57.5°	136.3	130.7	125.6	121.7	121.1	118.7	119.0
60°	120.7	116.0	111.8	109.7	108.1	106.0	106.7
62.5°	107.8	103.9	100.1	98.4	96.7	95.2	95.5
65°	88.3	84.6	82.2	81.3	80.6	79.9	79.2
67.5°	70.4	68.1	66.6	64.6	63.2	63.0	62.3
70°	59.2	56.1	53.6	51.0	50.3	50.1	50.3
72.5°	47.4	45.5	44.8	43.6	43.4	42.8	43.2
75°	35.6	34.9	34.5	33.5	33.5	33.5	33.5
77.5°	26.3	25.9	25.6	25.4	25.2	24.8	24.8
80°	20.5	20.3	19.8	19.8	19.6	19.8	19.6
82.5°	15.5	15.4	15.0	15.0	14.7	14.6	14.7
85°	7.9	7.7	8.2	7.7	7.9	7.5	7.9
87.5°	6.2	6.3	6.2	6.3	6.1	6.6	6.3
90°	19.6	20.3	20.8	21.1	21.4	21.7	22.1
92.5°	22.0	23.0	23.6	23.8	24.0	24.2	24.4
95°	26.2	27.4	28.0	28.0	28.0	28.0	28.0
97.5°	27.6	28.9	29.7	29.8	30.0	30.2	30.3
100°	28.2	29.5	30.3	30.4	30.6	30.7	30.9
102.5°	36.3	32.2	30.3	30.6	30.9	31.2	31.5
105°	74.3	45.4	31.1	31.4	31.7	32.1	32.4
107.5°	231.7	210.5	189.0	167.1	145.3	123.5	101.7
110°	315.7	310.3	295.9	272.5	249.1	225.7	202.4



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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
112.5°	369.3	369.4	366.9	362.0	357.1	352.1	347.2
115°	427.3	428.9	430.1	430.7	431.4	432.0	432.7
117.5°	478.1	479.4	480.1	480.3	480.4	480.5	480.7
120°	511.7	513.0	513.6	513.6	513.6	513.6	513.6
122.5°	544.0	545.0	545.5	545.6	545.7	545.9	546.0
125°	589.7	590.0	590.3	590.7	591.0	591.3	591.6
127.5°	636.2	636.7	636.8	636.5	636.1	635.8	635.5
130°	664.2	664.9	665.1	664.7	664.4	664.1	663.7
132.5°	690.7	691.4	691.5	691.0	690.6	690.1	689.6
135°	730.7	731.2	731.2	730.7	730.2	729.7	729.2
137.5°	766.8	767.6	767.8	767.5	767.1	766.8	766.5
140°	789.3	790.0	790.2	789.8	789.5	789.2	788.8
142.5°	810.7	811.2	811.3	810.8	810.4	809.9	809.4
145°	840.6	840.9	841.1	841.1	841.1	841.1	841.1
147.5°	867.5	867.9	867.6	866.9	866.1	865.4	864.6
150°	884.0	884.3	884.3	883.8	883.3	882.8	882.3
152.5°	898.9	899.5	899.4	898.7	897.9	897.2	896.4
155°	919.3	920.2	920.1	919.1	918.1	917.1	916.1
157.5°	937.0	938.0	937.9	936.6	935.3	934.1	932.8
160°	947.1	948.0	948.0	946.8	945.7	944.5	943.4
162.5°	956.3	957.4	957.4	956.4	955.4	954.4	953.4
165°	968.6	969.9	970.0	968.9	967.7	966.6	965.4
167.5°	978.1	979.4	979.4	978.1	976.7	975.4	974.1
170°	983.4	984.7	984.7	983.4	982.0	980.7	979.4
172.5°	986.9	988.2	988.1	986.7	985.3	983.8	982.4
175°	991.0	992.1	992.0	990.7	989.4	988.1	986.8
177.5°	992.4	993.5	993.3	992.0	990.7	989.4	988.1
180°	990.5	990.5	990.5	990.5	990.5	990.5	990.5

(END OF REPORT)