

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: P332242

Luminaire Tested: **S123RDIP-S340D365U835-4F0-1E-UDD-A4**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P332242
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1807-864-17,
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: NEO-RAY
Catalog Number: S123RDIP-S340D365U835-4F0-1E-UDD-A4
Description: DEFINE 3 DIRECT-INDIRECT PENDANT LED LUMINAIRE
DOWNLIGHT 340 LUMENS PER FOOT, ASYMMETRIC DIFFUSER, REGRESSED HOUSING
UPLIGHT 365 LUMENS PER FOOT, BATWING OPTIC
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2669.8 lumens
Efficiency: N/A
Efficacy: 131.5 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: General Diffuse

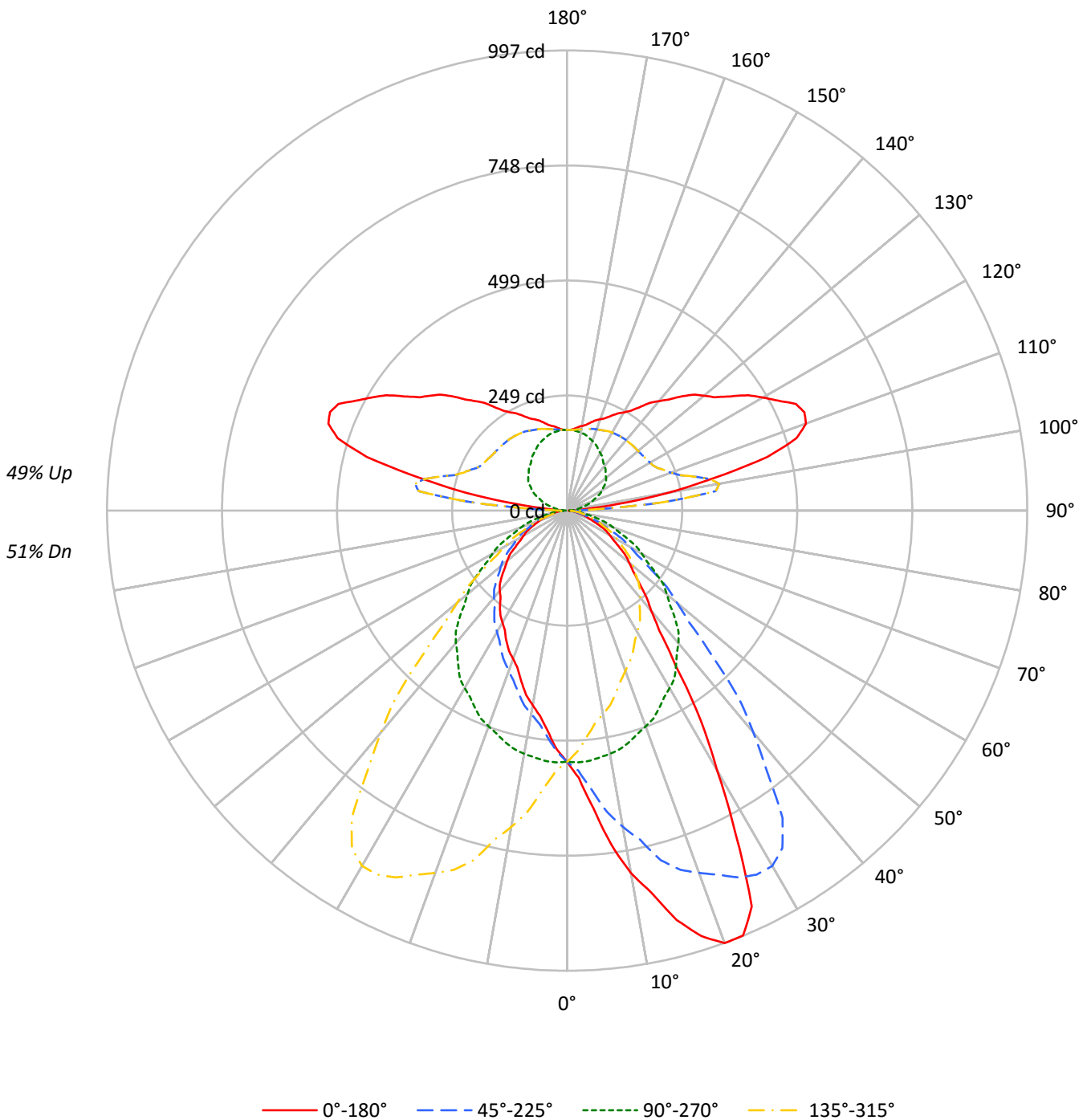
Input Watts (W): 20.3
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	107	107	107	107	99	99	99	99	84	84	84	70	70	70	57	57	57	51
1	99	94	91	87	91	87	84	81	74	72	70	62	61	59	51	50	49	44
2	90	83	77	72	83	77	72	68	66	62	59	55	53	50	46	44	42	38
3	83	74	67	61	76	68	62	57	59	54	50	49	46	43	41	39	37	33
4	76	66	58	52	70	61	54	49	52	47	43	44	41	38	37	34	32	29
5	70	59	51	45	64	55	48	43	47	42	38	40	36	33	34	31	28	25
6	65	53	45	39	60	49	42	37	43	37	33	37	32	29	31	28	25	22
7	60	48	40	35	55	45	38	33	39	33	29	33	29	26	28	25	23	20
8	56	44	36	31	51	41	34	29	36	30	26	31	26	23	26	23	20	18
9	52	40	33	28	48	37	31	26	33	27	24	28	24	21	24	21	18	16
10	48	37	30	25	45	34	28	24	30	25	21	26	22	19	22	19	17	15

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	2.0
10°-20°	167.2	6.3
20°-30°	262.7	9.8
30°-40°	274.1	10.3
40°-50°	234.5	8.8
50°-60°	178.8	6.7
60°-70°	114.6	4.3
70°-80°	55.1	2.1
80°-90°	15.9	0.6
90°-100°	97.2	3.6
100°-110°	275.1	10.3
110°-120°	270.6	10.1
120°-130°	215.9	8.1
130°-140°	170.2	6.4
140°-150°	127.0	4.8
150°-160°	88.5	3.3
160°-170°	52.0	1.9
170°-180°	16.9	0.6
0°-30°	483.4	18.1
0°-40°	757.5	28.4
0°-60°	1170.8	43.9
0°-90°	1356.4	50.8
90°-120°	642.9	24.1
90°-150°	1155.9	43.3
90°-180°	1313.0	49.2
0°-180°	2669.8	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	9
90°	10	1	10	1	10	6
95°	41	12	41	12	41	74
105°	450	41	450	41	450	443
115°	547	72	547	72	547	531
125°	431	101	431	101	431	391
135°	350	118	350	118	350	271
145°	273	135	273	135	273	174
155°	226	153	226	153	226	106
165°	198	167	198	167	198	56
175°	178	174	178	174	178	17
180°	175	175	175	175	175	



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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°	3.9	4.4	3.9	4.0	4.1	4.1	4.1	4.0	4.3	4.2	4.2
90°	10.2	10.6	10.2	9.9	10.2	9.5	9.2	8.8	8.5	8.8	7.8
92.5°	17.0	17.7	17.3	18.4	19.0	20.8	23.6	29.8	41.0	54.3	59.8
95°	41.0	42.4	44.9	48.1	54.8	67.5	86.2	127.2	170.0	209.6	186.6
97.5°	111.6	114.6	124.2	140.1	166.2	208.4	254.0	317.1	347.4	324.8	237.8
100°	221.6	221.2	235.0	260.8	296.5	346.7	388.0	416.6	404.3	334.7	226.2
102.5°	325.0	333.2	344.7	365.1	392.9	424.7	448.8	449.7	407.1	316.3	209.2
105°	449.5	451.3	462.6	476.0	492.3	501.4	494.7	459.4	385.5	284.1	188.4
107.5°	521.2	524.4	528.2	532.8	532.5	519.9	488.9	431.5	347.8	255.7	175.1
110°	550.6	551.3	552.0	549.2	539.3	514.5	470.0	405.0	324.1	239.6	170.0



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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	556.5	556.4	553.7	544.9	526.8	495.0	445.1	378.7	303.4	228.8	167.1
115°	546.7	544.9	537.8	522.3	495.8	457.3	405.3	343.8	278.5	217.3	166.1
117.5°	515.4	513.0	502.9	485.1	457.4	418.3	371.7	318.6	263.4	210.5	166.7
120°	489.4	487.3	478.8	459.0	431.1	395.4	353.0	305.3	255.5	207.4	167.9
122.5°	465.1	462.4	453.1	435.3	410.5	377.3	338.0	294.9	249.0	205.5	169.8
125°	431.1	428.7	419.8	404.3	381.7	353.4	319.5	280.9	240.7	202.8	172.8
127.5°	403.1	400.9	392.9	379.6	359.5	333.7	303.1	268.8	233.3	201.6	176.2
130°	387.3	384.5	377.1	364.3	345.6	321.6	293.0	261.1	229.3	200.7	178.5
132.5°	371.8	369.8	363.2	350.5	332.9	310.0	283.3	254.1	225.7	200.4	180.2
135°	349.5	347.0	340.7	330.1	312.7	292.6	269.6	244.5	220.9	200.0	182.7
137.5°	326.0	324.3	319.0	308.2	293.7	276.2	256.4	235.8	216.7	199.2	184.4
140°	309.6	309.9	304.3	294.4	280.9	265.7	248.8	230.8	214.1	199.0	185.5
142.5°	294.3	294.6	289.6	280.8	269.3	256.1	241.4	226.0	211.9	198.4	186.4
145°	273.2	272.5	269.6	262.2	253.4	243.1	231.8	220.2	208.8	197.5	186.9
147.5°	255.8	255.5	252.8	247.8	241.1	233.8	224.7	215.4	205.9	196.2	186.9
150°	245.6	245.6	243.5	239.6	234.3	227.6	220.2	212.0	203.9	195.1	186.9
152.5°	237.1	237.1	235.8	232.2	228.1	222.5	215.9	208.9	201.6	193.7	186.1
155°	226.5	226.2	225.5	222.6	219.4	215.2	209.9	204.3	198.2	191.2	185.2
157.5°	216.8	216.9	216.3	214.2	211.5	208.1	204.0	199.3	194.4	189.0	184.0
160°	210.6	211.0	211.0	208.8	206.4	203.9	200.4	196.5	191.9	187.3	183.4
162.5°	205.0	205.3	205.3	203.5	201.9	199.7	196.4	193.1	189.3	185.6	182.3
165°	197.5	197.5	197.9	196.5	195.1	193.3	190.8	188.7	185.9	183.1	180.6
167.5°	190.5	190.5	190.8	189.8	189.2	187.9	186.5	184.9	182.6	180.5	178.9
170°	186.2	186.2	186.6	185.9	185.5	184.8	183.4	182.3	180.6	178.8	177.8
172.5°	182.3	182.6	183.2	182.5	182.4	182.0	180.9	180.1	178.6	177.4	176.9
175°	177.8	178.1	178.5	178.1	178.1	178.1	177.4	177.0	176.3	175.6	175.6
177.5°	175.1	175.1	175.7	175.4	175.7	175.7	175.4	175.1	174.9	174.6	174.9
180°	174.6	174.6	174.6	174.6	174.6	174.6	174.6	174.6	174.6	174.6	174.6



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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°	4.3	3.9	4.1	3.9	4.4	4.3	5.3	6.1	6.4	5.8	6.0
90°	6.7	5.7	4.6	3.9	3.2	2.1	1.4	0.7	1.4	2.1	3.2
92.5°	44.9	29.7	20.4	15.2	12.2	9.5	6.5	4.4	6.5	9.5	12.2
95°	128.6	76.0	45.9	32.2	23.0	17.0	13.1	12.0	13.1	17.0	23.0
97.5°	141.1	81.8	53.1	38.2	29.1	23.9	20.8	20.5	20.8	23.9	29.1
100°	133.2	80.9	56.2	42.4	33.9	29.0	26.5	26.2	26.5	29.0	33.9
102.5°	126.4	82.1	59.9	47.2	39.6	34.9	32.7	32.1	32.7	34.9	39.6
105°	121.6	85.2	66.1	55.1	48.4	44.2	42.1	41.0	42.1	44.2	48.4
107.5°	121.2	91.0	74.2	64.0	57.7	53.6	51.5	50.5	51.5	53.6	57.7
110°	122.6	95.8	79.9	70.0	64.0	60.1	58.3	57.2	58.3	60.1	64.0



TEST NUMBER: P332242

CATALOG NUMBER: S123RDIP-S340D365U835-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	125.5	100.6	85.8	76.2	70.2	66.3	64.5	63.5	64.5	66.3	70.2
115°	130.0	108.5	95.1	85.5	79.5	76.0	73.9	72.4	73.9	76.0	79.5
117.5°	136.1	116.9	103.6	94.8	88.1	84.8	83.0	81.4	83.0	84.8	88.1
120°	140.6	122.3	109.5	100.7	94.0	90.5	88.7	87.6	88.7	90.5	94.0
122.5°	144.9	127.9	115.5	106.1	99.7	95.8	94.1	93.0	94.1	95.8	99.7
125°	151.6	136.1	123.7	114.1	107.4	103.5	101.4	100.7	101.4	103.5	107.4
127.5°	157.1	143.1	131.2	121.6	114.2	110.3	107.6	106.6	107.6	110.3	114.2
130°	160.8	147.4	135.7	126.2	118.7	114.5	111.3	110.3	111.3	114.5	118.7
132.5°	164.2	151.0	139.7	130.4	123.0	117.9	114.4	113.1	114.4	117.9	123.0
135°	168.6	156.5	145.6	136.1	128.6	123.3	119.4	118.0	119.4	123.3	128.6
137.5°	171.8	160.4	149.8	141.0	133.6	128.0	124.2	122.7	124.2	128.0	133.6
140°	173.5	162.9	152.7	143.8	136.8	131.1	127.6	125.8	127.6	131.1	136.8
142.5°	175.2	164.9	154.9	146.7	139.6	134.5	130.7	129.2	130.7	134.5	139.6
145°	177.0	167.5	158.3	150.2	144.2	138.9	135.7	134.6	135.7	138.9	144.2
147.5°	178.2	169.6	161.2	154.3	148.5	143.9	140.8	140.2	140.8	143.9	148.5
150°	178.5	171.0	162.9	156.5	151.6	147.0	144.2	143.8	144.2	147.0	151.6
152.5°	179.0	171.9	164.9	158.8	154.4	150.4	147.6	147.5	147.6	150.4	154.4
155°	179.2	173.5	167.5	162.6	158.7	155.1	153.0	153.0	153.0	155.1	158.7
157.5°	179.5	174.4	169.6	165.8	162.5	159.4	157.7	157.4	157.7	159.4	162.5
160°	179.5	175.3	171.0	167.5	165.0	162.2	160.8	160.8	160.8	162.2	165.0
162.5°	179.2	175.6	171.9	168.9	166.7	164.5	163.3	163.3	163.3	164.5	166.7
165°	178.5	176.0	173.2	170.7	169.3	167.5	166.8	167.1	166.8	167.5	169.3
167.5°	177.9	175.9	173.9	172.3	171.3	170.0	169.6	170.0	169.6	170.0	171.3
170°	177.0	175.6	173.9	173.2	172.4	171.4	171.0	171.7	171.0	171.4	172.4
172.5°	176.8	175.6	174.1	173.7	173.3	172.5	172.4	172.9	172.4	172.5	173.3
175°	176.0	175.3	174.6	174.2	174.2	173.5	173.9	174.2	173.9	173.5	174.2
177.5°	175.4	174.9	174.6	174.6	174.6	174.3	174.6	174.9	174.6	174.3	174.6
180°	174.6	174.6	174.6	174.6	174.6	174.6	174.6	174.6	174.6	174.6	174.6



TEST NUMBER: P332242

CATALOG NUMBER: S123RDIP-S340D365U835-4F0-1E-UDD-A4

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°	6.0	6.7	7.1	7.5	7.9	7.9	8.0	8.1	8.4	8.4	8.6
90°	3.9	4.6	5.7	6.7	7.8	8.8	8.5	8.8	9.2	9.5	10.2
92.5°	15.2	20.4	29.7	44.9	59.8	54.3	41.0	29.8	23.6	20.8	19.0
95°	32.2	45.9	76.0	128.6	186.6	209.6	170.0	127.2	86.2	67.5	54.8
97.5°	38.2	53.1	81.8	141.1	237.8	324.8	347.4	317.1	254.0	208.4	166.2
100°	42.4	56.2	80.9	133.2	226.2	334.7	404.3	416.6	388.0	346.7	296.5
102.5°	47.2	59.9	82.1	126.4	209.2	316.3	407.1	449.7	448.8	424.7	392.9
105°	55.1	66.1	85.2	121.6	188.4	284.1	385.5	459.4	494.7	501.4	492.3
107.5°	64.0	74.2	91.0	121.2	175.1	255.7	347.8	431.5	488.9	519.9	532.5
110°	70.0	79.9	95.8	122.6	170.0	239.6	324.1	405.0	470.0	514.5	539.3



TEST NUMBER: P332242

CATALOG NUMBER: S123RDIP-S340D365U835-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	76.2	85.8	100.6	125.5	167.1	228.8	303.4	378.7	445.1	495.0	526.8
115°	85.5	95.1	108.5	130.0	166.1	217.3	278.5	343.8	405.3	457.3	495.8
117.5°	94.8	103.6	116.9	136.1	166.7	210.5	263.4	318.6	371.7	418.3	457.4
120°	100.7	109.5	122.3	140.6	167.9	207.4	255.5	305.3	353.0	395.4	431.1
122.5°	106.1	115.5	127.9	144.9	169.8	205.5	249.0	294.9	338.0	377.3	410.5
125°	114.1	123.7	136.1	151.6	172.8	202.8	240.7	280.9	319.5	353.4	381.7
127.5°	121.6	131.2	143.1	157.1	176.2	201.6	233.3	268.8	303.1	333.7	359.5
130°	126.2	135.7	147.4	160.8	178.5	200.7	229.3	261.1	293.0	321.6	345.6
132.5°	130.4	139.7	151.0	164.2	180.2	200.4	225.7	254.1	283.3	310.0	332.9
135°	136.1	145.6	156.5	168.6	182.7	200.0	220.9	244.5	269.6	292.6	312.7
137.5°	141.0	149.8	160.4	171.8	184.4	199.2	216.7	235.8	256.4	276.2	293.7
140°	143.8	152.7	162.9	173.5	185.5	199.0	214.1	230.8	248.8	265.7	280.9
142.5°	146.7	154.9	164.9	175.2	186.4	198.4	211.9	226.0	241.4	256.1	269.3
145°	150.2	158.3	167.5	177.0	186.9	197.5	208.8	220.2	231.8	243.1	253.4
147.5°	154.3	161.2	169.6	178.2	186.9	196.2	205.9	215.4	224.7	233.8	241.1
150°	156.5	162.9	171.0	178.5	186.9	195.1	203.9	212.0	220.2	227.6	234.3
152.5°	158.8	164.9	171.9	179.0	186.1	193.7	201.6	208.9	215.9	222.5	228.1
155°	162.6	167.5	173.5	179.2	185.2	191.2	198.2	204.3	209.9	215.2	219.4
157.5°	165.8	169.6	174.4	179.5	184.0	189.0	194.4	199.3	204.0	208.1	211.5
160°	167.5	171.0	175.3	179.5	183.4	187.3	191.9	196.5	200.4	203.9	206.4
162.5°	168.9	171.9	175.6	179.2	182.3	185.6	189.3	193.1	196.4	199.7	201.9
165°	170.7	173.2	176.0	178.5	180.6	183.1	185.9	188.7	190.8	193.3	195.1
167.5°	172.3	173.9	175.9	177.9	178.9	180.5	182.6	184.9	186.5	187.9	189.2
170°	173.2	173.9	175.6	177.0	177.8	178.8	180.6	182.3	183.4	184.8	185.5
172.5°	173.7	174.1	175.6	176.8	176.9	177.4	178.6	180.1	180.9	182.0	182.4
175°	174.2	174.6	175.3	176.0	175.6	175.6	176.3	177.0	177.4	178.1	178.1
177.5°	174.6	174.6	174.9	175.4	174.9	174.6	174.9	175.1	175.4	175.7	175.7
180°	174.6	174.6	174.6	174.6	174.6	174.6	174.6	174.6	174.6	174.6	174.6



TEST NUMBER: P332242

CATALOG NUMBER: S123RDIP-S340D365U835-4F0-1E-UDD-A4

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°	8.9	8.6	8.6	8.8	8.6	8.6	8.9	8.6	8.4	8.4	8.1
90°	9.9	10.2	10.6	10.2	10.6	10.2	9.9	10.2	9.5	9.2	8.8
92.5°	18.4	17.3	17.7	17.0	17.7	17.3	18.4	19.0	20.8	23.6	29.8
95°	48.1	44.9	42.4	41.0	42.4	44.9	48.1	54.8	67.5	86.2	127.2
97.5°	140.1	124.2	114.6	111.6	114.6	124.2	140.1	166.2	208.4	254.0	317.1
100°	260.8	235.0	221.2	221.6	221.2	235.0	260.8	296.5	346.7	388.0	416.6
102.5°	365.1	344.7	333.2	325.0	333.2	344.7	365.1	392.9	424.7	448.8	449.7
105°	476.0	462.6	451.3	449.5	451.3	462.6	476.0	492.3	501.4	494.7	459.4
107.5°	532.8	528.2	524.4	521.2	524.4	528.2	532.8	532.5	519.9	488.9	431.5
110°	549.2	552.0	551.3	550.6	551.3	552.0	549.2	539.3	514.5	470.0	405.0



TEST NUMBER: P332242

CATALOG NUMBER: S123RDIP-S340D365U835-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	544.9	553.7	556.4	556.5	556.4	553.7	544.9	526.8	495.0	445.1	378.7
115°	522.3	537.8	544.9	546.7	544.9	537.8	522.3	495.8	457.3	405.3	343.8
117.5°	485.1	502.9	513.0	515.4	513.0	502.9	485.1	457.4	418.3	371.7	318.6
120°	459.0	478.8	487.3	489.4	487.3	478.8	459.0	431.1	395.4	353.0	305.3
122.5°	435.3	453.1	462.4	465.1	462.4	453.1	435.3	410.5	377.3	338.0	294.9
125°	404.3	419.8	428.7	431.1	428.7	419.8	404.3	381.7	353.4	319.5	280.9
127.5°	379.6	392.9	400.9	403.1	400.9	392.9	379.6	359.5	333.7	303.1	268.8
130°	364.3	377.1	384.5	387.3	384.5	377.1	364.3	345.6	321.6	293.0	261.1
132.5°	350.5	363.2	369.8	371.8	369.8	363.2	350.5	332.9	310.0	283.3	254.1
135°	330.1	340.7	347.0	349.5	347.0	340.7	330.1	312.7	292.6	269.6	244.5
137.5°	308.2	319.0	324.3	326.0	324.3	319.0	308.2	293.7	276.2	256.4	235.8
140°	294.4	304.3	309.9	309.6	309.9	304.3	294.4	280.9	265.7	248.8	230.8
142.5°	280.8	289.6	294.6	294.3	294.6	289.6	280.8	269.3	256.1	241.4	226.0
145°	262.2	269.6	272.5	273.2	272.5	269.6	262.2	253.4	243.1	231.8	220.2
147.5°	247.8	252.8	255.5	255.8	255.5	252.8	247.8	241.1	233.8	224.7	215.4
150°	239.6	243.5	245.6	245.6	245.6	243.5	239.6	234.3	227.6	220.2	212.0
152.5°	232.2	235.8	237.1	237.1	237.1	235.8	232.2	228.1	222.5	215.9	208.9
155°	222.6	225.5	226.2	226.5	226.2	225.5	222.6	219.4	215.2	209.9	204.3
157.5°	214.2	216.3	216.9	216.8	216.9	216.3	214.2	211.5	208.1	204.0	199.3
160°	208.8	211.0	211.0	210.6	211.0	211.0	208.8	206.4	203.9	200.4	196.5
162.5°	203.5	205.3	205.3	205.0	205.3	205.3	203.5	201.9	199.7	196.4	193.1
165°	196.5	197.9	197.5	197.5	197.5	197.9	196.5	195.1	193.3	190.8	188.7
167.5°	189.8	190.8	190.5	190.5	190.5	190.8	189.8	189.2	187.9	186.5	184.9
170°	185.9	186.6	186.2	186.2	186.2	186.6	185.9	185.5	184.8	183.4	182.3
172.5°	182.5	183.2	182.6	182.3	182.6	183.2	182.5	182.4	182.0	180.9	180.1
175°	178.1	178.5	178.1	177.8	178.1	178.5	178.1	178.1	178.1	177.4	177.0
177.5°	175.4	175.7	175.1	175.1	175.1	175.7	175.4	175.7	175.7	175.4	175.1
180°	174.6	174.6	174.6	174.6	174.6	174.6	174.6	174.6	174.6	174.6	174.6



TEST NUMBER: P332242

CATALOG NUMBER: S123RDIP-S340D365U835-4F0-1E-UDD-A4

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°	8.0	7.9	7.9	7.5	7.1	6.7	6.0	6.0	5.8	6.4	6.1
90°	8.5	8.8	7.8	6.7	5.7	4.6	3.9	3.2	2.1	1.4	0.7
92.5°	41.0	54.3	59.8	44.9	29.7	20.4	15.2	12.2	9.5	6.5	4.4
95°	170.0	209.6	186.6	128.6	76.0	45.9	32.2	23.0	17.0	13.1	12.0
97.5°	347.4	324.8	237.8	141.1	81.8	53.1	38.2	29.1	23.9	20.8	20.5
100°	404.3	334.7	226.2	133.2	80.9	56.2	42.4	33.9	29.0	26.5	26.2
102.5°	407.1	316.3	209.2	126.4	82.1	59.9	47.2	39.6	34.9	32.7	32.1
105°	385.5	284.1	188.4	121.6	85.2	66.1	55.1	48.4	44.2	42.1	41.0
107.5°	347.8	255.7	175.1	121.2	91.0	74.2	64.0	57.7	53.6	51.5	50.5
110°	324.1	239.6	170.0	122.6	95.8	79.9	70.0	64.0	60.1	58.3	57.2



TEST NUMBER: P332242

CATALOG NUMBER: S123RDIP-S340D365U835-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	303.4	228.8	167.1	125.5	100.6	85.8	76.2	70.2	66.3	64.5	63.5
115°	278.5	217.3	166.1	130.0	108.5	95.1	85.5	79.5	76.0	73.9	72.4
117.5°	263.4	210.5	166.7	136.1	116.9	103.6	94.8	88.1	84.8	83.0	81.4
120°	255.5	207.4	167.9	140.6	122.3	109.5	100.7	94.0	90.5	88.7	87.6
122.5°	249.0	205.5	169.8	144.9	127.9	115.5	106.1	99.7	95.8	94.1	93.0
125°	240.7	202.8	172.8	151.6	136.1	123.7	114.1	107.4	103.5	101.4	100.7
127.5°	233.3	201.6	176.2	157.1	143.1	131.2	121.6	114.2	110.3	107.6	106.6
130°	229.3	200.7	178.5	160.8	147.4	135.7	126.2	118.7	114.5	111.3	110.3
132.5°	225.7	200.4	180.2	164.2	151.0	139.7	130.4	123.0	117.9	114.4	113.1
135°	220.9	200.0	182.7	168.6	156.5	145.6	136.1	128.6	123.3	119.4	118.0
137.5°	216.7	199.2	184.4	171.8	160.4	149.8	141.0	133.6	128.0	124.2	122.7
140°	214.1	199.0	185.5	173.5	162.9	152.7	143.8	136.8	131.1	127.6	125.8
142.5°	211.9	198.4	186.4	175.2	164.9	154.9	146.7	139.6	134.5	130.7	129.2
145°	208.8	197.5	186.9	177.0	167.5	158.3	150.2	144.2	138.9	135.7	134.6
147.5°	205.9	196.2	186.9	178.2	169.6	161.2	154.3	148.5	143.9	140.8	140.2
150°	203.9	195.1	186.9	178.5	171.0	162.9	156.5	151.6	147.0	144.2	143.8
152.5°	201.6	193.7	186.1	179.0	171.9	164.9	158.8	154.4	150.4	147.6	147.5
155°	198.2	191.2	185.2	179.2	173.5	167.5	162.6	158.7	155.1	153.0	153.0
157.5°	194.4	189.0	184.0	179.5	174.4	169.6	165.8	162.5	159.4	157.7	157.4
160°	191.9	187.3	183.4	179.5	175.3	171.0	167.5	165.0	162.2	160.8	160.8
162.5°	189.3	185.6	182.3	179.2	175.6	171.9	168.9	166.7	164.5	163.3	163.3
165°	185.9	183.1	180.6	178.5	176.0	173.2	170.7	169.3	167.5	166.8	167.1
167.5°	182.6	180.5	178.9	177.9	175.9	173.9	172.3	171.3	170.0	169.6	170.0
170°	180.6	178.8	177.8	177.0	175.6	173.9	173.2	172.4	171.4	171.0	171.7
172.5°	178.6	177.4	176.9	176.8	175.6	174.1	173.7	173.3	172.5	172.4	172.9
175°	176.3	175.6	175.6	176.0	175.3	174.6	174.2	174.2	173.5	173.9	174.2
177.5°	174.9	174.6	174.9	175.4	174.9	174.6	174.6	174.6	174.3	174.6	174.9
180°	174.6	174.6	174.6	174.6	174.6	174.6	174.6	174.6	174.6	174.6	174.6



TEST NUMBER: P332242

CATALOG NUMBER: S123RDIP-S340D365U835-4F0-1E-UDD-A4

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°	5.3	4.3	4.4	3.9	4.1	3.9	4.3	4.2	4.2	4.3	4.0
90°	1.4	2.1	3.2	3.9	4.6	5.7	6.7	7.8	8.8	8.5	8.8
92.5°	6.5	9.5	12.2	15.2	20.4	29.7	44.9	59.8	54.3	41.0	29.8
95°	13.1	17.0	23.0	32.2	45.9	76.0	128.6	186.6	209.6	170.0	127.2
97.5°	20.8	23.9	29.1	38.2	53.1	81.8	141.1	237.8	324.8	347.4	317.1
100°	26.5	29.0	33.9	42.4	56.2	80.9	133.2	226.2	334.7	404.3	416.6
102.5°	32.7	34.9	39.6	47.2	59.9	82.1	126.4	209.2	316.3	407.1	449.7
105°	42.1	44.2	48.4	55.1	66.1	85.2	121.6	188.4	284.1	385.5	459.4
107.5°	51.5	53.6	57.7	64.0	74.2	91.0	121.2	175.1	255.7	347.8	431.5
110°	58.3	60.1	64.0	70.0	79.9	95.8	122.6	170.0	239.6	324.1	405.0



TEST NUMBER: P332242

CATALOG NUMBER: S123RDIP-S340D365U835-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	64.5	66.3	70.2	76.2	85.8	100.6	125.5	167.1	228.8	303.4	378.7
115°	73.9	76.0	79.5	85.5	95.1	108.5	130.0	166.1	217.3	278.5	343.8
117.5°	83.0	84.8	88.1	94.8	103.6	116.9	136.1	166.7	210.5	263.4	318.6
120°	88.7	90.5	94.0	100.7	109.5	122.3	140.6	167.9	207.4	255.5	305.3
122.5°	94.1	95.8	99.7	106.1	115.5	127.9	144.9	169.8	205.5	249.0	294.9
125°	101.4	103.5	107.4	114.1	123.7	136.1	151.6	172.8	202.8	240.7	280.9
127.5°	107.6	110.3	114.2	121.6	131.2	143.1	157.1	176.2	201.6	233.3	268.8
130°	111.3	114.5	118.7	126.2	135.7	147.4	160.8	178.5	200.7	229.3	261.1
132.5°	114.4	117.9	123.0	130.4	139.7	151.0	164.2	180.2	200.4	225.7	254.1
135°	119.4	123.3	128.6	136.1	145.6	156.5	168.6	182.7	200.0	220.9	244.5
137.5°	124.2	128.0	133.6	141.0	149.8	160.4	171.8	184.4	199.2	216.7	235.8
140°	127.6	131.1	136.8	143.8	152.7	162.9	173.5	185.5	199.0	214.1	230.8
142.5°	130.7	134.5	139.6	146.7	154.9	164.9	175.2	186.4	198.4	211.9	226.0
145°	135.7	138.9	144.2	150.2	158.3	167.5	177.0	186.9	197.5	208.8	220.2
147.5°	140.8	143.9	148.5	154.3	161.2	169.6	178.2	186.9	196.2	205.9	215.4
150°	144.2	147.0	151.6	156.5	162.9	171.0	178.5	186.9	195.1	203.9	212.0
152.5°	147.6	150.4	154.4	158.8	164.9	171.9	179.0	186.1	193.7	201.6	208.9
155°	153.0	155.1	158.7	162.6	167.5	173.5	179.2	185.2	191.2	198.2	204.3
157.5°	157.7	159.4	162.5	165.8	169.6	174.4	179.5	184.0	189.0	194.4	199.3
160°	160.8	162.2	165.0	167.5	171.0	175.3	179.5	183.4	187.3	191.9	196.5
162.5°	163.3	164.5	166.7	168.9	171.9	175.6	179.2	182.3	185.6	189.3	193.1
165°	166.8	167.5	169.3	170.7	173.2	176.0	178.5	180.6	183.1	185.9	188.7
167.5°	169.6	170.0	171.3	172.3	173.9	175.9	177.9	178.9	180.5	182.6	184.9
170°	171.0	171.4	172.4	173.2	173.9	175.6	177.0	177.8	178.8	180.6	182.3
172.5°	172.4	172.5	173.3	173.7	174.1	175.6	176.8	176.9	177.4	178.6	180.1
175°	173.9	173.5	174.2	174.2	174.6	175.3	176.0	175.6	175.6	176.3	177.0
177.5°	174.6	174.3	174.6	174.6	174.6	174.9	175.4	174.9	174.6	174.9	175.1
180°	174.6	174.6	174.6	174.6	174.6	174.6	174.6	174.6	174.6	174.6	174.6



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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°	4.1	4.1	4.1	4.0	3.9	4.4	3.9
90°	9.2	9.5	10.2	9.9	10.2	10.6	10.2
92.5°	23.6	20.8	19.0	18.4	17.3	17.7	17.0
95°	86.2	67.5	54.8	48.1	44.9	42.4	41.0
97.5°	254.0	208.4	166.2	140.1	124.2	114.6	111.6
100°	388.0	346.7	296.5	260.8	235.0	221.2	221.6
102.5°	448.8	424.7	392.9	365.1	344.7	333.2	325.0
105°	494.7	501.4	492.3	476.0	462.6	451.3	449.5
107.5°	488.9	519.9	532.5	532.8	528.2	524.4	521.2
110°	470.0	514.5	539.3	549.2	552.0	551.3	550.6



TEST NUMBER: P332242

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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
112.5°	445.1	495.0	526.8	544.9	553.7	556.4	556.5
115°	405.3	457.3	495.8	522.3	537.8	544.9	546.7
117.5°	371.7	418.3	457.4	485.1	502.9	513.0	515.4
120°	353.0	395.4	431.1	459.0	478.8	487.3	489.4
122.5°	338.0	377.3	410.5	435.3	453.1	462.4	465.1
125°	319.5	353.4	381.7	404.3	419.8	428.7	431.1
127.5°	303.1	333.7	359.5	379.6	392.9	400.9	403.1
130°	293.0	321.6	345.6	364.3	377.1	384.5	387.3
132.5°	283.3	310.0	332.9	350.5	363.2	369.8	371.8
135°	269.6	292.6	312.7	330.1	340.7	347.0	349.5
137.5°	256.4	276.2	293.7	308.2	319.0	324.3	326.0
140°	248.8	265.7	280.9	294.4	304.3	309.9	309.6
142.5°	241.4	256.1	269.3	280.8	289.6	294.6	294.3
145°	231.8	243.1	253.4	262.2	269.6	272.5	273.2
147.5°	224.7	233.8	241.1	247.8	252.8	255.5	255.8
150°	220.2	227.6	234.3	239.6	243.5	245.6	245.6
152.5°	215.9	222.5	228.1	232.2	235.8	237.1	237.1
155°	209.9	215.2	219.4	222.6	225.5	226.2	226.5
157.5°	204.0	208.1	211.5	214.2	216.3	216.9	216.8
160°	200.4	203.9	206.4	208.8	211.0	211.0	210.6
162.5°	196.4	199.7	201.9	203.5	205.3	205.3	205.0
165°	190.8	193.3	195.1	196.5	197.9	197.5	197.5
167.5°	186.5	187.9	189.2	189.8	190.8	190.5	190.5
170°	183.4	184.8	185.5	185.9	186.6	186.2	186.2
172.5°	180.9	182.0	182.4	182.5	183.2	182.6	182.3
175°	177.4	178.1	178.1	178.1	178.5	178.1	177.8
177.5°	175.4	175.7	175.7	175.4	175.7	175.1	175.1
180°	174.6	174.6	174.6	174.6	174.6	174.6	174.6

(END OF REPORT)