

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: P332253

Luminaire Tested: **S123RDIP-S340D805U835-4F0-1E-UDD-A1**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P332253  
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: S123RDIP-S340D805U835-4F0-1E-UDD-A1  
Description: DEFINE 3 DIRECT-INDIRECT PENDANT LED LUMINAIRE  
DOWNLIGHT 340 LUMENS PER FOOT, ASYMMETRIC DIFFUSER, REGRESSED HOUSING  
UPLIGHT 805 LUMENS PER FOOT, FLUSH SATIN WHITE DIFFUSER  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 4115.6 lumens  
Efficiency: N/A  
Efficacy: 131.9 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

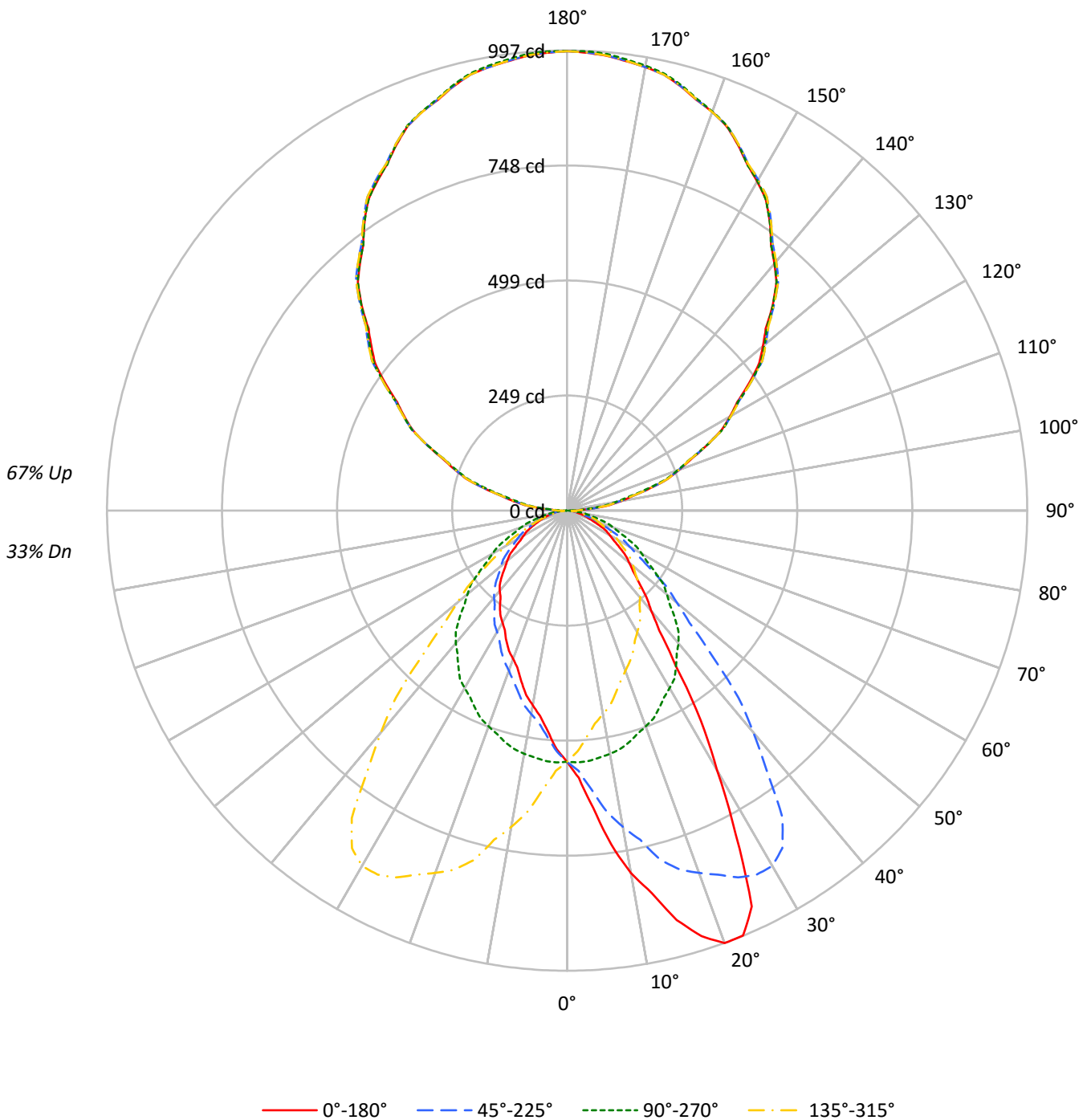
Input Watts (W): 31.2  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	93	93	93	93	74	74	74	56	56	56	41	41	41	33
1	94	90	87	83	85	82	78	76	65	63	61	50	49	48	36	36	35	29
2	86	79	73	69	78	72	67	63	58	54	51	45	42	40	32	31	30	25
3	79	70	63	58	71	63	58	53	51	47	44	40	37	35	29	27	26	21
4	72	62	55	49	65	56	50	45	46	41	37	36	32	30	26	24	23	19
5	66	55	48	42	60	50	44	39	41	36	32	32	29	26	24	22	20	16
6	61	50	42	36	55	45	39	34	37	32	28	29	26	23	22	19	18	15
7	57	45	37	32	51	41	34	30	33	28	25	26	23	20	20	18	16	13
8	52	41	33	28	47	37	31	26	30	26	22	24	21	18	18	16	14	12
9	49	37	30	25	44	34	28	23	28	23	20	22	19	16	17	15	13	11
10	45	34	27	22	41	31	25	21	26	21	18	21	17	15	16	13	12	10

**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	1.3
10°-20°	167.2	4.1
20°-30°	262.7	6.4
30°-40°	274.1	6.7
40°-50°	234.5	5.7
50°-60°	178.8	4.3
60°-70°	114.6	2.8
70°-80°	55.1	1.3
80°-90°	17.5	0.4
90°-100°	64.8	1.6
100°-110°	194.1	4.7
110°-120°	330.1	8.0
120°-130°	434.2	10.5
130°-140°	488.0	11.9
140°-150°	479.7	11.7
150°-160°	403.8	9.8
160°-170°	268.8	6.5
170°-180°	94.1	2.3
0°-30°	483.4	11.7
0°-40°	757.5	18.4
0°-60°	1170.8	28.4
0°-90°	1358.0	33.0
90°-120°	589.0	14.3
90°-150°	1990.8	48.4
90°-180°	2758.0	67.0
0°-180°	4115.6	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°	24	1	24	1	24	12
95°	61	46	61	46	61	63
105°	186	176	186	176	186	197
115°	333	332	333	332	333	330
125°	481	486	481	486	481	430
135°	630	631	630	631	630	484
145°	765	765	765	765	765	478
155°	875	876	875	876	875	403
165°	952	955	952	955	952	268
175°	989	993	989	993	989	94
180°	995	995	995	995	995	



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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°	6.6	6.9	6.4	6.5	6.5	6.5	6.4	6.3	6.5	6.2	5.9
90°	23.5	23.1	22.8	22.4	22.1	21.5	20.8	20.2	19.5	18.8	16.5
92.5°	31.6	31.8	32.0	32.2	32.4	32.2	31.7	31.1	30.6	30.0	28.7
95°	61.0	61.0	61.0	61.0	61.0	60.6	59.9	59.2	58.6	57.9	56.5
97.5°	93.8	93.9	94.0	94.0	94.1	93.7	92.9	92.1	91.3	90.5	89.5
100°	118.8	118.5	118.1	117.8	117.5	117.0	116.5	116.0	115.5	114.9	114.1
102.5°	144.5	144.6	144.6	144.7	144.8	144.5	144.0	143.5	143.0	142.5	141.3
105°	186.1	185.7	185.4	185.0	184.7	184.5	184.5	184.5	184.5	184.5	183.0
107.5°	229.4	229.6	229.8	230.0	230.2	230.1	229.5	228.9	228.4	227.8	227.2
110°	258.8	259.1	259.5	259.8	260.2	260.0	259.3	258.6	257.9	257.2	256.9



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**CANDELA DISTRIBUTION (continued):**

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	290.1	290.1	290.2	290.3	290.3	290.0	289.1	288.3	287.5	286.6	286.6
115°	333.1	333.2	333.4	333.6	333.8	333.8	333.6	333.4	333.2	333.1	333.4
117.5°	376.7	377.2	377.7	378.2	378.6	378.9	378.9	379.0	379.0	379.0	379.5
120°	407.3	407.7	408.0	408.4	408.7	409.0	409.2	409.3	409.5	409.7	410.6
122.5°	436.7	437.2	437.7	438.2	438.7	439.2	439.6	440.1	440.5	441.0	441.4
125°	480.8	481.5	482.2	482.9	483.6	484.3	485.0	485.7	486.4	487.1	487.4
127.5°	524.8	525.6	526.4	527.2	528.0	528.9	529.8	530.8	531.8	532.7	533.1
130°	553.5	554.8	556.0	557.2	558.4	559.4	560.1	560.8	561.4	562.1	562.7
132.5°	583.6	584.5	585.4	586.4	587.3	588.2	589.0	589.9	590.7	591.5	591.9
135°	630.2	630.5	630.9	631.2	631.6	632.1	632.8	633.5	634.2	634.9	635.0
137.5°	671.3	672.0	672.6	673.3	673.9	674.6	675.4	676.1	676.8	677.5	677.1
140°	698.2	699.4	700.6	701.8	703.1	703.7	703.9	704.1	704.3	704.4	704.3
142.5°	725.7	726.6	727.6	728.5	729.5	730.0	730.2	730.4	730.5	730.7	730.4
145°	765.4	766.1	766.8	767.5	768.2	768.6	768.8	769.0	769.2	769.3	768.8
147.5°	800.8	801.8	802.8	803.9	804.9	805.5	805.5	805.5	805.5	805.5	805.0
150°	823.3	824.3	825.4	826.4	827.5	828.0	828.0	828.0	828.0	828.0	827.6
152.5°	845.2	846.1	847.0	847.9	848.8	849.1	848.8	848.5	848.3	848.0	847.8
155°	874.9	876.1	877.3	878.5	879.7	880.0	879.3	878.6	877.9	877.2	877.1
157.5°	901.9	902.9	903.9	904.9	905.8	905.9	905.2	904.5	903.8	903.0	902.9
160°	919.4	920.1	920.8	921.5	922.2	922.1	921.3	920.4	919.5	918.7	918.7
162.5°	932.6	933.7	934.8	935.9	937.0	937.2	936.3	935.4	934.5	933.7	933.5
165°	951.5	952.7	953.9	955.2	956.4	956.5	955.4	954.4	953.3	952.3	952.3
167.5°	967.6	968.7	969.8	970.8	971.9	971.9	970.8	969.8	968.7	967.6	967.5
170°	975.7	977.0	978.2	979.4	980.6	980.6	979.4	978.2	977.0	975.7	975.7
172.5°	982.0	983.2	984.4	985.6	986.9	986.9	985.9	984.8	983.7	982.6	982.6
175°	989.0	990.2	991.5	992.7	993.9	994.0	992.9	991.9	990.9	989.8	989.8
177.5°	992.8	993.8	994.7	995.7	996.7	996.7	995.9	995.1	994.2	993.4	993.4
180°	995.3	995.3	995.3	995.3	995.3	995.3	995.3	995.3	995.3	995.3	995.3



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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°	5.8	5.2	5.1	4.7	4.9	4.8	5.5	6.1	6.7	6.3	6.6
90°	14.2	12.0	9.7	7.7	6.0	4.3	2.5	0.8	2.5	4.3	6.0
92.5°	27.5	26.2	24.9	23.6	22.5	21.3	20.1	18.9	20.1	21.3	22.5
95°	55.1	53.7	52.3	51.0	49.8	48.6	47.3	46.1	47.3	48.6	49.8
97.5°	88.5	87.5	86.5	85.6	84.6	83.7	82.8	81.9	82.8	83.7	84.6
100°	113.2	112.3	111.5	110.5	109.5	108.4	107.4	106.3	107.4	108.4	109.5
102.5°	140.2	139.0	137.9	137.0	136.4	135.7	135.1	134.5	135.1	135.7	136.4
105°	181.4	179.8	178.3	177.3	177.0	176.6	176.3	175.9	176.3	176.6	177.0
107.5°	226.6	226.0	225.3	224.9	224.7	224.5	224.3	224.1	224.3	224.5	224.7
110°	256.5	256.2	255.8	255.5	255.1	254.8	254.4	254.1	254.4	254.8	255.1





TEST NUMBER: P332253

CATALOG NUMBER: S123RDIP-S340D805U835-4F0-1E-UDD-A1

**CANDELA DISTRIBUTION (continued):**

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	286.5	286.4	286.3	286.2	286.0	285.8	285.6	285.4	285.6	285.8	286.0
115°	333.8	334.1	334.5	334.4	333.8	333.3	332.8	332.3	332.8	333.3	333.8
117.5°	379.9	380.4	380.8	380.9	380.5	380.2	379.9	379.5	379.9	380.2	380.5
120°	411.4	412.3	413.2	413.1	412.0	411.0	409.9	408.9	409.9	411.0	412.0
122.5°	441.9	442.3	442.8	442.6	441.8	441.1	440.3	439.6	440.3	441.1	441.8
125°	487.8	488.1	488.5	488.4	487.9	487.3	486.8	486.3	486.8	487.3	487.9
127.5°	533.5	533.9	534.3	533.9	532.8	531.7	530.6	529.5	530.6	531.7	532.8
130°	563.2	563.7	564.2	563.8	562.4	561.0	559.6	558.2	559.6	561.0	562.4
132.5°	592.3	592.7	593.1	592.6	591.2	589.8	588.4	587.0	588.4	589.8	591.2
135°	635.2	635.4	635.6	635.1	634.1	633.0	632.0	630.9	632.0	633.0	634.1
137.5°	676.6	676.2	675.7	675.1	674.2	673.3	672.5	671.6	672.5	673.3	674.2
140°	704.1	703.9	703.7	703.2	702.4	701.5	700.6	699.7	700.6	701.5	702.4
142.5°	730.1	729.8	729.5	728.9	728.0	727.1	726.3	725.4	726.3	727.1	728.0
145°	768.3	767.8	767.2	766.8	766.5	766.1	765.8	765.4	765.8	766.1	766.5
147.5°	804.5	804.0	803.5	803.0	802.3	801.7	801.1	800.5	801.1	801.7	802.3
150°	827.3	826.9	826.6	826.2	825.9	825.5	825.2	824.8	825.2	825.5	825.9
152.5°	847.6	847.4	847.2	846.8	846.3	845.8	845.3	844.9	845.3	845.8	846.3
155°	876.9	876.7	876.5	876.4	876.4	876.4	876.4	876.4	876.4	876.4	876.4
157.5°	902.8	902.6	902.5	902.5	902.7	902.9	903.1	903.3	903.1	902.9	902.7
160°	918.7	918.7	918.7	918.8	919.2	919.5	919.9	920.2	919.9	919.5	919.2
162.5°	933.4	933.3	933.1	933.3	933.8	934.3	934.8	935.2	934.8	934.3	933.8
165°	952.3	952.3	952.3	952.5	953.1	953.6	954.1	954.6	954.1	953.6	953.1
167.5°	967.3	967.2	967.1	967.3	968.0	968.7	969.4	970.1	969.4	968.7	968.0
170°	975.7	975.7	975.7	976.1	976.8	977.5	978.2	978.9	978.2	977.5	976.8
172.5°	982.6	982.6	982.6	983.0	983.7	984.4	985.1	985.7	985.1	984.4	983.7
175°	989.8	989.8	989.8	990.2	990.9	991.6	992.2	992.9	992.2	991.6	990.9
177.5°	993.4	993.4	993.4	993.7	994.2	994.8	995.4	995.9	995.4	994.8	994.2
180°	995.3	995.3	995.3	995.3	995.3	995.3	995.3	995.3	995.3	995.3	995.3



TEST NUMBER: P332253

CATALOG NUMBER: S123RDIP-S340D805U835-4F0-1E-UDD-A1

**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°	6.8	7.7	8.4	9.0	9.6	9.9	10.2	10.4	10.7	10.8	10.9
90°	7.7	9.7	12.0	14.2	16.5	18.8	19.5	20.2	20.8	21.5	22.1
92.5°	23.6	24.9	26.2	27.5	28.7	30.0	30.6	31.1	31.7	32.2	32.4
95°	51.0	52.3	53.7	55.1	56.5	57.9	58.6	59.2	59.9	60.6	61.0
97.5°	85.6	86.5	87.5	88.5	89.5	90.5	91.3	92.1	92.9	93.7	94.1
100°	110.5	111.5	112.3	113.2	114.1	114.9	115.5	116.0	116.5	117.0	117.5
102.5°	137.0	137.9	139.0	140.2	141.3	142.5	143.0	143.5	144.0	144.5	144.8
105°	177.3	178.3	179.8	181.4	183.0	184.5	184.5	184.5	184.5	184.5	184.7
107.5°	224.9	225.3	226.0	226.6	227.2	227.8	228.4	228.9	229.5	230.1	230.2
110°	255.5	255.8	256.2	256.5	256.9	257.2	257.9	258.6	259.3	260.0	260.2



TEST NUMBER: P332253

CATALOG NUMBER: S123RDIP-S340D805U835-4F0-1E-UDD-A1

**CANDELA DISTRIBUTION (continued):**

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	286.2	286.3	286.4	286.5	286.6	286.6	287.5	288.3	289.1	290.0	290.3
115°	334.4	334.5	334.1	333.8	333.4	333.1	333.2	333.4	333.6	333.8	333.8
117.5°	380.9	380.8	380.4	379.9	379.5	379.0	379.0	379.0	378.9	378.9	378.6
120°	413.1	413.2	412.3	411.4	410.6	409.7	409.5	409.3	409.2	409.0	408.7
122.5°	442.6	442.8	442.3	441.9	441.4	441.0	440.5	440.1	439.6	439.2	438.7
125°	488.4	488.5	488.1	487.8	487.4	487.1	486.4	485.7	485.0	484.3	483.6
127.5°	533.9	534.3	533.9	533.5	533.1	532.7	531.8	530.8	529.8	528.9	528.0
130°	563.8	564.2	563.7	563.2	562.7	562.1	561.4	560.8	560.1	559.4	558.4
132.5°	592.6	593.1	592.7	592.3	591.9	591.5	590.7	589.9	589.0	588.2	587.3
135°	635.1	635.6	635.4	635.2	635.0	634.9	634.2	633.5	632.8	632.1	631.6
137.5°	675.1	675.7	676.2	676.6	677.1	677.5	676.8	676.1	675.4	674.6	673.9
140°	703.2	703.7	703.9	704.1	704.3	704.4	704.3	704.1	703.9	703.7	703.1
142.5°	728.9	729.5	729.8	730.1	730.4	730.7	730.5	730.4	730.2	730.0	729.5
145°	766.8	767.2	767.8	768.3	768.8	769.3	769.2	769.0	768.8	768.6	768.2
147.5°	803.0	803.5	804.0	804.5	805.0	805.5	805.5	805.5	805.5	805.5	804.9
150°	826.2	826.6	826.9	827.3	827.6	828.0	828.0	828.0	828.0	828.0	827.5
152.5°	846.8	847.2	847.4	847.6	847.8	848.0	848.3	848.5	848.8	849.1	848.8
155°	876.4	876.5	876.7	876.9	877.1	877.2	877.9	878.6	879.3	880.0	879.7
157.5°	902.5	902.5	902.6	902.8	902.9	903.0	903.8	904.5	905.2	905.9	905.8
160°	918.8	918.7	918.7	918.7	918.7	918.7	919.5	920.4	921.3	922.1	922.2
162.5°	933.3	933.1	933.3	933.4	933.5	933.7	934.5	935.4	936.3	937.2	937.0
165°	952.5	952.3	952.3	952.3	952.3	952.3	953.3	954.4	955.4	956.5	956.4
167.5°	967.3	967.1	967.2	967.3	967.5	967.6	968.7	969.8	970.8	971.9	971.9
170°	976.1	975.7	975.7	975.7	975.7	975.7	977.0	978.2	979.4	980.6	980.6
172.5°	983.0	982.6	982.6	982.6	982.6	982.6	983.7	984.8	985.9	986.9	986.9
175°	990.2	989.8	989.8	989.8	989.8	989.8	990.9	991.9	992.9	994.0	993.9
177.5°	993.7	993.4	993.4	993.4	993.4	993.4	994.2	995.1	995.9	996.7	996.7
180°	995.3	995.3	995.3	995.3	995.3	995.3	995.3	995.3	995.3	995.3	995.3



TEST NUMBER: P332253

CATALOG NUMBER: S123RDIP-S340D805U835-4F0-1E-UDD-A1

**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°	11.4	11.1	11.1	11.4	11.1	11.1	11.4	10.9	10.8	10.7	10.4
90°	22.4	22.8	23.1	23.5	23.1	22.8	22.4	22.1	21.5	20.8	20.2
92.5°	32.2	32.0	31.8	31.6	31.8	32.0	32.2	32.4	32.2	31.7	31.1
95°	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	60.6	59.9	59.2
97.5°	94.0	94.0	93.9	93.8	93.9	94.0	94.0	94.1	93.7	92.9	92.1
100°	117.8	118.1	118.5	118.8	118.5	118.1	117.8	117.5	117.0	116.5	116.0
102.5°	144.7	144.6	144.6	144.5	144.6	144.6	144.7	144.8	144.5	144.0	143.5
105°	185.0	185.4	185.7	186.1	185.7	185.4	185.0	184.7	184.5	184.5	184.5
107.5°	230.0	229.8	229.6	229.4	229.6	229.8	230.0	230.2	230.1	229.5	228.9
110°	259.8	259.5	259.1	258.8	259.1	259.5	259.8	260.2	260.0	259.3	258.6



TEST NUMBER: P332253

CATALOG NUMBER: S123RDIP-S340D805U835-4F0-1E-UDD-A1

**CANDELA DISTRIBUTION (continued):**

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	290.3	290.2	290.1	290.1	290.1	290.2	290.3	290.3	290.0	289.1	288.3
115°	333.6	333.4	333.2	333.1	333.2	333.4	333.6	333.8	333.8	333.6	333.4
117.5°	378.2	377.7	377.2	376.7	377.2	377.7	378.2	378.6	378.9	378.9	379.0
120°	408.4	408.0	407.7	407.3	407.7	408.0	408.4	408.7	409.0	409.2	409.3
122.5°	438.2	437.7	437.2	436.7	437.2	437.7	438.2	438.7	439.2	439.6	440.1
125°	482.9	482.2	481.5	480.8	481.5	482.2	482.9	483.6	484.3	485.0	485.7
127.5°	527.2	526.4	525.6	524.8	525.6	526.4	527.2	528.0	528.9	529.8	530.8
130°	557.2	556.0	554.8	553.5	554.8	556.0	557.2	558.4	559.4	560.1	560.8
132.5°	586.4	585.4	584.5	583.6	584.5	585.4	586.4	587.3	588.2	589.0	589.9
135°	631.2	630.9	630.5	630.2	630.5	630.9	631.2	631.6	632.1	632.8	633.5
137.5°	673.3	672.6	672.0	671.3	672.0	672.6	673.3	673.9	674.6	675.4	676.1
140°	701.8	700.6	699.4	698.2	699.4	700.6	701.8	703.1	703.7	703.9	704.1
142.5°	728.5	727.6	726.6	725.7	726.6	727.6	728.5	729.5	730.0	730.2	730.4
145°	767.5	766.8	766.1	765.4	766.1	766.8	767.5	768.2	768.6	768.8	769.0
147.5°	803.9	802.8	801.8	800.8	801.8	802.8	803.9	804.9	805.5	805.5	805.5
150°	826.4	825.4	824.3	823.3	824.3	825.4	826.4	827.5	828.0	828.0	828.0
152.5°	847.9	847.0	846.1	845.2	846.1	847.0	847.9	848.8	849.1	848.8	848.5
155°	878.5	877.3	876.1	874.9	876.1	877.3	878.5	879.7	880.0	879.3	878.6
157.5°	904.9	903.9	902.9	901.9	902.9	903.9	904.9	905.8	905.9	905.2	904.5
160°	921.5	920.8	920.1	919.4	920.1	920.8	921.5	922.2	922.1	921.3	920.4
162.5°	935.9	934.8	933.7	932.6	933.7	934.8	935.9	937.0	937.2	936.3	935.4
165°	955.2	953.9	952.7	951.5	952.7	953.9	955.2	956.4	956.5	955.4	954.4
167.5°	970.8	969.8	968.7	967.6	968.7	969.8	970.8	971.9	971.9	970.8	969.8
170°	979.4	978.2	977.0	975.7	977.0	978.2	979.4	980.6	980.6	979.4	978.2
172.5°	985.6	984.4	983.2	982.0	983.2	984.4	985.6	986.9	986.9	985.9	984.8
175°	992.7	991.5	990.2	989.0	990.2	991.5	992.7	993.9	994.0	992.9	991.9
177.5°	995.7	994.7	993.8	992.8	993.8	994.7	995.7	996.7	996.7	995.9	995.1
180°	995.3	995.3	995.3	995.3	995.3	995.3	995.3	995.3	995.3	995.3	995.3



TEST NUMBER: P332253

CATALOG NUMBER: S123RDIP-S340D805U835-4F0-1E-UDD-A1

**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°	10.2	9.9	9.6	9.0	8.4	7.7	6.8	6.6	6.3	6.7	6.1
90°	19.5	18.8	16.5	14.2	12.0	9.7	7.7	6.0	4.3	2.5	0.8
92.5°	30.6	30.0	28.7	27.5	26.2	24.9	23.6	22.5	21.3	20.1	18.9
95°	58.6	57.9	56.5	55.1	53.7	52.3	51.0	49.8	48.6	47.3	46.1
97.5°	91.3	90.5	89.5	88.5	87.5	86.5	85.6	84.6	83.7	82.8	81.9
100°	115.5	114.9	114.1	113.2	112.3	111.5	110.5	109.5	108.4	107.4	106.3
102.5°	143.0	142.5	141.3	140.2	139.0	137.9	137.0	136.4	135.7	135.1	134.5
105°	184.5	184.5	183.0	181.4	179.8	178.3	177.3	177.0	176.6	176.3	175.9
107.5°	228.4	227.8	227.2	226.6	226.0	225.3	224.9	224.7	224.5	224.3	224.1
110°	257.9	257.2	256.9	256.5	256.2	255.8	255.5	255.1	254.8	254.4	254.1



TEST NUMBER: P332253

CATALOG NUMBER: S123RDIP-S340D805U835-4F0-1E-UDD-A1

**CANDELA DISTRIBUTION (continued):**

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	287.5	286.6	286.6	286.5	286.4	286.3	286.2	286.0	285.8	285.6	285.4
115°	333.2	333.1	333.4	333.8	334.1	334.5	334.4	333.8	333.3	332.8	332.3
117.5°	379.0	379.0	379.5	379.9	380.4	380.8	380.9	380.5	380.2	379.9	379.5
120°	409.5	409.7	410.6	411.4	412.3	413.2	413.1	412.0	411.0	409.9	408.9
122.5°	440.5	441.0	441.4	441.9	442.3	442.8	442.6	441.8	441.1	440.3	439.6
125°	486.4	487.1	487.4	487.8	488.1	488.5	488.4	487.9	487.3	486.8	486.3
127.5°	531.8	532.7	533.1	533.5	533.9	534.3	533.9	532.8	531.7	530.6	529.5
130°	561.4	562.1	562.7	563.2	563.7	564.2	563.8	562.4	561.0	559.6	558.2
132.5°	590.7	591.5	591.9	592.3	592.7	593.1	592.6	591.2	589.8	588.4	587.0
135°	634.2	634.9	635.0	635.2	635.4	635.6	635.1	634.1	633.0	632.0	630.9
137.5°	676.8	677.5	677.1	676.6	676.2	675.7	675.1	674.2	673.3	672.5	671.6
140°	704.3	704.4	704.3	704.1	703.9	703.7	703.2	702.4	701.5	700.6	699.7
142.5°	730.5	730.7	730.4	730.1	729.8	729.5	728.9	728.0	727.1	726.3	725.4
145°	769.2	769.3	768.8	768.3	767.8	767.2	766.8	766.5	766.1	765.8	765.4
147.5°	805.5	805.5	805.0	804.5	804.0	803.5	803.0	802.3	801.7	801.1	800.5
150°	828.0	828.0	827.6	827.3	826.9	826.6	826.2	825.9	825.5	825.2	824.8
152.5°	848.3	848.0	847.8	847.6	847.4	847.2	846.8	846.3	845.8	845.3	844.9
155°	877.9	877.2	877.1	876.9	876.7	876.5	876.4	876.4	876.4	876.4	876.4
157.5°	903.8	903.0	902.9	902.8	902.6	902.5	902.5	902.7	902.9	903.1	903.3
160°	919.5	918.7	918.7	918.7	918.7	918.7	918.8	919.2	919.5	919.9	920.2
162.5°	934.5	933.7	933.5	933.4	933.3	933.1	933.3	933.8	934.3	934.8	935.2
165°	953.3	952.3	952.3	952.3	952.3	952.3	952.5	953.1	953.6	954.1	954.6
167.5°	968.7	967.6	967.5	967.3	967.2	967.1	967.3	968.0	968.7	969.4	970.1
170°	977.0	975.7	975.7	975.7	975.7	975.7	976.1	976.8	977.5	978.2	978.9
172.5°	983.7	982.6	982.6	982.6	982.6	982.6	983.0	983.7	984.4	985.1	985.7
175°	990.9	989.8	989.8	989.8	989.8	989.8	990.2	990.9	991.6	992.2	992.9
177.5°	994.2	993.4	993.4	993.4	993.4	993.4	993.7	994.2	994.8	995.4	995.9
180°	995.3	995.3	995.3	995.3	995.3	995.3	995.3	995.3	995.3	995.3	995.3



TEST NUMBER: P332253

CATALOG NUMBER: S123RDIP-S340D805U835-4F0-1E-UDD-A1

**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	4.8	4.9	4.7	5.1	5.2	5.8	5.9	6.2	6.5	6.3
90°	2.5	4.3	6.0	7.7	9.7	12.0	14.2	16.5	18.8	19.5	20.2
92.5°	20.1	21.3	22.5	23.6	24.9	26.2	27.5	28.7	30.0	30.6	31.1
95°	47.3	48.6	49.8	51.0	52.3	53.7	55.1	56.5	57.9	58.6	59.2
97.5°	82.8	83.7	84.6	85.6	86.5	87.5	88.5	89.5	90.5	91.3	92.1
100°	107.4	108.4	109.5	110.5	111.5	112.3	113.2	114.1	114.9	115.5	116.0
102.5°	135.1	135.7	136.4	137.0	137.9	139.0	140.2	141.3	142.5	143.0	143.5
105°	176.3	176.6	177.0	177.3	178.3	179.8	181.4	183.0	184.5	184.5	184.5
107.5°	224.3	224.5	224.7	224.9	225.3	226.0	226.6	227.2	227.8	228.4	228.9
110°	254.4	254.8	255.1	255.5	255.8	256.2	256.5	256.9	257.2	257.9	258.6





TEST NUMBER: P332253

CATALOG NUMBER: S123RDIP-S340D805U835-4F0-1E-UDD-A1

**CANDELA DISTRIBUTION (continued):**

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	285.6	285.8	286.0	286.2	286.3	286.4	286.5	286.6	286.6	287.5	288.3
115°	332.8	333.3	333.8	334.4	334.5	334.1	333.8	333.4	333.1	333.2	333.4
117.5°	379.9	380.2	380.5	380.9	380.8	380.4	379.9	379.5	379.0	379.0	379.0
120°	409.9	411.0	412.0	413.1	413.2	412.3	411.4	410.6	409.7	409.5	409.3
122.5°	440.3	441.1	441.8	442.6	442.8	442.3	441.9	441.4	441.0	440.5	440.1
125°	486.8	487.3	487.9	488.4	488.5	488.1	487.8	487.4	487.1	486.4	485.7
127.5°	530.6	531.7	532.8	533.9	534.3	533.9	533.5	533.1	532.7	531.8	530.8
130°	559.6	561.0	562.4	563.8	564.2	563.7	563.2	562.7	562.1	561.4	560.8
132.5°	588.4	589.8	591.2	592.6	593.1	592.7	592.3	591.9	591.5	590.7	589.9
135°	632.0	633.0	634.1	635.1	635.6	635.4	635.2	635.0	634.9	634.2	633.5
137.5°	672.5	673.3	674.2	675.1	675.7	676.2	676.6	677.1	677.5	676.8	676.1
140°	700.6	701.5	702.4	703.2	703.7	703.9	704.1	704.3	704.4	704.3	704.1
142.5°	726.3	727.1	728.0	728.9	729.5	729.8	730.1	730.4	730.7	730.5	730.4
145°	765.8	766.1	766.5	766.8	767.2	767.8	768.3	768.8	769.3	769.2	769.0
147.5°	801.1	801.7	802.3	803.0	803.5	804.0	804.5	805.0	805.5	805.5	805.5
150°	825.2	825.5	825.9	826.2	826.6	826.9	827.3	827.6	828.0	828.0	828.0
152.5°	845.3	845.8	846.3	846.8	847.2	847.4	847.6	847.8	848.0	848.3	848.5
155°	876.4	876.4	876.4	876.4	876.5	876.7	876.9	877.1	877.2	877.9	878.6
157.5°	903.1	902.9	902.7	902.5	902.5	902.6	902.8	902.9	903.0	903.8	904.5
160°	919.9	919.5	919.2	918.8	918.7	918.7	918.7	918.7	918.7	919.5	920.4
162.5°	934.8	934.3	933.8	933.3	933.1	933.3	933.4	933.5	933.7	934.5	935.4
165°	954.1	953.6	953.1	952.5	952.3	952.3	952.3	952.3	952.3	953.3	954.4
167.5°	969.4	968.7	968.0	967.3	967.1	967.2	967.3	967.5	967.6	968.7	969.8
170°	978.2	977.5	976.8	976.1	975.7	975.7	975.7	975.7	975.7	977.0	978.2
172.5°	985.1	984.4	983.7	983.0	982.6	982.6	982.6	982.6	982.6	983.7	984.8
175°	992.2	991.6	990.9	990.2	989.8	989.8	989.8	989.8	989.8	990.9	991.9
177.5°	995.4	994.8	994.2	993.7	993.4	993.4	993.4	993.4	993.4	994.2	995.1
180°	995.3	995.3	995.3	995.3	995.3	995.3	995.3	995.3	995.3	995.3	995.3



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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°	6.4	6.5	6.5	6.5	6.4	6.9	6.6
90°	20.8	21.5	22.1	22.4	22.8	23.1	23.5
92.5°	31.7	32.2	32.4	32.2	32.0	31.8	31.6
95°	59.9	60.6	61.0	61.0	61.0	61.0	61.0
97.5°	92.9	93.7	94.1	94.0	94.0	93.9	93.8
100°	116.5	117.0	117.5	117.8	118.1	118.5	118.8
102.5°	144.0	144.5	144.8	144.7	144.6	144.6	144.5
105°	184.5	184.5	184.7	185.0	185.4	185.7	186.1
107.5°	229.5	230.1	230.2	230.0	229.8	229.6	229.4
110°	259.3	260.0	260.2	259.8	259.5	259.1	258.8



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**CANDELA DISTRIBUTION (continued):**

	330°	335°	340°	345°	350°	355°	360°
112.5°	289.1	290.0	290.3	290.3	290.2	290.1	290.1
115°	333.6	333.8	333.8	333.6	333.4	333.2	333.1
117.5°	378.9	378.9	378.6	378.2	377.7	377.2	376.7
120°	409.2	409.0	408.7	408.4	408.0	407.7	407.3
122.5°	439.6	439.2	438.7	438.2	437.7	437.2	436.7
125°	485.0	484.3	483.6	482.9	482.2	481.5	480.8
127.5°	529.8	528.9	528.0	527.2	526.4	525.6	524.8
130°	560.1	559.4	558.4	557.2	556.0	554.8	553.5
132.5°	589.0	588.2	587.3	586.4	585.4	584.5	583.6
135°	632.8	632.1	631.6	631.2	630.9	630.5	630.2
137.5°	675.4	674.6	673.9	673.3	672.6	672.0	671.3
140°	703.9	703.7	703.1	701.8	700.6	699.4	698.2
142.5°	730.2	730.0	729.5	728.5	727.6	726.6	725.7
145°	768.8	768.6	768.2	767.5	766.8	766.1	765.4
147.5°	805.5	805.5	804.9	803.9	802.8	801.8	800.8
150°	828.0	828.0	827.5	826.4	825.4	824.3	823.3
152.5°	848.8	849.1	848.8	847.9	847.0	846.1	845.2
155°	879.3	880.0	879.7	878.5	877.3	876.1	874.9
157.5°	905.2	905.9	905.8	904.9	903.9	902.9	901.9
160°	921.3	922.1	922.2	921.5	920.8	920.1	919.4
162.5°	936.3	937.2	937.0	935.9	934.8	933.7	932.6
165°	955.4	956.5	956.4	955.2	953.9	952.7	951.5
167.5°	970.8	971.9	971.9	970.8	969.8	968.7	967.6
170°	979.4	980.6	980.6	979.4	978.2	977.0	975.7
172.5°	985.9	986.9	986.9	985.6	984.4	983.2	982.0
175°	992.9	994.0	993.9	992.7	991.5	990.2	989.0
177.5°	995.9	996.7	996.7	995.7	994.7	993.8	992.8
180°	995.3	995.3	995.3	995.3	995.3	995.3	995.3

(END OF REPORT)