

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: P332254-940

Luminaire Tested: **S123RDIP-S340D805U940-4F0-1E-UDD-A4**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P332254-940  
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-S340D805U940-4F0-1E-UDD-A4  
Description: DEFINE 3 DIRECT-INDIRECT PENDANT LED LUMINAIRE  
DOWNLIGHT 340 LUMENS PER FOOT, ASYMMETRIC DIFFUSER, REGRESSED HOUSING  
UPLIGHT 805 LUMENS PER FOOT, BATWING OPTIC  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 3802.1 lumens  
Efficiency: N/A  
Efficacy: 121.9 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

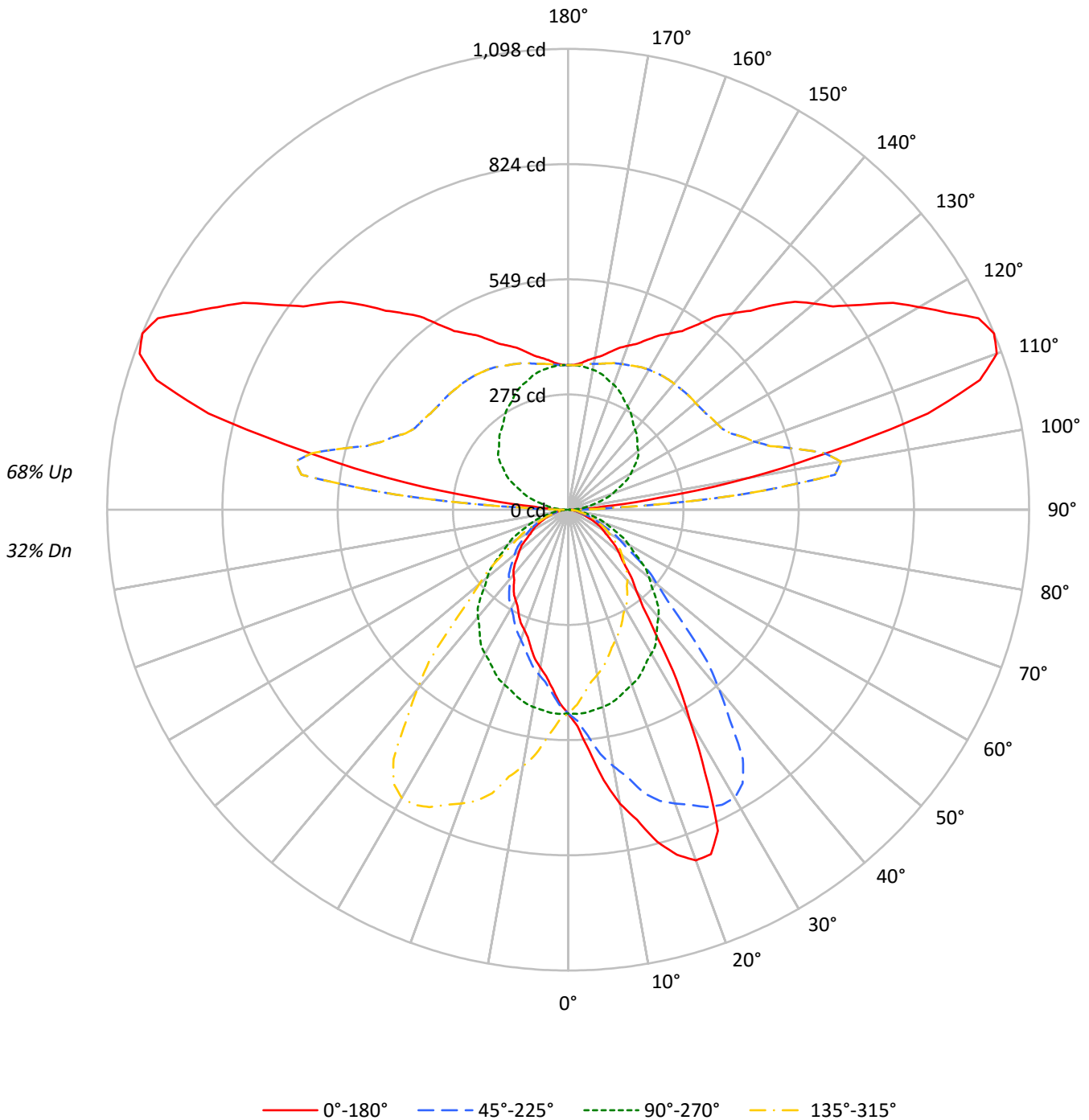
Input Watts (W): 31.2  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	73	73	73	56	56	56	39	39	39	32
1	94	90	86	83	85	81	78	75	65	63	61	49	48	47	35	35	34	28
2	86	79	73	68	77	71	67	62	57	54	51	44	42	40	32	30	29	24
3	79	70	63	57	71	63	57	52	51	46	43	39	36	34	28	27	25	20
4	72	62	54	49	65	56	50	45	45	41	37	35	32	29	26	24	22	18
5	66	55	47	42	59	50	43	38	40	36	32	31	28	26	23	21	19	16
6	61	49	42	36	55	45	38	33	36	32	28	28	25	22	21	19	17	14
7	56	45	37	32	51	41	34	29	33	28	25	26	23	20	19	17	15	13
8	52	40	33	28	47	37	30	26	30	25	22	24	20	18	18	15	14	11
9	49	37	30	25	44	34	27	23	28	23	20	22	18	16	16	14	13	10
10	45	34	27	22	41	31	25	21	25	21	18	20	17	14	15	13	11	9

**AVERAGE LUMINANCE (cd/sqm):**

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



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CATALOG NUMBER: S123RDIP-S340D805U940-4F0-1E-UDD-A4

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	47.7	1.3
10°-20°	149.1	3.9
20°-30°	234.2	6.2
30°-40°	244.4	6.4
40°-50°	209.1	5.5
50°-60°	159.4	4.2
60°-70°	102.2	2.7
70°-80°	49.1	1.3
80°-90°	15.7	0.4
90°-100°	191.7	5.0
100°-110°	542.7	14.3
110°-120°	533.9	14.0
120°-130°	425.8	11.2
130°-140°	335.7	8.8
140°-150°	250.6	6.6
150°-160°	174.7	4.6
160°-170°	102.6	2.7
170°-180°	33.4	0.9
0°-30°	431.1	11.3
0°-40°	675.4	17.8
0°-60°	1044.0	27.5
0°-90°	1211.0	31.9
90°-120°	1268.2	33.4
90°-150°	2280.4	60.0
90°-180°	2591.0	68.1
0°-180°	3802.1	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	485	485	485	485	485	
5°	576	486	428	486	576	59
15°	819	463	342	463	819	232
25°	844	421	278	421	844	363
35°	366	367	226	367	366	240
45°	195	295	178	295	195	154
55°	123	207	122	207	123	111
65°	71	128	76	128	71	69
75°	30	62	39	62	30	32
85°	7	14	14	14	7	9
90°	20	1	20	1	20	11
95°	81	24	81	24	81	146
105°	887	81	887	81	887	875
115°	1078	143	1078	143	1078	1048
125°	850	199	850	199	850	771
135°	690	233	690	233	690	535
145°	539	266	539	266	539	343
155°	447	302	447	302	447	208
165°	390	330	390	330	390	111
175°	351	344	351	344	351	34
180°	344	344	344	344	344	



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	485.3	485.3	485.3	485.3	485.3	485.3	485.3	485.3	485.3	485.3	485.3
2.5°	516.9	517.5	515.4	515.1	512.6	511.9	511.9	508.4	506.2	503.5	501.8
5°	576.3	579.6	577.9	574.3	568.0	566.5	562.6	556.3	549.3	540.6	536.5
7.5°	650.5	655.1	653.3	647.6	641.0	635.7	624.6	614.2	599.8	587.0	576.1
10°	711.3	706.6	702.8	697.2	691.2	681.4	669.8	653.8	635.3	620.7	604.6
12.5°	756.9	756.1	751.4	745.6	737.1	727.8	713.5	694.0	672.5	651.5	632.9
15°	818.9	820.2	817.1	811.1	799.0	782.6	761.0	752.9	722.1	699.3	676.5
17.5°	861.9	861.7	861.2	852.9	840.6	828.9	808.9	787.6	759.7	727.5	696.8
20°	889.2	887.1	887.5	878.2	869.1	855.5	836.0	805.0	782.2	745.0	713.2
22.5°	888.5	888.1	889.7	886.4	879.9	869.5	854.1	828.0	798.8	761.3	725.5
25°	843.9	842.2	851.9	854.7	865.3	867.2	862.6	848.3	820.6	781.9	737.7
27.5°	706.2	705.3	723.4	746.2	774.9	797.3	818.9	829.3	820.6	792.9	748.6
30°	579.6	599.1	608.3	641.1	677.7	721.3	759.6	795.9	804.9	792.7	756.4
32.5°	481.3	498.3	506.0	534.0	568.2	619.3	676.6	728.1	764.5	773.6	751.8
35°	366.0	366.2	383.7	396.2	427.8	480.3	536.0	604.9	673.5	725.5	730.8
37.5°	292.1	293.1	303.7	316.1	339.8	367.6	416.6	473.9	553.1	632.8	679.7
40°	252.2	254.0	262.0	274.2	291.2	312.3	350.4	404.5	470.6	559.3	631.8
42.5°	226.6	229.6	233.7	243.2	253.7	273.4	304.3	346.0	406.1	490.0	573.6
45°	195.3	197.0	200.1	204.5	214.0	227.7	248.4	276.5	326.4	393.9	477.6
47.5°	172.3	171.4	174.7	178.2	184.6	193.9	207.9	230.7	266.3	320.5	391.5
50°	156.7	156.4	158.7	161.4	167.5	174.3	185.7	203.0	231.2	276.1	341.2
52.5°	142.0	142.8	144.5	147.8	152.1	157.7	167.9	180.4	204.6	243.3	297.6
55°	122.6	123.2	125.5	127.3	130.5	136.1	142.5	152.9	169.5	196.5	241.2
57.5°	106.1	105.8	108.0	108.5	112.0	116.5	121.5	129.7	141.7	161.8	191.8
60°	95.1	94.5	96.4	97.8	99.7	103.4	107.6	115.5	125.1	139.8	165.6
62.5°	85.2	84.9	86.2	87.7	89.3	92.6	96.1	102.2	109.8	122.2	142.7
65°	70.6	71.2	71.9	72.5	73.3	75.4	78.7	82.9	88.1	96.8	111.6
67.5°	55.6	56.2	56.4	57.6	59.4	60.7	62.8	66.4	70.1	77.4	85.8
70°	44.9	44.7	44.9	45.5	47.8	50.0	52.8	55.5	57.8	63.0	70.0
72.5°	38.5	38.2	38.7	38.9	39.9	40.6	42.3	44.9	47.8	51.3	56.4
75°	29.9	29.9	29.9	29.9	30.8	31.1	31.7	32.4	33.4	35.1	38.9
77.5°	22.1	22.1	22.5	22.6	22.8	23.1	23.5	24.1	24.4	25.3	26.9
80°	17.5	17.7	17.5	17.7	17.7	18.1	18.3	18.9	19.1	20.2	20.8
82.5°	13.1	13.0	13.1	13.4	13.4	13.7	13.8	14.3	14.3	14.8	15.4
85°	7.0	6.7	7.0	6.9	7.3	6.9	7.0	7.5	7.5	7.7	8.6
87.5°	5.7	6.2	5.7	5.7	5.9	5.8	5.6	5.4	5.7	5.6	5.4
90°	20.2	21.0	20.2	19.5	20.2	18.8	18.1	17.4	16.8	17.4	15.3
92.5°	33.6	34.9	34.2	36.3	37.5	41.1	46.5	58.7	80.9	107.2	118.0
95°	80.9	83.6	88.5	94.8	108.1	133.1	170.1	251.0	335.4	413.4	368.1
97.5°	220.2	226.1	245.0	276.3	327.8	411.2	501.1	625.6	685.5	640.7	469.0
100°	437.1	436.4	463.6	514.5	584.9	683.9	765.4	822.0	797.5	660.2	446.2
102.5°	641.2	657.3	680.0	720.3	775.1	837.9	885.4	887.2	803.2	623.9	412.7
105°	886.8	890.3	912.6	939.1	971.2	989.3	976.0	906.3	760.6	560.5	371.6
107.5°	1028.1	1034.6	1042.1	1051.1	1050.4	1025.6	964.6	851.4	686.2	504.4	345.4
110°	1086.2	1087.5	1089.0	1083.3	1063.9	1015.0	927.2	799.0	639.3	472.7	335.4



TEST NUMBER: P332254-940

CATALOG NUMBER: S123RDIP-S340D805U940-4F0-1E-UDD-A4

**CANDELA DISTRIBUTION (continued):**

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	1097.9	1097.6	1092.3	1075.0	1039.3	976.6	878.2	747.1	598.6	451.5	329.8
115°	1078.5	1075.0	1061.0	1030.4	978.1	902.1	799.6	678.3	549.4	428.7	327.7
117.5°	1016.9	1012.1	992.0	956.9	902.4	825.3	733.3	628.6	519.7	415.4	329.0
120°	965.5	961.4	944.7	905.6	850.5	780.2	696.4	602.4	504.1	409.2	331.2
122.5°	917.6	912.3	893.9	858.7	809.9	744.4	666.9	581.8	491.2	405.4	335.0
125°	850.5	845.6	828.2	797.5	753.0	697.1	630.3	554.2	474.7	400.2	340.9
127.5°	795.3	790.9	775.1	748.9	709.2	658.4	598.0	530.3	460.3	397.7	347.6
130°	764.1	758.5	743.9	718.8	681.8	634.5	577.9	515.2	452.5	396.0	352.0
132.5°	733.4	729.5	716.6	691.4	656.7	611.5	559.0	501.2	445.2	395.4	355.4
135°	689.5	684.6	672.1	651.1	617.0	577.2	531.9	482.4	435.7	394.6	360.4
137.5°	643.1	639.9	629.3	608.1	579.3	544.9	505.9	465.3	427.5	393.1	363.8
140°	610.7	611.4	600.2	580.8	554.2	524.2	490.8	455.2	422.5	392.5	366.0
142.5°	580.6	581.3	571.2	553.9	531.4	505.3	476.3	445.8	418.0	391.4	367.7
145°	538.9	537.5	531.9	517.3	499.9	479.7	457.4	434.4	412.1	389.7	368.8
147.5°	504.6	504.1	498.7	488.8	475.6	461.3	443.3	425.0	406.2	387.1	368.8
150°	484.6	484.6	480.4	472.7	462.2	449.0	434.4	418.3	402.3	384.9	368.8
152.5°	467.8	467.8	465.3	458.2	450.0	438.9	426.0	412.1	397.8	382.0	367.1
155°	446.8	446.2	444.8	439.2	432.9	424.5	414.1	403.0	391.1	377.2	365.3
157.5°	427.8	427.9	426.8	422.6	417.1	410.6	402.5	393.2	383.6	372.8	362.9
160°	415.5	416.2	416.2	412.1	407.2	402.3	395.3	387.6	378.5	369.5	361.9
162.5°	404.4	405.0	405.0	401.4	398.2	393.9	387.4	380.9	373.5	366.1	359.6
165°	389.7	389.7	390.4	387.6	384.9	381.4	376.5	372.3	366.7	361.1	356.2
167.5°	375.8	375.8	376.5	374.5	373.3	370.8	367.9	364.7	360.2	356.1	352.9
170°	367.4	367.4	368.1	366.7	366.0	364.6	361.9	359.7	356.2	352.8	350.7
172.5°	359.6	360.2	361.4	360.0	359.9	359.0	356.8	355.3	352.3	350.0	349.0
175°	350.7	351.3	352.0	351.3	351.3	351.3	350.0	349.3	347.9	346.5	346.5
177.5°	345.5	345.5	346.6	346.1	346.6	346.6	346.1	345.5	344.9	344.4	344.9
180°	344.4	344.4	344.4	344.4	344.4	344.4	344.4	344.4	344.4	344.4	344.4



TEST NUMBER: P332254-940

CATALOG NUMBER: S123RDIP-S340D805U940-4F0-1E-UDD-A4

**CANDELA DISTRIBUTION (continued):**

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	485.3	485.3	485.3	485.3	485.3	485.3	485.3	485.3	485.3	485.3	485.3
2.5°	501.1	500.6	498.3	495.6	492.1	489.8	487.9	487.0	483.9	480.3	477.9
5°	532.1	525.8	519.2	511.0	503.5	495.9	491.2	485.5	478.7	471.0	465.6
7.5°	565.2	552.9	539.8	526.2	512.8	500.8	490.1	481.0	470.1	459.1	451.4
10°	590.7	572.7	554.3	535.4	518.2	501.9	489.5	477.2	464.1	451.5	441.8
12.5°	613.8	590.2	568.9	545.6	523.6	504.3	486.3	471.9	456.1	442.6	431.8
15°	643.0	618.8	593.2	557.8	528.5	504.0	482.1	463.2	444.2	427.6	417.0
17.5°	670.3	634.1	599.4	570.0	531.9	501.3	474.7	452.1	431.1	413.5	400.4
20°	681.6	646.5	608.9	571.3	534.0	499.6	468.7	443.7	422.0	402.0	389.9
22.5°	688.4	648.7	609.0	568.6	529.0	493.3	462.7	435.2	411.6	392.7	377.8
25°	696.3	649.0	605.4	565.5	525.0	486.3	450.0	420.9	395.4	375.2	359.4
27.5°	701.6	645.9	594.3	550.0	508.9	470.5	437.1	406.3	380.3	359.0	342.1
30°	702.6	643.4	585.9	537.9	496.1	460.7	425.4	396.0	368.5	345.9	330.1
32.5°	703.9	637.2	574.4	523.4	480.6	445.7	413.7	385.5	357.4	335.1	319.0
35°	698.5	633.8	557.0	498.4	455.6	421.7	392.9	366.8	339.3	317.6	301.2
37.5°	674.8	620.4	539.0	470.2	425.4	394.1	370.6	347.9	322.6	299.3	283.8
40°	651.1	607.1	525.0	453.1	406.4	374.2	352.9	334.5	310.0	288.1	271.5
42.5°	615.7	588.9	511.7	435.2	384.8	353.7	335.8	318.5	297.0	274.8	259.2
45°	550.7	554.3	484.5	406.5	354.8	323.7	306.8	294.8	275.7	257.4	241.4
47.5°	469.3	502.3	452.5	376.1	323.3	294.1	279.4	268.9	255.9	238.0	223.4
50°	416.2	463.2	427.0	355.7	303.5	274.5	259.9	251.4	240.1	226.0	212.1
52.5°	367.1	417.8	396.0	332.9	282.0	255.5	241.3	234.3	225.3	212.0	199.5
55°	299.3	350.7	345.7	298.5	249.9	226.0	215.3	207.3	201.3	191.4	181.4
57.5°	242.2	290.8	293.4	260.3	221.6	198.0	188.7	182.7	178.8	171.3	162.0
60°	206.1	250.7	259.5	234.5	201.3	180.6	171.4	166.6	163.5	157.5	150.4
62.5°	176.2	214.2	224.1	206.2	181.9	162.4	155.2	150.7	148.6	143.4	137.1
65°	134.8	166.4	175.9	166.0	153.3	137.8	131.9	128.0	126.1	123.2	118.6
67.5°	101.4	124.4	134.9	127.9	123.2	113.4	109.8	107.6	105.9	104.0	100.1
70°	81.4	98.4	109.2	107.5	103.7	98.4	95.8	94.3	92.6	91.0	87.7
72.5°	65.5	77.2	87.3	88.3	85.2	84.2	81.8	81.1	80.2	78.2	76.3
75°	43.4	51.5	58.6	61.3	62.5	63.6	62.5	62.3	62.2	60.5	59.4
77.5°	28.4	32.8	37.3	41.9	43.9	45.2	45.6	46.4	45.7	44.9	44.4
80°	21.8	22.8	25.9	29.9	33.0	34.2	35.1	35.5	35.3	35.1	34.2
82.5°	15.9	16.7	18.2	21.0	23.5	25.6	26.1	26.0	26.5	26.7	25.9
85°	8.6	8.7	9.2	9.5	11.0	13.3	13.9	14.4	14.7	14.7	13.5
87.5°	5.4	4.7	4.6	4.4	4.5	4.4	5.1	5.6	6.1	5.6	6.1
90°	13.3	11.1	9.1	7.7	6.2	4.2	2.8	1.4	2.8	4.2	6.2
92.5°	88.5	58.6	40.3	30.0	24.2	18.7	12.8	8.6	12.8	18.7	24.2
95°	253.8	149.9	90.6	63.4	45.3	33.4	25.8	23.7	25.8	33.4	45.3
97.5°	278.5	161.3	104.7	75.3	57.4	47.2	41.1	40.4	41.1	47.2	57.4
100°	262.8	159.6	110.8	83.6	67.0	57.2	52.3	51.6	52.3	57.2	67.0
102.5°	249.4	161.8	118.1	93.2	78.1	68.8	64.6	63.3	64.6	68.8	78.1
105°	239.8	168.0	130.4	108.8	95.5	87.1	82.9	80.9	82.9	87.1	95.5
107.5°	239.2	179.4	146.4	126.4	113.9	105.7	101.7	99.5	101.7	105.7	113.9
110°	241.9	189.0	157.6	138.0	126.2	118.5	115.0	113.0	115.0	118.5	126.2





TEST NUMBER: P332254-940

CATALOG NUMBER: S123RDIP-S340D805U940-4F0-1E-UDD-A4

**CANDELA DISTRIBUTION (continued):**

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	247.4	198.4	169.2	150.3	138.5	130.8	127.3	125.2	127.3	130.8	138.5
115°	256.5	214.0	187.5	168.7	156.9	149.9	145.7	142.9	145.7	149.9	156.9
117.5°	268.6	230.6	204.4	187.0	173.7	167.3	163.8	160.6	163.8	167.3	173.7
120°	277.5	241.2	216.2	198.7	185.5	178.4	175.0	172.9	175.0	178.4	185.5
122.5°	285.8	252.4	227.8	209.3	196.6	189.0	185.6	183.5	185.6	189.0	196.6
125°	299.1	268.4	244.0	225.2	212.0	204.3	200.1	198.7	200.1	204.3	212.0
127.5°	310.0	282.3	258.8	240.0	225.3	217.5	212.3	210.3	212.3	217.5	225.3
130°	317.2	290.7	267.7	248.9	234.3	225.9	219.6	217.5	219.6	225.9	234.3
132.5°	323.9	297.9	275.5	257.3	242.6	232.6	225.8	223.1	225.8	232.6	242.6
135°	332.5	308.8	287.2	268.4	253.8	243.3	235.7	232.8	235.7	243.3	253.8
137.5°	338.9	316.4	295.6	278.1	263.7	252.5	245.0	242.0	245.0	252.5	263.7
140°	342.3	321.4	301.1	283.7	269.8	258.7	251.6	248.2	251.6	258.7	269.8
142.5°	345.6	325.3	305.6	289.4	275.4	265.4	257.8	254.9	257.8	265.4	275.4
145°	349.3	330.5	312.4	296.3	284.5	274.0	267.7	265.6	267.7	274.0	284.5
147.5°	351.5	334.7	318.1	304.3	292.9	283.9	277.8	276.5	277.8	283.9	292.9
150°	352.0	337.4	321.4	308.8	299.1	290.0	284.5	283.7	284.5	290.0	299.1
152.5°	353.2	339.1	325.3	313.3	304.7	296.7	291.1	291.0	291.1	296.7	304.7
155°	353.5	342.3	330.5	320.7	313.0	306.0	301.8	301.8	301.8	306.0	313.0
157.5°	354.2	344.1	334.7	327.1	320.6	314.4	311.0	310.5	311.0	314.4	320.6
160°	354.2	345.8	337.4	330.5	325.6	320.0	317.2	317.2	317.2	320.0	325.6
162.5°	353.6	346.3	339.1	333.2	329.0	324.5	322.3	322.3	322.3	324.5	329.0
165°	352.0	347.1	341.6	336.7	333.9	330.5	329.0	329.8	329.0	330.5	333.9
167.5°	351.0	347.1	343.0	339.9	338.0	335.4	334.7	335.5	334.7	335.4	338.0
170°	349.3	346.5	343.0	341.6	340.2	338.1	337.4	338.9	337.4	338.1	340.2
172.5°	348.7	346.5	343.6	342.7	341.9	340.4	340.2	341.1	340.2	340.4	341.9
175°	347.1	345.8	344.4	343.7	343.7	342.3	343.0	343.7	343.0	342.3	343.7
177.5°	346.1	344.9	344.4	344.4	344.4	343.8	344.4	344.9	344.4	343.8	344.4
180°	344.4	344.4	344.4	344.4	344.4	344.4	344.4	344.4	344.4	344.4	344.4



TEST NUMBER: P332254-940

CATALOG NUMBER: S123RDIP-S340D805U940-4F0-1E-UDD-A4

**CANDELA DISTRIBUTION (continued):**

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	485.3	485.3	485.3	485.3	485.3	485.3	485.3	485.3	485.3	485.3	485.3
2.5°	477.0	474.8	473.3	470.0	467.9	465.6	463.2	464.7	464.5	464.4	464.4
5°	461.0	456.2	451.8	446.2	442.7	438.4	435.1	434.6	435.4	432.6	430.9
7.5°	445.1	438.6	432.4	426.2	419.6	414.4	411.2	409.6	407.5	405.7	403.9
10°	434.0	426.3	420.3	412.6	405.6	399.3	395.4	392.6	391.2	389.8	387.0
12.5°	422.5	415.0	407.3	398.6	391.9	384.7	381.7	378.7	375.9	374.3	370.6
15°	405.7	396.0	387.9	378.7	371.2	364.2	360.1	354.0	353.2	351.1	347.3
17.5°	388.9	378.4	367.1	360.3	352.0	344.6	338.2	336.3	330.3	328.1	324.8
20°	375.6	365.9	357.3	348.4	336.2	329.3	324.3	321.6	316.8	313.9	311.8
22.5°	364.2	354.2	344.4	333.9	323.9	316.1	312.5	308.3	305.7	301.6	299.3
25°	347.8	337.0	325.1	313.9	306.7	300.9	295.0	291.2	287.5	285.6	281.5
27.5°	328.8	317.4	306.4	297.8	288.9	283.2	277.9	274.6	270.1	267.0	264.7
30°	318.3	305.0	295.4	287.8	276.3	270.9	267.0	262.8	259.5	256.2	253.9
32.5°	306.1	294.0	285.0	275.4	266.7	260.7	255.7	252.0	249.1	246.0	243.7
35°	287.1	277.0	267.6	258.1	251.6	245.6	239.5	236.4	233.7	230.8	228.7
37.5°	269.9	260.4	251.5	242.5	234.4	229.5	224.7	222.3	218.6	216.7	214.6
40°	259.3	249.9	240.4	231.7	223.4	219.6	215.3	211.7	208.4	206.9	204.6
42.5°	247.6	238.3	230.2	220.9	214.0	208.9	204.9	201.1	198.6	196.4	195.2
45°	230.4	222.1	214.2	204.8	198.4	194.0	189.5	185.9	183.7	182.2	179.9
47.5°	213.7	205.4	197.3	189.2	183.0	178.0	173.3	170.9	167.9	166.1	164.6
50°	201.5	194.0	185.6	178.1	171.8	166.8	163.1	160.0	157.3	155.0	153.9
52.5°	190.4	182.4	175.0	168.1	161.5	155.9	152.5	149.2	147.1	144.5	143.3
55°	172.0	164.3	158.1	151.2	144.8	140.0	135.9	133.0	130.9	128.0	126.4
57.5°	154.8	147.8	140.4	134.5	127.9	123.9	120.4	116.5	113.9	111.6	109.9
60°	143.1	135.3	128.8	123.2	117.3	112.2	109.1	105.9	103.3	100.9	99.5
62.5°	131.0	124.1	118.0	111.9	106.6	102.0	98.4	95.9	93.5	92.0	90.5
65°	112.4	107.0	100.8	95.8	90.8	87.5	84.5	82.3	80.6	79.5	78.3
67.5°	95.2	90.1	84.6	79.7	76.3	73.8	72.0	70.0	69.1	67.8	67.0
70°	84.2	78.7	73.9	70.2	66.9	65.0	63.8	62.3	61.5	59.8	59.0
72.5°	72.1	68.1	64.6	61.6	58.9	57.2	55.6	53.9	52.5	50.6	49.8
75°	56.7	53.1	50.5	48.4	46.7	44.5	42.2	40.3	39.7	39.1	38.9
77.5°	42.0	39.8	37.8	36.0	34.0	32.4	31.8	31.4	31.3	30.9	30.9
80°	33.0	30.9	29.5	27.5	26.2	26.2	26.2	25.8	25.9	25.9	25.9
82.5°	24.5	22.6	21.8	21.1	20.9	21.0	21.0	21.1	21.0	21.3	21.1
85°	12.7	12.8	13.3	13.1	13.3	13.3	13.7	13.5	13.7	13.3	13.7
87.5°	6.2	7.0	7.6	8.1	8.7	9.0	9.0	9.1	9.5	9.5	9.9
90°	7.7	9.1	11.1	13.3	15.3	17.4	16.8	17.4	18.1	18.8	20.2
92.5°	30.0	40.3	58.6	88.5	118.0	107.2	80.9	58.7	46.5	41.1	37.5
95°	63.4	90.6	149.9	253.8	368.1	413.4	335.4	251.0	170.1	133.1	108.1
97.5°	75.3	104.7	161.3	278.5	469.0	640.7	685.5	625.6	501.1	411.2	327.8
100°	83.6	110.8	159.6	262.8	446.2	660.2	797.5	822.0	765.4	683.9	584.9
102.5°	93.2	118.1	161.8	249.4	412.7	623.9	803.2	887.2	885.4	837.9	775.1
105°	108.8	130.4	168.0	239.8	371.6	560.5	760.6	906.3	976.0	989.3	971.2
107.5°	126.4	146.4	179.4	239.2	345.4	504.4	686.2	851.4	964.6	1025.6	1050.4
110°	138.0	157.6	189.0	241.9	335.4	472.7	639.3	799.0	927.2	1015.0	1063.9



TEST NUMBER: P332254-940

CATALOG NUMBER: S123RDIP-S340D805U940-4F0-1E-UDD-A4

**CANDELA DISTRIBUTION (continued):**

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	150.3	169.2	198.4	247.4	329.8	451.5	598.6	747.1	878.2	976.6	1039.3
115°	168.7	187.5	214.0	256.5	327.7	428.7	549.4	678.3	799.6	902.1	978.1
117.5°	187.0	204.4	230.6	268.6	329.0	415.4	519.7	628.6	733.3	825.3	902.4
120°	198.7	216.2	241.2	277.5	331.2	409.2	504.1	602.4	696.4	780.2	850.5
122.5°	209.3	227.8	252.4	285.8	335.0	405.4	491.2	581.8	666.9	744.4	809.9
125°	225.2	244.0	268.4	299.1	340.9	400.2	474.7	554.2	630.3	697.1	753.0
127.5°	240.0	258.8	282.3	310.0	347.6	397.7	460.3	530.3	598.0	658.4	709.2
130°	248.9	267.7	290.7	317.2	352.0	396.0	452.5	515.2	577.9	634.5	681.8
132.5°	257.3	275.5	297.9	323.9	355.4	395.4	445.2	501.2	559.0	611.5	656.7
135°	268.4	287.2	308.8	332.5	360.4	394.6	435.7	482.4	531.9	577.2	617.0
137.5°	278.1	295.6	316.4	338.9	363.8	393.1	427.5	465.3	505.9	544.9	579.3
140°	283.7	301.1	321.4	342.3	366.0	392.5	422.5	455.2	490.8	524.2	554.2
142.5°	289.4	305.6	325.3	345.6	367.7	391.4	418.0	445.8	476.3	505.3	531.4
145°	296.3	312.4	330.5	349.3	368.8	389.7	412.1	434.4	457.4	479.7	499.9
147.5°	304.3	318.1	334.7	351.5	368.8	387.1	406.2	425.0	443.3	461.3	475.6
150°	308.8	321.4	337.4	352.0	368.8	384.9	402.3	418.3	434.4	449.0	462.2
152.5°	313.3	325.3	339.1	353.2	367.1	382.0	397.8	412.1	426.0	438.9	450.0
155°	320.7	330.5	342.3	353.5	365.3	377.2	391.1	403.0	414.1	424.5	432.9
157.5°	327.1	334.7	344.1	354.2	362.9	372.8	383.6	393.2	402.5	410.6	417.1
160°	330.5	337.4	345.8	354.2	361.9	369.5	378.5	387.6	395.3	402.3	407.2
162.5°	333.2	339.1	346.3	353.6	359.6	366.1	373.5	380.9	387.4	393.9	398.2
165°	336.7	341.6	347.1	352.0	356.2	361.1	366.7	372.3	376.5	381.4	384.9
167.5°	339.9	343.0	347.1	351.0	352.9	356.1	360.2	364.7	367.9	370.8	373.3
170°	341.6	343.0	346.5	349.3	350.7	352.8	356.2	359.7	361.9	364.6	366.0
172.5°	342.7	343.6	346.5	348.7	349.0	350.0	352.3	355.3	356.8	359.0	359.9
175°	343.7	344.4	345.8	347.1	346.5	346.5	347.9	349.3	350.0	351.3	351.3
177.5°	344.4	344.4	344.9	346.1	344.9	344.4	344.9	345.5	346.1	346.6	346.6
180°	344.4	344.4	344.4	344.4	344.4	344.4	344.4	344.4	344.4	344.4	344.4



TEST NUMBER: P332254-940

CATALOG NUMBER: S123RDIP-S340D805U940-4F0-1E-UDD-A4

**CANDELA DISTRIBUTION (continued):**

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	485.3	485.3	485.3	485.3	485.3	485.3	485.3	485.3	485.3	485.3	485.3
2.5°	462.4	462.2	462.4	461.7	462.4	462.2	462.4	464.4	464.4	464.5	464.7
5°	430.3	430.1	429.4	427.6	429.4	430.1	430.3	430.9	432.6	435.4	434.6
7.5°	402.2	401.9	400.1	400.1	400.1	401.9	402.2	403.9	405.7	407.5	409.6
10°	385.6	385.8	383.3	381.8	383.3	385.8	385.6	387.0	389.8	391.2	392.6
12.5°	369.4	368.5	366.5	364.9	366.5	368.5	369.4	370.6	374.3	375.9	378.7
15°	348.2	346.1	341.2	341.5	341.2	346.1	348.2	347.3	351.1	353.2	354.0
17.5°	323.2	321.6	321.6	318.6	321.6	321.6	323.2	324.8	328.1	330.3	336.3
20°	308.5	307.5	307.9	305.0	307.9	307.5	308.5	311.8	313.9	316.8	321.6
22.5°	297.0	296.0	294.3	293.4	294.3	296.0	297.0	299.3	301.6	305.7	308.3
25°	280.3	278.6	277.0	277.9	277.0	278.6	280.3	281.5	285.6	287.5	291.2
27.5°	263.5	262.3	260.6	260.4	260.6	262.3	263.5	264.7	267.0	270.1	274.6
30°	252.8	251.6	250.7	249.7	250.7	251.6	252.8	253.9	256.2	259.5	262.8
32.5°	242.0	241.7	240.3	240.0	240.3	241.7	242.0	243.7	246.0	249.1	252.0
35°	227.9	226.7	226.2	226.4	226.2	226.7	227.9	228.7	230.8	233.7	236.4
37.5°	214.5	212.9	212.0	211.3	212.0	212.9	214.5	214.6	216.7	218.6	222.3
40°	204.8	203.2	202.8	202.3	202.8	203.2	204.8	204.6	206.9	208.4	211.7
42.5°	194.0	193.4	193.1	192.3	193.1	193.4	194.0	195.2	196.4	198.6	201.1
45°	179.3	179.1	177.8	178.3	177.8	179.1	179.3	179.9	182.2	183.7	185.9
47.5°	163.7	162.8	161.9	162.6	161.9	162.8	163.7	164.6	166.1	167.9	170.9
50°	153.1	152.7	150.8	151.2	150.8	152.7	153.1	153.9	155.0	157.3	160.0
52.5°	142.5	140.9	140.2	139.9	140.2	140.9	142.5	143.3	144.5	147.1	149.2
55°	124.8	123.0	122.2	121.7	122.2	123.0	124.8	126.4	128.0	130.9	133.0
57.5°	107.5	107.1	106.4	106.8	106.4	107.1	107.5	109.9	111.6	113.9	116.5
60°	97.5	97.5	97.5	97.2	97.5	97.5	97.5	99.5	100.9	103.3	105.9
62.5°	89.6	89.1	89.0	89.3	89.0	89.1	89.6	90.5	92.0	93.5	95.9
65°	77.7	77.5	76.7	76.4	76.7	77.5	77.7	78.3	79.5	80.6	82.3
67.5°	66.4	65.7	65.5	65.2	65.5	65.7	66.4	67.0	67.8	69.1	70.0
70°	58.0	57.5	56.3	56.5	56.3	57.5	58.0	59.0	59.8	61.5	62.3
72.5°	48.9	48.4	48.2	47.9	48.2	48.4	48.9	49.8	50.6	52.5	53.9
75°	38.6	38.4	38.3	39.1	38.3	38.4	38.6	38.9	39.1	39.7	40.3
77.5°	30.9	30.9	31.1	30.8	31.1	30.9	30.9	30.9	30.9	31.3	31.4
80°	25.9	25.9	25.8	25.8	25.8	25.9	25.9	25.9	25.9	25.9	25.8
82.5°	20.8	21.0	21.1	20.8	21.1	21.0	20.8	21.1	21.3	21.0	21.1
85°	13.7	13.5	13.9	13.7	13.9	13.5	13.7	13.7	13.3	13.7	13.5
87.5°	10.1	9.9	10.0	10.0	10.0	9.9	10.1	9.9	9.5	9.5	9.1
90°	19.5	20.2	21.0	20.2	21.0	20.2	19.5	20.2	18.8	18.1	17.4
92.5°	36.3	34.2	34.9	33.6	34.9	34.2	36.3	37.5	41.1	46.5	58.7
95°	94.8	88.5	83.6	80.9	83.6	88.5	94.8	108.1	133.1	170.1	251.0
97.5°	276.3	245.0	226.1	220.2	226.1	245.0	276.3	327.8	411.2	501.1	625.6
100°	514.5	463.6	436.4	437.1	436.4	463.6	514.5	584.9	683.9	765.4	822.0
102.5°	720.3	680.0	657.3	641.2	657.3	680.0	720.3	775.1	837.9	885.4	887.2
105°	939.1	912.6	890.3	886.8	890.3	912.6	939.1	971.2	989.3	976.0	906.3
107.5°	1051.1	1042.1	1034.6	1028.1	1034.6	1042.1	1051.1	1050.4	1025.6	964.6	851.4
110°	1083.3	1089.0	1087.5	1086.2	1087.5	1089.0	1083.3	1063.9	1015.0	927.2	799.0



TEST NUMBER: P332254-940

CATALOG NUMBER: S123RDIP-S340D805U940-4F0-1E-UDD-A4

**CANDELA DISTRIBUTION (continued):**

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	1075.0	1092.3	1097.6	1097.9	1097.6	1092.3	1075.0	1039.3	976.6	878.2	747.1
115°	1030.4	1061.0	1075.0	1078.5	1075.0	1061.0	1030.4	978.1	902.1	799.6	678.3
117.5°	956.9	992.0	1012.1	1016.9	1012.1	992.0	956.9	902.4	825.3	733.3	628.6
120°	905.6	944.7	961.4	965.5	961.4	944.7	905.6	850.5	780.2	696.4	602.4
122.5°	858.7	893.9	912.3	917.6	912.3	893.9	858.7	809.9	744.4	666.9	581.8
125°	797.5	828.2	845.6	850.5	845.6	828.2	797.5	753.0	697.1	630.3	554.2
127.5°	748.9	775.1	790.9	795.3	790.9	775.1	748.9	709.2	658.4	598.0	530.3
130°	718.8	743.9	758.5	764.1	758.5	743.9	718.8	681.8	634.5	577.9	515.2
132.5°	691.4	716.6	729.5	733.4	729.5	716.6	691.4	656.7	611.5	559.0	501.2
135°	651.1	672.1	684.6	689.5	684.6	672.1	651.1	617.0	577.2	531.9	482.4
137.5°	608.1	629.3	639.9	643.1	639.9	629.3	608.1	579.3	544.9	505.9	465.3
140°	580.8	600.2	611.4	610.7	611.4	600.2	580.8	554.2	524.2	490.8	455.2
142.5°	553.9	571.2	581.3	580.6	581.3	571.2	553.9	531.4	505.3	476.3	445.8
145°	517.3	531.9	537.5	538.9	537.5	531.9	517.3	499.9	479.7	457.4	434.4
147.5°	488.8	498.7	504.1	504.6	504.1	498.7	488.8	475.6	461.3	443.3	425.0
150°	472.7	480.4	484.6	484.6	484.6	480.4	472.7	462.2	449.0	434.4	418.3
152.5°	458.2	465.3	467.8	467.8	467.8	465.3	458.2	450.0	438.9	426.0	412.1
155°	439.2	444.8	446.2	446.8	446.2	444.8	439.2	432.9	424.5	414.1	403.0
157.5°	422.6	426.8	427.9	427.8	427.9	426.8	422.6	417.1	410.6	402.5	393.2
160°	412.1	416.2	416.2	415.5	416.2	416.2	412.1	407.2	402.3	395.3	387.6
162.5°	401.4	405.0	405.0	404.4	405.0	405.0	401.4	398.2	393.9	387.4	380.9
165°	387.6	390.4	389.7	389.7	389.7	390.4	387.6	384.9	381.4	376.5	372.3
167.5°	374.5	376.5	375.8	375.8	375.8	376.5	374.5	373.3	370.8	367.9	364.7
170°	366.7	368.1	367.4	367.4	367.4	368.1	366.7	366.0	364.6	361.9	359.7
172.5°	360.0	361.4	360.2	359.6	360.2	361.4	360.0	359.9	359.0	356.8	355.3
175°	351.3	352.0	351.3	350.7	351.3	352.0	351.3	351.3	351.3	350.0	349.3
177.5°	346.1	346.6	345.5	345.5	345.5	346.6	346.1	346.6	346.6	346.1	345.5
180°	344.4	344.4	344.4	344.4	344.4	344.4	344.4	344.4	344.4	344.4	344.4



TEST NUMBER: P332254-940

CATALOG NUMBER: S123RDIP-S340D805U940-4F0-1E-UDD-A4

**CANDELA DISTRIBUTION (continued):**

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	485.3	485.3	485.3	485.3	485.3	485.3	485.3	485.3	485.3	485.3	485.3
2.5°	463.2	465.6	467.9	470.0	473.3	474.8	477.0	477.9	480.3	483.9	487.0
5°	435.1	438.4	442.7	446.2	451.8	456.2	461.0	465.6	471.0	478.7	485.5
7.5°	411.2	414.4	419.6	426.2	432.4	438.6	445.1	451.4	459.1	470.1	481.0
10°	395.4	399.3	405.6	412.6	420.3	426.3	434.0	441.8	451.5	464.1	477.2
12.5°	381.7	384.7	391.9	398.6	407.3	415.0	422.5	431.8	442.6	456.1	471.9
15°	360.1	364.2	371.2	378.7	387.9	396.0	405.7	417.0	427.6	444.2	463.2
17.5°	338.2	344.6	352.0	360.3	367.1	378.4	388.9	400.4	413.5	431.1	452.1
20°	324.3	329.3	336.2	348.4	357.3	365.9	375.6	389.9	402.0	422.0	443.7
22.5°	312.5	316.1	323.9	333.9	344.4	354.2	364.2	377.8	392.7	411.6	435.2
25°	295.0	300.9	306.7	313.9	325.1	337.0	347.8	359.4	375.2	395.4	420.9
27.5°	277.9	283.2	288.9	297.8	306.4	317.4	328.8	342.1	359.0	380.3	406.3
30°	267.0	270.9	276.3	287.8	295.4	305.0	318.3	330.1	345.9	368.5	396.0
32.5°	255.7	260.7	266.7	275.4	285.0	294.0	306.1	319.0	335.1	357.4	385.5
35°	239.5	245.6	251.6	258.1	267.6	277.0	287.1	301.2	317.6	339.3	366.8
37.5°	224.7	229.5	234.4	242.5	251.5	260.4	269.9	283.8	299.3	322.6	347.9
40°	215.3	219.6	223.4	231.7	240.4	249.9	259.3	271.5	288.1	310.0	334.5
42.5°	204.9	208.9	214.0	220.9	230.2	238.3	247.6	259.2	274.8	297.0	318.5
45°	189.5	194.0	198.4	204.8	214.2	222.1	230.4	241.4	257.4	275.7	294.8
47.5°	173.3	178.0	183.0	189.2	197.3	205.4	213.7	223.4	238.0	255.9	268.9
50°	163.1	166.8	171.8	178.1	185.6	194.0	201.5	212.1	226.0	240.1	251.4
52.5°	152.5	155.9	161.5	168.1	175.0	182.4	190.4	199.5	212.0	225.3	234.3
55°	135.9	140.0	144.8	151.2	158.1	164.3	172.0	181.4	191.4	201.3	207.3
57.5°	120.4	123.9	127.9	134.5	140.4	147.8	154.8	162.0	171.3	178.8	182.7
60°	109.1	112.2	117.3	123.2	128.8	135.3	143.1	150.4	157.5	163.5	166.6
62.5°	98.4	102.0	106.6	111.9	118.0	124.1	131.0	137.1	143.4	148.6	150.7
65°	84.5	87.5	90.8	95.8	100.8	107.0	112.4	118.6	123.2	126.1	128.0
67.5°	72.0	73.8	76.3	79.7	84.6	90.1	95.2	100.1	104.0	105.9	107.6
70°	63.8	65.0	66.9	70.2	73.9	78.7	84.2	87.7	91.0	92.6	94.3
72.5°	55.6	57.2	58.9	61.6	64.6	68.1	72.1	76.3	78.2	80.2	81.1
75°	42.2	44.5	46.7	48.4	50.5	53.1	56.7	59.4	60.5	62.2	62.3
77.5°	31.8	32.4	34.0	36.0	37.8	39.8	42.0	44.4	44.9	45.7	46.4
80°	26.2	26.2	26.2	27.5	29.5	30.9	33.0	34.2	35.1	35.3	35.5
82.5°	21.0	21.0	20.9	21.1	21.8	22.6	24.5	25.9	26.7	26.5	26.0
85°	13.7	13.3	13.3	13.1	13.3	12.8	12.7	13.5	14.7	14.7	14.4
87.5°	9.0	9.0	8.7	8.1	7.6	7.0	6.2	6.1	5.6	6.1	5.6
90°	16.8	17.4	15.3	13.3	11.1	9.1	7.7	6.2	4.2	2.8	1.4
92.5°	80.9	107.2	118.0	88.5	58.6	40.3	30.0	24.2	18.7	12.8	8.6
95°	335.4	413.4	368.1	253.8	149.9	90.6	63.4	45.3	33.4	25.8	23.7
97.5°	685.5	640.7	469.0	278.5	161.3	104.7	75.3	57.4	47.2	41.1	40.4
100°	797.5	660.2	446.2	262.8	159.6	110.8	83.6	67.0	57.2	52.3	51.6
102.5°	803.2	623.9	412.7	249.4	161.8	118.1	93.2	78.1	68.8	64.6	63.3
105°	760.6	560.5	371.6	239.8	168.0	130.4	108.8	95.5	87.1	82.9	80.9
107.5°	686.2	504.4	345.4	239.2	179.4	146.4	126.4	113.9	105.7	101.7	99.5
110°	639.3	472.7	335.4	241.9	189.0	157.6	138.0	126.2	118.5	115.0	113.0



TEST NUMBER: P332254-940

CATALOG NUMBER: S123RDIP-S340D805U940-4F0-1E-UDD-A4

**CANDELA DISTRIBUTION (continued):**

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	598.6	451.5	329.8	247.4	198.4	169.2	150.3	138.5	130.8	127.3	125.2
115°	549.4	428.7	327.7	256.5	214.0	187.5	168.7	156.9	149.9	145.7	142.9
117.5°	519.7	415.4	329.0	268.6	230.6	204.4	187.0	173.7	167.3	163.8	160.6
120°	504.1	409.2	331.2	277.5	241.2	216.2	198.7	185.5	178.4	175.0	172.9
122.5°	491.2	405.4	335.0	285.8	252.4	227.8	209.3	196.6	189.0	185.6	183.5
125°	474.7	400.2	340.9	299.1	268.4	244.0	225.2	212.0	204.3	200.1	198.7
127.5°	460.3	397.7	347.6	310.0	282.3	258.8	240.0	225.3	217.5	212.3	210.3
130°	452.5	396.0	352.0	317.2	290.7	267.7	248.9	234.3	225.9	219.6	217.5
132.5°	445.2	395.4	355.4	323.9	297.9	275.5	257.3	242.6	232.6	225.8	223.1
135°	435.7	394.6	360.4	332.5	308.8	287.2	268.4	253.8	243.3	235.7	232.8
137.5°	427.5	393.1	363.8	338.9	316.4	295.6	278.1	263.7	252.5	245.0	242.0
140°	422.5	392.5	366.0	342.3	321.4	301.1	283.7	269.8	258.7	251.6	248.2
142.5°	418.0	391.4	367.7	345.6	325.3	305.6	289.4	275.4	265.4	257.8	254.9
145°	412.1	389.7	368.8	349.3	330.5	312.4	296.3	284.5	274.0	267.7	265.6
147.5°	406.2	387.1	368.8	351.5	334.7	318.1	304.3	292.9	283.9	277.8	276.5
150°	402.3	384.9	368.8	352.0	337.4	321.4	308.8	299.1	290.0	284.5	283.7
152.5°	397.8	382.0	367.1	353.2	339.1	325.3	313.3	304.7	296.7	291.1	291.0
155°	391.1	377.2	365.3	353.5	342.3	330.5	320.7	313.0	306.0	301.8	301.8
157.5°	383.6	372.8	362.9	354.2	344.1	334.7	327.1	320.6	314.4	311.0	310.5
160°	378.5	369.5	361.9	354.2	345.8	337.4	330.5	325.6	320.0	317.2	317.2
162.5°	373.5	366.1	359.6	353.6	346.3	339.1	333.2	329.0	324.5	322.3	322.3
165°	366.7	361.1	356.2	352.0	347.1	341.6	336.7	333.9	330.5	329.0	329.8
167.5°	360.2	356.1	352.9	351.0	347.1	343.0	339.9	338.0	335.4	334.7	335.5
170°	356.2	352.8	350.7	349.3	346.5	343.0	341.6	340.2	338.1	337.4	338.9
172.5°	352.3	350.0	349.0	348.7	346.5	343.6	342.7	341.9	340.4	340.2	341.1
175°	347.9	346.5	346.5	347.1	345.8	344.4	343.7	343.7	342.3	343.0	343.7
177.5°	344.9	344.4	344.9	346.1	344.9	344.4	344.4	344.4	343.8	344.4	344.9
180°	344.4	344.4	344.4	344.4	344.4	344.4	344.4	344.4	344.4	344.4	344.4



TEST NUMBER: P332254-940

CATALOG NUMBER: S123RDIP-S340D805U940-4F0-1E-UDD-A4

**CANDELA DISTRIBUTION (continued):**

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	485.3	485.3	485.3	485.3	485.3	485.3	485.3	485.3	485.3	485.3	485.3
2.5°	487.9	489.8	492.1	495.6	498.3	500.6	501.1	501.8	503.5	506.2	508.4
5°	491.2	495.9	503.5	511.0	519.2	525.8	532.1	536.5	540.6	549.3	556.3
7.5°	490.1	500.8	512.8	526.2	539.8	552.9	565.2	576.1	587.0	599.8	614.2
10°	489.5	501.9	518.2	535.4	554.3	572.7	590.7	604.6	620.7	635.3	653.8
12.5°	486.3	504.3	523.6	545.6	568.9	590.2	613.8	632.9	651.5	672.5	694.0
15°	482.1	504.0	528.5	557.8	593.2	618.8	643.0	676.5	699.3	722.1	752.9
17.5°	474.7	501.3	531.9	570.0	599.4	634.1	670.3	696.8	727.5	759.7	787.6
20°	468.7	499.6	534.0	571.3	608.9	646.5	681.6	713.2	745.0	782.2	805.0
22.5°	462.7	493.3	529.0	568.6	609.0	648.7	688.4	725.5	761.3	798.8	828.0
25°	450.0	486.3	525.0	565.5	605.4	649.0	696.3	737.7	781.9	820.6	848.3
27.5°	437.1	470.5	508.9	550.0	594.3	645.9	701.6	748.6	792.9	820.6	829.3
30°	425.4	460.7	496.1	537.9	585.9	643.4	702.6	756.4	792.7	804.9	795.9
32.5°	413.7	445.7	480.6	523.4	574.4	637.2	703.9	751.8	773.6	764.5	728.1
35°	392.9	421.7	455.6	498.4	557.0	633.8	698.5	730.8	725.5	673.5	604.9
37.5°	370.6	394.1	425.4	470.2	539.0	620.4	674.8	679.7	632.8	553.1	473.9
40°	352.9	374.2	406.4	453.1	525.0	607.1	651.1	631.8	559.3	470.6	404.5
42.5°	335.8	353.7	384.8	435.2	511.7	588.9	615.7	573.6	490.0	406.1	346.0
45°	306.8	323.7	354.8	406.5	484.5	554.3	550.7	477.6	393.9	326.4	276.5
47.5°	279.4	294.1	323.3	376.1	452.5	502.3	469.3	391.5	320.5	266.3	230.7
50°	259.9	274.5	303.5	355.7	427.0	463.2	416.2	341.2	276.1	231.2	203.0
52.5°	241.3	255.5	282.0	332.9	396.0	417.8	367.1	297.6	243.3	204.6	180.4
55°	215.3	226.0	249.9	298.5	345.7	350.7	299.3	241.2	196.5	169.5	152.9
57.5°	188.7	198.0	221.6	260.3	293.4	290.8	242.2	191.8	161.8	141.7	129.7
60°	171.4	180.6	201.3	234.5	259.5	250.7	206.1	165.6	139.8	125.1	115.5
62.5°	155.2	162.4	181.9	206.2	224.1	214.2	176.2	142.7	122.2	109.8	102.2
65°	131.9	137.8	153.3	166.0	175.9	166.4	134.8	111.6	96.8	88.1	82.9
67.5°	109.8	113.4	123.2	127.9	134.9	124.4	101.4	85.8	77.4	70.1	66.4
70°	95.8	98.4	103.7	107.5	109.2	98.4	81.4	70.0	63.0	57.8	55.5
72.5°	81.8	84.2	85.2	88.3	87.3	77.2	65.5	56.4	51.3	47.8	44.9
75°	62.5	63.6	62.5	61.3	58.6	51.5	43.4	38.9	35.1	33.4	32.4
77.5°	45.6	45.2	43.9	41.9	37.3	32.8	28.4	26.9	25.3	24.4	24.1
80°	35.1	34.2	33.0	29.9	25.9	22.8	21.8	20.8	20.2	19.1	18.9
82.5°	26.1	25.6	23.5	21.0	18.2	16.7	15.9	15.4	14.8	14.3	14.3
85°	13.9	13.3	11.0	9.5	9.2	8.7	8.6	8.6	7.7	7.5	7.5
87.5°	5.1	4.4	4.5	4.4	4.6	4.7	5.4	5.4	5.6	5.7	5.4
90°	2.8	4.2	6.2	7.7	9.1	11.1	13.3	15.3	17.4	16.8	17.4
92.5°	12.8	18.7	24.2	30.0	40.3	58.6	88.5	118.0	107.2	80.9	58.7
95°	25.8	33.4	45.3	63.4	90.6	149.9	253.8	368.1	413.4	335.4	251.0
97.5°	41.1	47.2	57.4	75.3	104.7	161.3	278.5	469.0	640.7	685.5	625.6
100°	52.3	57.2	67.0	83.6	110.8	159.6	262.8	446.2	660.2	797.5	822.0
102.5°	64.6	68.8	78.1	93.2	118.1	161.8	249.4	412.7	623.9	803.2	887.2
105°	82.9	87.1	95.5	108.8	130.4	168.0	239.8	371.6	560.5	760.6	906.3
107.5°	101.7	105.7	113.9	126.4	146.4	179.4	239.2	345.4	504.4	686.2	851.4
110°	115.0	118.5	126.2	138.0	157.6	189.0	241.9	335.4	472.7	639.3	799.0





TEST NUMBER: P332254-940

CATALOG NUMBER: S123RDIP-S340D805U940-4F0-1E-UDD-A4

**CANDELA DISTRIBUTION (continued):**

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	127.3	130.8	138.5	150.3	169.2	198.4	247.4	329.8	451.5	598.6	747.1
115°	145.7	149.9	156.9	168.7	187.5	214.0	256.5	327.7	428.7	549.4	678.3
117.5°	163.8	167.3	173.7	187.0	204.4	230.6	268.6	329.0	415.4	519.7	628.6
120°	175.0	178.4	185.5	198.7	216.2	241.2	277.5	331.2	409.2	504.1	602.4
122.5°	185.6	189.0	196.6	209.3	227.8	252.4	285.8	335.0	405.4	491.2	581.8
125°	200.1	204.3	212.0	225.2	244.0	268.4	299.1	340.9	400.2	474.7	554.2
127.5°	212.3	217.5	225.3	240.0	258.8	282.3	310.0	347.6	397.7	460.3	530.3
130°	219.6	225.9	234.3	248.9	267.7	290.7	317.2	352.0	396.0	452.5	515.2
132.5°	225.8	232.6	242.6	257.3	275.5	297.9	323.9	355.4	395.4	445.2	501.2
135°	235.7	243.3	253.8	268.4	287.2	308.8	332.5	360.4	394.6	435.7	482.4
137.5°	245.0	252.5	263.7	278.1	295.6	316.4	338.9	363.8	393.1	427.5	465.3
140°	251.6	258.7	269.8	283.7	301.1	321.4	342.3	366.0	392.5	422.5	455.2
142.5°	257.8	265.4	275.4	289.4	305.6	325.3	345.6	367.7	391.4	418.0	445.8
145°	267.7	274.0	284.5	296.3	312.4	330.5	349.3	368.8	389.7	412.1	434.4
147.5°	277.8	283.9	292.9	304.3	318.1	334.7	351.5	368.8	387.1	406.2	425.0
150°	284.5	290.0	299.1	308.8	321.4	337.4	352.0	368.8	384.9	402.3	418.3
152.5°	291.1	296.7	304.7	313.3	325.3	339.1	353.2	367.1	382.0	397.8	412.1
155°	301.8	306.0	313.0	320.7	330.5	342.3	353.5	365.3	377.2	391.1	403.0
157.5°	311.0	314.4	320.6	327.1	334.7	344.1	354.2	362.9	372.8	383.6	393.2
160°	317.2	320.0	325.6	330.5	337.4	345.8	354.2	361.9	369.5	378.5	387.6
162.5°	322.3	324.5	329.0	333.2	339.1	346.3	353.6	359.6	366.1	373.5	380.9
165°	329.0	330.5	333.9	336.7	341.6	347.1	352.0	356.2	361.1	366.7	372.3
167.5°	334.7	335.4	338.0	339.9	343.0	347.1	351.0	352.9	356.1	360.2	364.7
170°	337.4	338.1	340.2	341.6	343.0	346.5	349.3	350.7	352.8	356.2	359.7
172.5°	340.2	340.4	341.9	342.7	343.6	346.5	348.7	349.0	350.0	352.3	355.3
175°	343.0	342.3	343.7	343.7	344.4	345.8	347.1	346.5	346.5	347.9	349.3
177.5°	344.4	343.8	344.4	344.4	344.4	344.9	346.1	344.9	344.4	344.9	345.5
180°	344.4	344.4	344.4	344.4	344.4	344.4	344.4	344.4	344.4	344.4	344.4



TEST NUMBER: P332254-940

CATALOG NUMBER: S123RDIP-S340D805U940-4F0-1E-UDD-A4

**CANDELA DISTRIBUTION (continued):**

	330°	335°	340°	345°	350°	355°	360°
0°	485.3	485.3	485.3	485.3	485.3	485.3	485.3
2.5°	511.9	511.9	512.6	515.1	515.4	517.5	516.9
5°	562.6	566.5	568.0	574.3	577.9	579.6	576.3
7.5°	624.6	635.7	641.0	647.6	653.3	655.1	650.5
10°	669.8	681.4	691.2	697.2	702.8	706.6	711.3
12.5°	713.5	727.8	737.1	745.6	751.4	756.1	756.9
15°	761.0	782.6	799.0	811.1	817.1	820.2	818.9
17.5°	808.9	828.9	840.6	852.9	861.2	861.7	861.9
20°	836.0	855.5	869.1	878.2	887.5	887.1	889.2
22.5°	854.1	869.5	879.9	886.4	889.7	888.1	888.5
25°	862.6	867.2	865.3	854.7	851.9	842.2	843.9
27.5°	818.9	797.3	774.9	746.2	723.4	705.3	706.2
30°	759.6	721.3	677.7	641.1	608.3	599.1	579.6
32.5°	676.6	619.3	568.2	534.0	506.0	498.3	481.3
35°	536.0	480.3	427.8	396.2	383.7	366.2	366.0
37.5°	416.6	367.6	339.8	316.1	303.7	293.1	292.1
40°	350.4	312.3	291.2	274.2	262.0	254.0	252.2
42.5°	304.3	273.4	253.7	243.2	233.7	229.6	226.6
45°	248.4	227.7	214.0	204.5	200.1	197.0	195.3
47.5°	207.9	193.9	184.6	178.2	174.7	171.4	172.3
50°	185.7	174.3	167.5	161.4	158.7	156.4	156.7
52.5°	167.9	157.7	152.1	147.8	144.5	142.8	142.0
55°	142.5	136.1	130.5	127.3	125.5	123.2	122.6
57.5°	121.5	116.5	112.0	108.5	108.0	105.8	106.1
60°	107.6	103.4	99.7	97.8	96.4	94.5	95.1
62.5°	96.1	92.6	89.3	87.7	86.2	84.9	85.2
65°	78.7	75.4	73.3	72.5	71.9	71.2	70.6
67.5°	62.8	60.7	59.4	57.6	56.4	56.2	55.6
70°	52.8	50.0	47.8	45.5	44.9	44.7	44.9
72.5°	42.3	40.6	39.9	38.9	38.7	38.2	38.5
75°	31.7	31.1	30.8	29.9	29.9	29.9	29.9
77.5°	23.5	23.1	22.8	22.6	22.5	22.1	22.1
80°	18.3	18.1	17.7	17.7	17.5	17.7	17.5
82.5°	13.8	13.7	13.4	13.4	13.1	13.0	13.1
85°	7.0	6.9	7.3	6.9	7.0	6.7	7.0
87.5°	5.6	5.8	5.9	5.7	5.7	6.2	5.7
90°	18.1	18.8	20.2	19.5	20.2	21.0	20.2
92.5°	46.5	41.1	37.5	36.3	34.2	34.9	33.6
95°	170.1	133.1	108.1	94.8	88.5	83.6	80.9
97.5°	501.1	411.2	327.8	276.3	245.0	226.1	220.2
100°	765.4	683.9	584.9	514.5	463.6	436.4	437.1
102.5°	885.4	837.9	775.1	720.3	680.0	657.3	641.2
105°	976.0	989.3	971.2	939.1	912.6	890.3	886.8
107.5°	964.6	1025.6	1050.4	1051.1	1042.1	1034.6	1028.1
110°	927.2	1015.0	1063.9	1083.3	1089.0	1087.5	1086.2



TEST NUMBER: P332254-940

CATALOG NUMBER: S123RDIP-S340D805U940-4F0-1E-UDD-A4

**CANDELA DISTRIBUTION (continued):**

	330°	335°	340°	345°	350°	355°	360°
112.5°	878.2	976.6	1039.3	1075.0	1092.3	1097.6	1097.9
115°	799.6	902.1	978.1	1030.4	1061.0	1075.0	1078.5
117.5°	733.3	825.3	902.4	956.9	992.0	1012.1	1016.9
120°	696.4	780.2	850.5	905.6	944.7	961.4	965.5
122.5°	666.9	744.4	809.9	858.7	893.9	912.3	917.6
125°	630.3	697.1	753.0	797.5	828.2	845.6	850.5
127.5°	598.0	658.4	709.2	748.9	775.1	790.9	795.3
130°	577.9	634.5	681.8	718.8	743.9	758.5	764.1
132.5°	559.0	611.5	656.7	691.4	716.6	729.5	733.4
135°	531.9	577.2	617.0	651.1	672.1	684.6	689.5
137.5°	505.9	544.9	579.3	608.1	629.3	639.9	643.1
140°	490.8	524.2	554.2	580.8	600.2	611.4	610.7
142.5°	476.3	505.3	531.4	553.9	571.2	581.3	580.6
145°	457.4	479.7	499.9	517.3	531.9	537.5	538.9
147.5°	443.3	461.3	475.6	488.8	498.7	504.1	504.6
150°	434.4	449.0	462.2	472.7	480.4	484.6	484.6
152.5°	426.0	438.9	450.0	458.2	465.3	467.8	467.8
155°	414.1	424.5	432.9	439.2	444.8	446.2	446.8
157.5°	402.5	410.6	417.1	422.6	426.8	427.9	427.8
160°	395.3	402.3	407.2	412.1	416.2	416.2	415.5
162.5°	387.4	393.9	398.2	401.4	405.0	405.0	404.4
165°	376.5	381.4	384.9	387.6	390.4	389.7	389.7
167.5°	367.9	370.8	373.3	374.5	376.5	375.8	375.8
170°	361.9	364.6	366.0	366.7	368.1	367.4	367.4
172.5°	356.8	359.0	359.9	360.0	361.4	360.2	359.6
175°	350.0	351.3	351.3	351.3	352.0	351.3	350.7
177.5°	346.1	346.6	346.6	346.1	346.6	345.5	345.5
180°	344.4	344.4	344.4	344.4	344.4	344.4	344.4

(END OF REPORT)