

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: P333496-930

Luminaire Tested: **S125RDIP-S375D590U930-4F0-1E-UDD-A**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P333496-930  
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1807-864-7,  
Test Lab: INNOVATION CENTER  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: NEO-RAY  
Catalog Number: S125RDIP-S375D590U930-4F0-1E-UDD-A  
Description: DEFINE 5 DIRECT-INDIRECT PENDANT LED LUMINAIRE  
DOWNLIGHT 375 LUMENS PER FOOT, ASYMMETRIC DIFFUSER, REGRESSED HOUSING  
UPLIGHT 590 LUMENS PER FOOT, NO LENS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 3117.2 lumens  
Efficiency: N/A  
Efficacy: 121.8 lumens/watt  
Spacing Criteria (0/90/45): 1.4 / 1.22 / 1.47  
Luminous Opening: Rectangular (W 4' x L: 0.42' x H: 0')  
CIE Type: Semi-Indirect

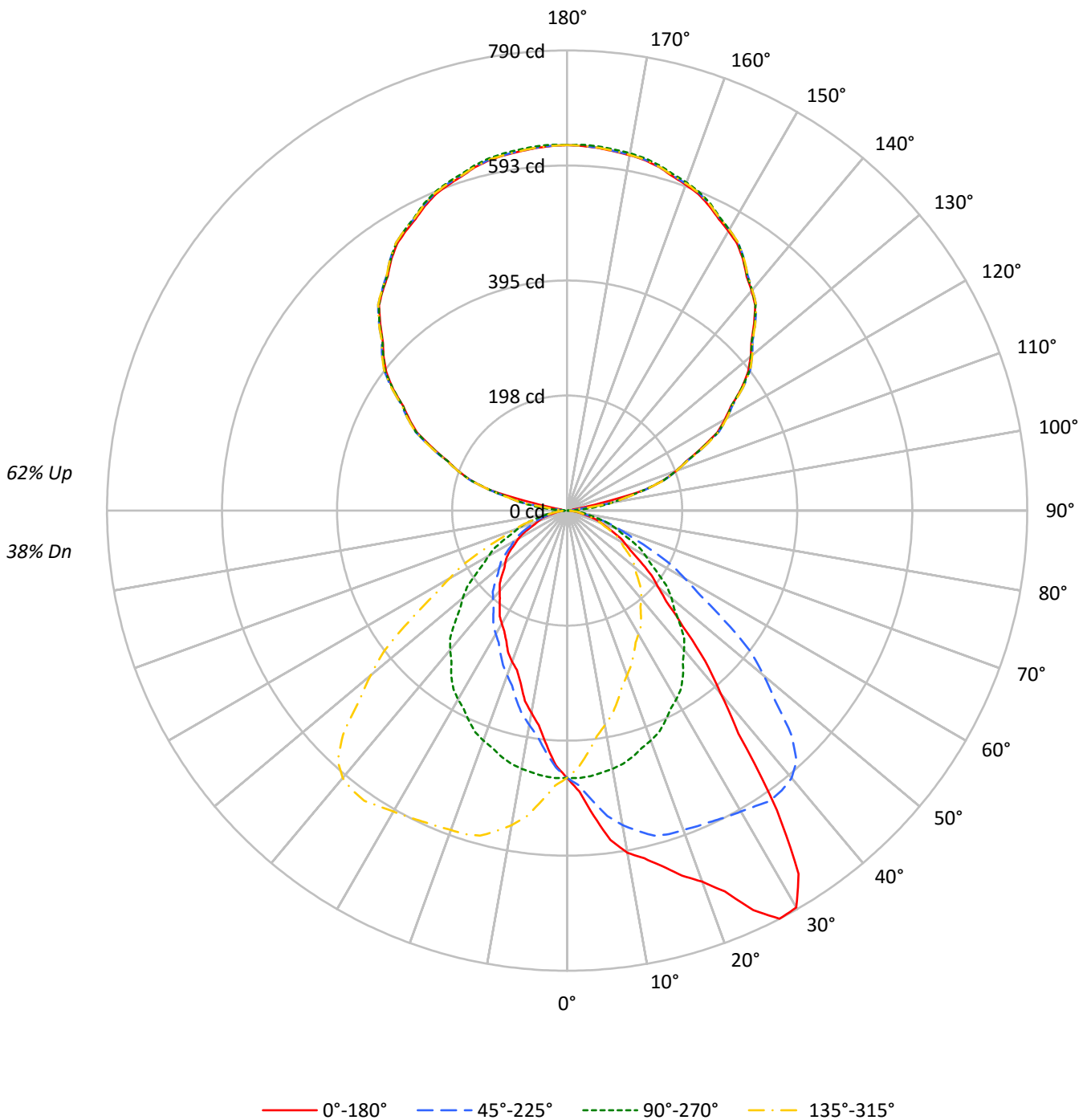
Input Watts (W): 25.6  
Input Voltage (V): 120  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	104	104	104	104	95	95	95	95	77	77	77	60	60	60	45	45	45	38
1	95	91	88	84	87	83	80	77	68	66	64	54	52	51	40	40	39	33
2	87	80	74	69	79	73	68	64	60	56	53	47	45	43	36	34	33	28
3	80	71	64	58	72	64	58	54	53	48	45	42	39	37	32	30	29	24
4	73	63	55	49	66	57	51	46	47	42	38	38	34	31	29	27	25	21
5	67	56	48	42	61	51	44	39	42	37	33	34	30	27	26	24	22	18
6	62	50	42	37	56	46	39	34	38	33	29	31	27	24	24	21	19	16
7	57	45	37	32	52	41	35	30	34	29	25	28	24	21	22	19	17	14
8	53	41	33	28	48	38	31	26	31	26	23	25	22	19	20	17	15	13
9	49	37	30	25	45	34	28	23	29	24	20	23	20	17	18	16	14	12
10	46	34	27	22	42	31	25	21	26	21	18	22	18	15	17	14	13	11

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

	0°	90°	180°	270°
0°	2964	2964	2964	2964
5°	3409	2968	2621	2968
10°	3912	2952	2313	2952
15°	4225	2923	2055	2923
20°	4658	2887	1898	2887
25°	5392	2840	1762	2840
30°	5867	2791	1672	2791
35°	4949	2734	1589	2734
40°	3456	2632	1518	2632
45°	2564	2493	1449	2493
50°	2045	2349	1390	2349
55°	1735	2170	1337	2170
60°	1498	2010	1252	2010
65°	1336	1837	1076	1837
70°	1175	1682	982	1682
75°	1016	1457	921	1457
80°	770	1224	770	1224
85°	637	963	726	963



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	44.0	1.4
10°-20°	129.0	4.1
20°-30°	204.5	6.6
30°-40°	246.6	7.9
40°-50°	220.2	7.1
50°-60°	168.9	5.4
60°-70°	109.7	3.5
70°-80°	53.3	1.7
80°-90°	14.0	0.5
90°-100°	22.8	0.7
100°-110°	140.5	4.5
110°-120°	254.9	8.2
120°-130°	327.1	10.5
130°-140°	351.8	11.3
140°-150°	330.3	10.6
150°-160°	267.1	8.6
160°-170°	172.8	5.5
170°-180°	59.6	1.9
0°-30°	377.5	12.1
0°-40°	624.0	20.0
0°-60°	1013.1	32.5
0°-90°	1190.3	38.2
90°-120°	418.2	13.4
90°-150°	1427.4	45.8
90°-180°	1927.0	61.8
0°-180°	3117.2	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	459	459	459	459	459	
5°	526	458	404	458	526	53
15°	632	437	307	437	632	181
25°	757	399	247	399	757	347
35°	628	347	202	347	628	379
45°	281	273	159	273	281	224
55°	154	193	119	193	154	140
65°	87	120	70	120	87	87
75°	41	58	37	58	41	43
85°	9	13	10	13	9	10
90°	11	0	11	0	11	5
95°	10	26	10	26	10	8
105°	138	137	138	137	138	125
115°	255	257	255	257	255	253
125°	365	365	365	365	365	325
135°	454	455	454	455	454	350
145°	526	528	526	528	526	329
155°	577	582	577	582	577	266
165°	610	614	610	614	610	172
175°	625	628	625	628	625	59
180°	628	628	628	628	628	



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	458.9	458.9	458.9	458.9	458.9	458.9	458.9	458.9	458.9	458.9	458.9
2.5°	482.7	482.4	483.1	481.4	481.5	479.0	479.0	477.0	474.4	472.5	471.6
5°	525.9	526.4	525.6	522.8	520.9	518.0	514.9	509.2	504.5	499.9	496.4
7.5°	570.5	570.8	568.3	567.4	562.6	559.2	552.1	544.4	537.6	528.9	522.3
10°	596.5	596.2	593.6	591.5	587.4	582.1	575.1	566.1	557.7	548.2	539.2
12.5°	611.5	611.0	610.2	607.6	603.8	599.2	593.2	584.3	573.9	563.6	553.0
15°	631.9	630.6	628.1	624.8	619.4	613.9	607.4	599.5	589.5	577.8	568.0
17.5°	657.0	657.0	653.3	648.8	641.4	631.8	621.6	608.9	595.3	582.4	572.0
20°	677.8	677.3	673.5	664.8	656.3	644.2	632.6	616.9	600.4	583.6	570.6
22.5°	707.7	706.2	702.3	690.9	677.8	662.2	644.3	625.3	605.2	586.2	569.1
25°	756.6	755.5	747.7	734.5	716.1	692.1	668.8	642.6	613.8	588.7	568.0
27.5°	790.0	788.8	783.0	772.1	755.0	729.9	698.3	663.2	627.3	592.8	563.0
30°	786.7	789.5	788.8	783.7	770.9	748.3	719.1	679.7	636.9	596.5	560.8
32.5°	739.4	741.9	748.5	758.6	759.3	750.2	728.4	692.0	647.8	601.7	559.1
35°	627.7	631.1	643.9	664.1	690.5	712.5	717.0	697.4	657.6	608.1	556.7
37.5°	482.6	501.1	511.9	533.1	573.0	613.5	652.5	666.8	650.0	605.4	552.7
40°	409.9	414.4	433.7	457.6	491.1	533.3	588.9	629.0	630.3	599.5	546.3
42.5°	350.8	356.6	369.7	388.9	417.6	459.7	517.1	570.1	594.6	582.9	538.0
45°	280.7	285.0	294.6	309.3	331.3	366.2	415.6	476.8	525.4	544.5	515.8
47.5°	230.6	232.9	241.2	252.5	268.8	294.2	332.4	385.6	443.8	484.7	480.7
50°	203.5	206.1	212.5	220.9	234.7	256.2	286.7	331.0	391.1	441.0	451.0
52.5°	182.4	184.6	188.6	196.6	207.9	224.4	249.1	289.1	343.2	396.2	419.4
55°	154.1	155.6	158.8	163.3	172.4	184.3	205.5	233.3	277.0	330.4	364.4
57.5°	130.9	131.6	133.6	137.8	144.1	152.7	168.1	191.5	222.9	271.1	308.5
60°	116.0	116.8	119.4	122.3	127.2	135.1	147.2	163.5	193.6	233.4	271.3
62.5°	104.3	104.8	105.9	108.7	113.0	119.1	128.6	141.9	165.9	200.9	236.6
65°	87.4	87.6	88.0	90.3	92.9	97.4	103.6	113.0	131.1	157.5	189.1
67.5°	71.2	71.5	72.8	73.6	76.3	78.7	82.3	89.5	102.3	120.1	144.7
70°	62.2	62.0	63.3	64.2	65.1	68.0	70.4	76.3	84.2	97.8	118.3
72.5°	53.7	53.2	53.8	54.1	55.4	57.3	59.8	63.3	69.5	78.8	94.5
75°	40.7	40.8	40.8	41.3	42.2	43.0	43.7	45.6	49.0	55.2	63.7
77.5°	28.5	28.3	29.0	29.2	29.8	30.6	31.2	32.0	33.3	35.9	40.3
80°	20.7	20.7	20.9	21.4	21.3	21.7	22.6	23.4	25.0	26.6	28.0
82.5°	15.9	15.7	15.9	16.1	16.0	16.4	16.7	16.9	17.5	18.3	19.3
85°	8.6	8.6	8.9	8.9	9.0	9.0	9.2	9.2	9.2	9.5	9.6
87.5°	5.5	5.3	5.1	5.1	5.1	5.4	5.1	4.9	4.7	4.6	4.6
90°	11.2	10.8	10.5	10.3	9.9	9.5	9.0	8.5	8.0	7.4	6.7
92.5°	10.4	10.3	10.1	9.9	9.9	9.5	9.0	8.5	8.0	7.4	6.8
95°	9.8	9.8	9.8	9.8	9.8	9.5	9.0	8.5	8.0	7.4	11.3
97.5°	9.8	9.8	9.8	9.8	9.8	11.3	14.1	17.0	20.0	22.9	30.7
100°	9.8	10.2	10.6	11.0	11.4	19.3	34.7	50.1	65.6	81.0	80.6
102.5°	58.5	65.6	72.6	79.6	86.7	91.6	94.5	97.4	100.4	103.3	103.1
105°	138.1	138.3	138.4	138.4	138.6	138.6	138.6	138.6	138.6	138.6	138.6
107.5°	174.1	174.5	174.8	175.1	175.4	175.5	175.5	175.5	175.5	175.5	175.3
110°	199.1	199.0	198.9	198.8	198.7	198.8	199.1	199.4	199.7	200.0	199.8



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**CANDELA DISTRIBUTION (continued):**

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	221.4	221.6	221.7	221.8	222.0	222.3	222.7	223.1	223.5	223.8	223.7
115°	254.9	255.5	256.2	256.7	257.4	257.9	258.3	258.7	259.2	259.6	259.4
117.5°	290.7	290.9	291.1	291.5	291.7	292.1	292.6	293.2	293.8	294.2	293.8
120°	312.6	313.1	313.6	314.1	314.6	315.0	315.2	315.4	315.6	315.8	315.5
122.5°	333.5	334.0	334.6	335.3	335.8	336.2	336.5	336.6	336.9	337.0	336.9
125°	365.2	365.5	365.7	366.1	366.4	366.7	367.1	367.6	368.0	368.4	368.4
127.5°	391.8	392.6	393.4	394.1	394.9	395.4	395.7	395.8	396.1	396.3	396.4
130°	411.2	411.7	412.2	412.8	413.3	413.7	414.0	414.3	414.6	414.9	414.8
132.5°	429.1	429.6	430.1	430.6	431.1	431.5	431.5	431.5	431.6	431.7	431.9
135°	453.6	454.1	454.8	455.4	456.0	456.4	456.6	456.8	457.1	457.2	457.5
137.5°	478.1	478.7	479.2	479.7	480.2	480.5	480.5	480.4	480.4	480.3	480.5
140°	492.6	493.3	493.8	494.5	495.0	495.3	495.0	494.9	494.6	494.5	494.6
142.5°	506.4	507.0	507.6	508.3	508.8	509.2	509.1	509.1	509.0	509.0	508.8
145°	526.5	527.2	527.8	528.4	529.0	529.3	529.2	529.1	529.0	528.9	528.9
147.5°	543.2	544.0	544.7	545.4	546.2	546.5	546.4	546.3	546.2	546.0	545.8
150°	554.0	554.8	555.6	556.5	557.3	557.6	557.4	557.2	557.0	556.8	556.6
152.5°	564.0	564.8	565.6	566.3	567.0	567.3	567.1	566.9	566.7	566.5	566.2
155°	577.2	578.1	578.9	579.8	580.6	580.8	580.5	580.2	579.9	579.6	579.4
157.5°	588.3	589.1	590.0	590.8	591.7	591.9	591.6	591.3	590.9	590.6	590.5
160°	595.4	596.2	597.0	597.9	598.7	598.9	598.5	598.1	597.7	597.3	597.1
162.5°	601.7	602.7	603.6	604.5	605.4	605.5	605.0	604.4	603.8	603.2	603.1
165°	610.3	611.1	612.0	612.8	613.6	613.7	613.1	612.5	611.8	611.2	611.1
167.5°	616.2	617.2	618.1	619.1	620.0	620.0	619.3	618.6	617.8	617.1	616.9
170°	619.6	620.5	621.4	622.4	623.3	623.4	622.6	621.7	620.9	620.0	620.0
172.5°	621.8	622.7	623.7	624.6	625.6	625.7	624.9	624.1	623.4	622.6	622.5
175°	624.7	625.7	626.6	627.5	628.4	628.5	627.6	626.8	626.0	625.2	625.1
177.5°	626.4	627.0	627.7	628.4	629.0	629.1	628.5	627.9	627.4	626.7	626.6
180°	627.5	627.5	627.5	627.5	627.5	627.5	627.5	627.5	627.5	627.5	627.5



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**CANDELA DISTRIBUTION (continued):**

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	458.9	458.9	458.9	458.9	458.9	458.9	458.9	458.9	458.9	458.9	458.9
2.5°	471.6	470.5	468.6	466.8	464.5	462.5	461.1	459.5	457.4	454.9	452.7
5°	492.4	488.3	482.8	478.1	472.1	467.4	462.5	457.8	453.1	447.0	441.7
7.5°	515.6	507.0	498.7	488.2	478.7	470.3	462.1	453.9	445.8	437.2	429.0
10°	529.8	519.3	507.9	494.7	482.7	471.2	460.6	450.2	439.3	429.7	419.4
12.5°	543.0	529.6	516.5	499.9	485.3	471.3	457.9	445.0	433.3	420.9	409.7
15°	555.0	541.8	527.1	506.8	486.6	469.6	453.8	437.1	422.6	408.6	396.2
17.5°	559.6	545.8	528.7	509.2	487.1	465.8	445.4	427.1	409.9	393.7	379.8
20°	557.8	544.5	526.9	508.3	484.7	462.5	440.4	420.1	401.0	383.9	369.1
22.5°	553.4	539.6	522.7	503.0	480.6	457.1	433.5	411.8	391.9	374.1	357.9
25°	546.9	528.1	510.7	491.5	470.2	446.9	422.6	398.6	377.3	359.2	341.5
27.5°	540.1	516.6	494.5	475.4	452.9	432.1	408.6	384.1	361.7	343.3	325.1
30°	533.9	507.5	483.2	461.5	440.3	420.4	398.3	374.3	351.3	332.3	313.9
32.5°	526.2	498.1	471.5	446.5	425.9	406.3	386.2	363.3	341.0	321.3	302.6
35°	516.6	480.8	451.8	425.2	402.4	383.4	365.3	346.8	324.4	304.0	285.8
37.5°	503.9	463.3	429.7	400.8	376.7	357.7	343.3	326.4	306.0	286.6	269.6
40°	496.2	450.6	413.9	385.2	360.0	339.8	326.4	312.2	293.5	275.2	258.3
42.5°	486.0	439.0	397.9	368.1	342.7	323.3	309.7	297.3	281.6	264.4	246.2
45°	465.9	416.5	373.4	341.4	315.8	296.7	284.1	273.0	261.1	245.2	229.4
47.5°	439.8	393.1	347.9	312.9	287.9	270.2	258.0	249.2	240.7	227.2	211.9
50°	418.8	373.7	329.7	295.8	269.0	252.3	240.8	233.8	226.1	213.9	201.0
52.5°	394.0	353.8	310.7	276.1	250.8	235.1	224.0	217.0	210.7	200.7	188.5
55°	355.1	319.8	280.3	248.8	225.7	209.9	199.3	192.7	189.0	180.5	170.9
57.5°	310.1	284.9	250.1	219.7	199.2	183.6	175.9	170.2	166.0	160.0	153.2
60°	278.8	261.1	229.8	201.0	182.1	167.3	160.3	155.6	151.6	146.6	141.3
62.5°	247.0	234.2	206.9	182.1	164.9	152.4	145.9	141.6	137.1	133.6	128.5
65°	204.4	192.9	174.1	154.7	138.7	128.7	123.9	120.2	117.4	113.6	110.0
67.5°	159.0	154.3	141.3	127.9	116.4	107.5	103.5	100.9	97.5	95.2	92.8
70°	131.1	128.8	119.6	110.8	100.0	94.0	90.3	89.1	85.0	82.7	81.0
72.5°	106.4	105.3	100.0	93.9	86.3	81.0	77.6	76.3	73.6	71.8	70.8
75°	72.9	73.3	72.3	68.4	65.6	62.2	59.2	58.4	56.5	55.0	54.1
77.5°	46.1	48.0	48.1	47.9	46.8	44.8	43.5	42.9	41.1	40.5	40.3
80°	31.6	33.8	35.6	35.4	35.1	34.5	33.5	32.9	32.0	31.5	31.1
82.5°	21.1	23.0	24.6	25.6	25.5	24.9	24.4	24.1	23.9	23.5	23.4
85°	9.9	10.4	10.9	12.2	13.2	13.4	13.2	13.0	12.5	12.6	12.8
87.5°	4.6	4.5	4.6	4.4	4.1	4.6	4.9	4.9	4.8	4.6	4.5
90°	6.0	5.3	4.6	3.8	2.9	2.1	1.3	0.5	1.3	2.1	2.9
92.5°	6.2	5.5	4.9	4.8	5.5	6.0	6.6	7.2	6.6	6.0	5.5
95°	15.3	19.2	23.2	25.3	25.6	25.9	26.2	26.5	26.2	25.9	25.6
97.5°	38.4	46.2	54.0	57.6	57.0	56.5	55.9	55.4	55.9	56.5	57.0
100°	80.1	79.7	79.2	78.9	78.6	78.3	78.0	77.7	78.0	78.3	78.6
102.5°	102.8	102.5	102.2	101.9	101.6	101.2	100.8	100.4	100.8	101.2	101.6
105°	138.6	138.6	138.6	138.4	138.0	137.6	137.1	136.7	137.1	137.6	138.0
107.5°	175.0	174.8	174.6	174.6	174.6	174.6	174.6	174.6	174.6	174.6	174.6
110°	199.6	199.4	199.2	199.1	199.1	199.1	199.1	199.1	199.1	199.1	199.1





TEST NUMBER: P333496-930

CATALOG NUMBER: S125RDIP-S375D590U930-4F0-1E-UDD-A

**CANDELA DISTRIBUTION (continued):**

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	223.6	223.5	223.3	223.1	222.9	222.7	222.4	222.2	222.4	222.7	222.9
115°	259.3	259.3	259.2	258.9	258.3	257.8	257.3	256.7	257.3	257.8	258.3
117.5°	293.5	293.1	292.7	292.5	292.5	292.5	292.5	292.6	292.5	292.5	292.5
120°	315.2	315.0	314.6	314.5	314.6	314.7	314.8	315.0	314.8	314.7	314.6
122.5°	336.8	336.6	336.5	336.2	335.8	335.4	335.0	334.6	335.0	335.4	335.8
125°	368.4	368.4	368.4	368.0	367.3	366.6	365.9	365.2	365.9	366.6	367.3
127.5°	396.5	396.5	396.6	396.3	395.8	395.3	394.8	394.3	394.8	395.3	395.8
130°	414.7	414.6	414.5	414.2	413.7	413.2	412.6	412.1	412.6	413.2	413.7
132.5°	432.1	432.4	432.6	432.4	431.8	431.2	430.6	430.0	430.6	431.2	431.8
135°	457.6	457.9	458.1	457.9	457.2	456.6	456.0	455.4	456.0	456.6	457.2
137.5°	480.7	480.9	481.1	480.9	480.4	479.8	479.3	478.7	479.3	479.8	480.4
140°	494.6	494.8	494.9	494.8	494.6	494.4	494.2	494.0	494.2	494.4	494.6
142.5°	508.7	508.6	508.4	508.3	508.2	508.0	507.9	507.8	507.9	508.0	508.2
145°	528.9	528.9	528.9	528.8	528.6	528.4	528.2	528.0	528.2	528.4	528.6
147.5°	545.8	545.6	545.5	545.4	545.5	545.5	545.6	545.6	545.6	545.5	545.5
150°	556.4	556.2	556.0	556.0	556.2	556.4	556.6	556.8	556.6	556.4	556.2
152.5°	566.1	565.8	565.7	565.7	566.2	566.7	567.1	567.6	567.1	566.7	566.2
155°	579.2	578.9	578.8	578.9	579.6	580.2	580.8	581.5	580.8	580.2	579.6
157.5°	590.5	590.5	590.5	590.7	591.0	591.4	591.7	592.2	591.7	591.4	591.0
160°	597.0	597.0	596.9	597.1	597.7	598.3	599.0	599.6	599.0	598.3	597.7
162.5°	603.0	602.9	602.8	603.1	603.6	604.3	605.0	605.5	605.0	604.3	603.6
165°	611.0	610.9	610.8	611.1	611.7	612.3	612.9	613.5	612.9	612.3	611.7
167.5°	616.9	616.8	616.7	616.9	617.6	618.2	618.9	619.5	618.9	618.2	617.6
170°	619.9	619.7	619.6	620.0	620.7	621.4	622.2	622.9	622.2	621.4	620.7
172.5°	622.3	622.1	621.9	622.2	622.9	623.6	624.4	625.1	624.4	623.6	622.9
175°	625.0	624.8	624.8	625.0	625.7	626.2	626.9	627.5	626.9	626.2	625.7
177.5°	626.6	626.5	626.4	626.6	627.1	627.6	628.1	628.6	628.1	627.6	627.1
180°	627.5	627.5	627.5	627.5	627.5	627.5	627.5	627.5	627.5	627.5	627.5



TEST NUMBER: P333496-930

CATALOG NUMBER: S125RDIP-S375D590U930-4F0-1E-UDD-A

**CANDELA DISTRIBUTION (continued):**

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	458.9	458.9	458.9	458.9	458.9	458.9	458.9	458.9	458.9	458.9	458.9
2.5°	451.2	449.1	447.6	444.6	442.5	441.6	439.9	439.4	441.2	439.9	439.8
5°	437.8	432.4	428.0	423.7	419.0	416.0	411.4	410.7	409.5	407.9	407.5
7.5°	421.8	414.6	409.0	401.9	395.7	390.6	385.0	382.3	380.8	378.6	375.7
10°	410.9	402.4	394.8	387.7	380.0	373.7	368.1	363.8	360.9	358.3	357.2
12.5°	400.1	391.5	381.9	373.2	364.6	357.7	351.4	348.5	345.4	342.3	339.7
15°	383.5	372.1	361.5	351.6	344.2	336.6	330.6	326.4	321.8	320.4	315.4
17.5°	365.9	354.7	342.3	331.8	323.3	315.0	308.3	303.6	300.1	295.2	292.9
20°	354.9	341.5	329.5	319.8	310.5	300.7	293.9	289.9	286.6	282.6	280.7
22.5°	343.2	330.1	317.7	306.5	296.9	287.2	282.4	278.3	274.5	270.8	268.3
25°	325.9	312.7	299.7	288.0	278.1	271.1	265.5	260.7	258.7	255.1	252.4
27.5°	308.8	294.8	281.4	269.7	261.9	254.9	250.3	246.6	242.9	239.8	237.4
30°	297.8	283.6	268.8	259.6	251.3	244.8	239.6	236.0	233.3	230.4	228.7
32.5°	286.8	272.1	259.0	249.1	241.2	235.5	230.3	226.8	223.9	220.8	218.7
35°	269.2	254.1	243.6	233.8	226.1	220.8	217.2	212.3	209.9	207.6	205.5
37.5°	252.8	238.8	227.4	218.8	212.1	206.8	202.2	199.6	196.6	194.5	192.8
40°	240.8	228.0	217.6	208.6	203.7	197.8	193.5	190.0	187.8	185.2	183.3
42.5°	229.9	218.0	207.9	199.8	193.7	188.7	184.6	181.2	178.3	176.4	174.9
45°	214.6	202.7	192.9	185.4	179.7	175.0	170.6	169.0	165.2	163.0	162.2
47.5°	198.7	188.1	178.6	171.7	165.9	161.4	157.4	153.9	151.8	149.6	148.4
50°	188.0	177.8	169.0	162.2	156.5	151.6	147.9	145.6	142.8	140.7	139.3
52.5°	177.3	167.9	159.1	152.5	147.7	142.8	138.5	136.3	133.6	132.3	131.3
55°	162.0	152.1	144.5	138.1	133.0	128.5	124.5	122.3	120.6	119.3	118.9
57.5°	144.7	136.8	129.8	124.0	118.7	114.5	111.0	108.8	107.4	107.1	106.0
60°	133.4	126.2	119.8	113.6	109.1	105.1	102.1	99.6	98.2	98.0	97.6
62.5°	122.1	115.2	109.3	103.8	99.7	96.0	93.0	90.3	89.4	88.5	87.6
65°	105.3	99.1	94.2	89.8	85.5	82.3	79.5	77.8	75.7	74.6	72.6
67.5°	88.9	84.1	79.3	75.7	72.2	69.2	66.9	64.3	62.9	62.0	60.6
70°	78.0	74.2	69.5	65.6	62.9	60.5	58.6	55.8	54.8	54.1	53.3
72.5°	67.8	64.4	60.5	57.2	54.6	52.3	50.1	48.8	47.9	47.1	46.7
75°	53.3	50.1	46.7	44.4	42.6	40.7	39.5	38.6	38.2	38.1	37.3
77.5°	39.1	37.4	34.7	32.9	31.7	30.9	29.9	29.4	29.4	28.5	28.3
80°	29.9	29.0	26.7	26.0	25.0	24.3	23.7	22.8	21.9	21.4	20.9
82.5°	22.3	21.4	20.4	19.2	18.4	17.9	17.4	17.0	17.2	16.6	16.4
85°	11.9	10.9	10.5	10.4	9.9	10.4	10.2	9.9	9.8	9.6	9.8
87.5°	4.5	4.6	4.6	5.1	4.8	5.1	5.2	5.1	5.3	5.4	5.3
90°	3.8	4.6	5.3	6.0	6.7	7.4	8.0	8.5	9.0	9.5	9.9
92.5°	4.8	4.9	5.5	6.2	6.8	7.4	8.0	8.5	9.0	9.5	9.9
95°	25.3	23.2	19.2	15.3	11.3	7.4	8.0	8.5	9.0	9.5	9.8
97.5°	57.6	54.0	46.2	38.4	30.7	22.9	20.0	17.0	14.1	11.3	9.8
100°	78.9	79.2	79.7	80.1	80.6	81.0	65.6	50.1	34.7	19.3	11.4
102.5°	101.9	102.2	102.5	102.8	103.1	103.3	100.4	97.4	94.5	91.6	86.7
105°	138.4	138.6	138.6	138.6	138.6	138.6	138.6	138.6	138.6	138.6	138.6
107.5°	174.6	174.6	174.8	175.0	175.3	175.5	175.5	175.5	175.5	175.5	175.4
110°	199.1	199.2	199.4	199.6	199.8	200.0	199.7	199.4	199.1	198.8	198.7



TEST NUMBER: P333496-930

CATALOG NUMBER: S125RDIP-S375D590U930-4F0-1E-UDD-A

**CANDELA DISTRIBUTION (continued):**

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	223.1	223.3	223.5	223.6	223.7	223.8	223.5	223.1	222.7	222.3	222.0
115°	258.9	259.2	259.3	259.3	259.4	259.6	259.2	258.7	258.3	257.9	257.4
117.5°	292.5	292.7	293.1	293.5	293.8	294.2	293.8	293.2	292.6	292.1	291.7
120°	314.5	314.6	315.0	315.2	315.5	315.8	315.6	315.4	315.2	315.0	314.6
122.5°	336.2	336.5	336.6	336.8	336.9	337.0	336.9	336.6	336.5	336.2	335.8
125°	368.0	368.4	368.4	368.4	368.4	368.4	368.0	367.6	367.1	366.7	366.4
127.5°	396.3	396.6	396.5	396.5	396.4	396.3	396.1	395.8	395.7	395.4	394.9
130°	414.2	414.5	414.6	414.7	414.8	414.9	414.6	414.3	414.0	413.7	413.3
132.5°	432.4	432.6	432.4	432.1	431.9	431.7	431.6	431.5	431.5	431.5	431.1
135°	457.9	458.1	457.9	457.6	457.5	457.2	457.1	456.8	456.6	456.4	456.0
137.5°	480.9	481.1	480.9	480.7	480.5	480.3	480.4	480.4	480.5	480.5	480.2
140°	494.8	494.9	494.8	494.6	494.6	494.5	494.6	494.9	495.0	495.3	495.0
142.5°	508.3	508.4	508.6	508.7	508.8	509.0	509.0	509.1	509.1	509.2	508.8
145°	528.8	528.9	528.9	528.9	528.9	528.9	529.0	529.1	529.2	529.3	529.0
147.5°	545.4	545.5	545.6	545.8	545.8	546.0	546.2	546.3	546.4	546.5	546.2
150°	556.0	556.0	556.2	556.4	556.6	556.8	557.0	557.2	557.4	557.6	557.3
152.5°	565.7	565.7	565.8	566.1	566.2	566.5	566.7	566.9	567.1	567.3	567.0
155°	578.9	578.8	578.9	579.2	579.4	579.6	579.9	580.2	580.5	580.8	580.6
157.5°	590.7	590.5	590.5	590.5	590.5	590.6	590.9	591.3	591.6	591.9	591.7
160°	597.1	596.9	597.0	597.0	597.1	597.3	597.7	598.1	598.5	598.9	598.7
162.5°	603.1	602.8	602.9	603.0	603.1	603.2	603.8	604.4	605.0	605.5	605.4
165°	611.1	610.8	610.9	611.0	611.1	611.2	611.8	612.5	613.1	613.7	613.6
167.5°	616.9	616.7	616.8	616.9	616.9	617.1	617.8	618.6	619.3	620.0	620.0
170°	620.0	619.6	619.7	619.9	620.0	620.0	620.9	621.7	622.6	623.4	623.3
172.5°	622.2	621.9	622.1	622.3	622.5	622.6	623.4	624.1	624.9	625.7	625.6
175°	625.0	624.8	624.8	625.0	625.1	625.2	626.0	626.8	627.6	628.5	628.4
177.5°	626.6	626.4	626.5	626.6	626.6	626.7	627.4	627.9	628.5	629.1	629.0
180°	627.5	627.5	627.5	627.5	627.5	627.5	627.5	627.5	627.5	627.5	627.5



TEST NUMBER: P333496-930

CATALOG NUMBER: S125RDIP-S375D590U930-4F0-1E-UDD-A

**CANDELA DISTRIBUTION (continued):**

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	458.9	458.9	458.9	458.9	458.9	458.9	458.9	458.9	458.9	458.9	458.9
2.5°	439.6	438.0	437.5	438.1	437.5	438.0	439.6	439.8	439.9	441.2	439.4
5°	405.6	403.7	404.6	404.3	404.6	403.7	405.6	407.5	407.9	409.5	410.7
7.5°	375.7	373.3	370.9	371.6	370.9	373.3	375.7	375.7	378.6	380.8	382.3
10°	354.7	352.9	351.7	352.7	351.7	352.9	354.7	357.2	358.3	360.9	363.8
12.5°	337.1	336.0	335.0	334.6	335.0	336.0	337.1	339.7	342.3	345.4	348.5
15°	313.1	310.9	309.9	307.4	309.9	310.9	313.1	315.4	320.4	321.8	326.4
17.5°	291.0	290.2	287.8	286.7	287.8	290.2	291.0	292.9	295.2	300.1	303.6
20°	277.9	277.1	274.7	276.1	274.7	277.1	277.9	280.7	282.6	286.6	289.9
22.5°	267.0	265.4	264.6	264.2	264.6	265.4	267.0	268.3	270.8	274.5	278.3
25°	251.7	249.2	248.3	247.2	248.3	249.2	251.7	252.4	255.1	258.7	260.7
27.5°	236.4	235.1	233.8	233.5	233.8	235.1	236.4	237.4	239.8	242.9	246.6
30°	226.4	225.1	224.2	224.2	224.2	225.1	226.4	228.7	230.4	233.3	236.0
32.5°	217.5	216.5	215.6	215.4	215.6	216.5	217.5	218.7	220.8	223.9	226.8
35°	204.6	203.1	202.7	201.5	202.7	203.1	204.6	205.5	207.6	209.9	212.3
37.5°	191.1	189.9	189.9	189.7	189.9	189.9	191.1	192.8	194.5	196.6	199.6
40°	182.5	181.6	181.4	180.1	181.4	181.6	182.5	183.3	185.2	187.8	190.0
42.5°	173.3	172.8	172.2	171.6	172.2	172.8	173.3	174.9	176.4	178.3	181.2
45°	160.9	159.6	159.6	158.7	159.6	159.6	160.9	162.2	163.0	165.2	169.0
47.5°	148.0	147.0	147.1	146.1	147.1	147.0	148.0	148.4	149.6	151.8	153.9
50°	139.4	138.8	138.7	138.3	138.7	138.8	139.4	139.3	140.7	142.8	145.6
52.5°	130.9	130.5	131.3	130.4	131.3	130.5	130.9	131.3	132.3	133.6	136.3
55°	119.3	118.7	119.8	118.7	119.8	118.7	119.3	118.9	119.3	120.6	122.3
57.5°	106.0	105.4	106.5	105.9	106.5	105.4	106.0	106.0	107.1	107.4	108.8
60°	97.2	96.0	96.6	96.9	96.6	96.0	97.2	97.6	98.0	98.2	99.6
62.5°	86.8	86.1	86.6	85.7	86.6	86.1	86.8	87.6	88.5	89.4	90.3
65°	72.2	71.6	70.8	70.4	70.8	71.6	72.2	72.6	74.6	75.7	77.8
67.5°	60.7	59.3	59.2	59.5	59.2	59.3	60.7	60.6	62.0	62.9	64.3
70°	52.2	52.2	52.0	52.0	52.0	52.2	52.2	53.3	54.1	54.8	55.8
72.5°	46.3	46.1	45.8	45.7	45.8	46.1	46.3	46.7	47.1	47.9	48.8
75°	37.3	37.5	37.1	36.9	37.1	37.5	37.3	37.3	38.1	38.2	38.6
77.5°	27.6	26.7	27.1	26.7	27.1	26.7	27.6	28.3	28.5	29.4	29.4
80°	20.9	20.7	21.3	20.7	21.3	20.7	20.9	20.9	21.4	21.9	22.8
82.5°	16.6	16.4	16.6	16.2	16.6	16.4	16.6	16.4	16.6	17.2	17.0
85°	9.9	9.8	9.6	9.8	9.6	9.8	9.9	9.8	9.6	9.8	9.9
87.5°	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.3	5.4	5.3	5.1
90°	10.3	10.5	10.8	11.2	10.8	10.5	10.3	9.9	9.5	9.0	8.5
92.5°	9.9	10.1	10.3	10.4	10.3	10.1	9.9	9.9	9.5	9.0	8.5
95°	9.8	9.8	9.8	9.8	9.8	9.8	9.8	9.8	9.5	9.0	8.5
97.5°	9.8	9.8	9.8	9.8	9.8	9.8	9.8	9.8	11.3	14.1	17.0
100°	11.0	10.6	10.2	9.8	10.2	10.6	11.0	11.4	19.3	34.7	50.1
102.5°	79.6	72.6	65.6	58.5	65.6	72.6	79.6	86.7	91.6	94.5	97.4
105°	138.4	138.4	138.3	138.1	138.3	138.4	138.4	138.6	138.6	138.6	138.6
107.5°	175.1	174.8	174.5	174.1	174.5	174.8	175.1	175.4	175.5	175.5	175.5
110°	198.8	198.9	199.0	199.1	199.0	198.9	198.8	198.7	198.8	199.1	199.4



TEST NUMBER: P333496-930

CATALOG NUMBER: S125RDIP-S375D590U930-4F0-1E-UDD-A

**CANDELA DISTRIBUTION (continued):**

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	221.8	221.7	221.6	221.4	221.6	221.7	221.8	222.0	222.3	222.7	223.1
115°	256.7	256.2	255.5	254.9	255.5	256.2	256.7	257.4	257.9	258.3	258.7
117.5°	291.5	291.1	290.9	290.7	290.9	291.1	291.5	291.7	292.1	292.6	293.2
120°	314.1	313.6	313.1	312.6	313.1	313.6	314.1	314.6	315.0	315.2	315.4
122.5°	335.3	334.6	334.0	333.5	334.0	334.6	335.3	335.8	336.2	336.5	336.6
125°	366.1	365.7	365.5	365.2	365.5	365.7	366.1	366.4	366.7	367.1	367.6
127.5°	394.1	393.4	392.6	391.8	392.6	393.4	394.1	394.9	395.4	395.7	395.8
130°	412.8	412.2	411.7	411.2	411.7	412.2	412.8	413.3	413.7	414.0	414.3
132.5°	430.6	430.1	429.6	429.1	429.6	430.1	430.6	431.1	431.5	431.5	431.5
135°	455.4	454.8	454.1	453.6	454.1	454.8	455.4	456.0	456.4	456.6	456.8
137.5°	479.7	479.2	478.7	478.1	478.7	479.2	479.7	480.2	480.5	480.5	480.4
140°	494.5	493.8	493.3	492.6	493.3	493.8	494.5	495.0	495.3	495.0	494.9
142.5°	508.3	507.6	507.0	506.4	507.0	507.6	508.3	508.8	509.2	509.1	509.1
145°	528.4	527.8	527.2	526.5	527.2	527.8	528.4	529.0	529.3	529.2	529.1
147.5°	545.4	544.7	544.0	543.2	544.0	544.7	545.4	546.2	546.5	546.4	546.3
150°	556.5	555.6	554.8	554.0	554.8	555.6	556.5	557.3	557.6	557.4	557.2
152.5°	566.3	565.6	564.8	564.0	564.8	565.6	566.3	567.0	567.3	567.1	566.9
155°	579.8	578.9	578.1	577.2	578.1	578.9	579.8	580.6	580.8	580.5	580.2
157.5°	590.8	590.0	589.1	588.3	589.1	590.0	590.8	591.7	591.9	591.6	591.3
160°	597.9	597.0	596.2	595.4	596.2	597.0	597.9	598.7	598.9	598.5	598.1
162.5°	604.5	603.6	602.7	601.7	602.7	603.6	604.5	605.4	605.5	605.0	604.4
165°	612.8	612.0	611.1	610.3	611.1	612.0	612.8	613.6	613.7	613.1	612.5
167.5°	619.1	618.1	617.2	616.2	617.2	618.1	619.1	620.0	620.0	619.3	618.6
170°	622.4	621.4	620.5	619.6	620.5	621.4	622.4	623.3	623.4	622.6	621.7
172.5°	624.6	623.7	622.7	621.8	622.7	623.7	624.6	625.6	625.7	624.9	624.1
175°	627.5	626.6	625.7	624.7	625.7	626.6	627.5	628.4	628.5	627.6	626.8
177.5°	628.4	627.7	627.0	626.4	627.0	627.7	628.4	629.0	629.1	628.5	627.9
180°	627.5	627.5	627.5	627.5	627.5	627.5	627.5	627.5	627.5	627.5	627.5



TEST NUMBER: P333496-930

CATALOG NUMBER: S125RDIP-S375D590U930-4F0-1E-UDD-A

**CANDELA DISTRIBUTION (continued):**

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	458.9	458.9	458.9	458.9	458.9	458.9	458.9	458.9	458.9	458.9	458.9
2.5°	439.9	441.6	442.5	444.6	447.6	449.1	451.2	452.7	454.9	457.4	459.5
5°	411.4	416.0	419.0	423.7	428.0	432.4	437.8	441.7	447.0	453.1	457.8
7.5°	385.0	390.6	395.7	401.9	409.0	414.6	421.8	429.0	437.2	445.8	453.9
10°	368.1	373.7	380.0	387.7	394.8	402.4	410.9	419.4	429.7	439.3	450.2
12.5°	351.4	357.7	364.6	373.2	381.9	391.5	400.1	409.7	420.9	433.3	445.0
15°	330.6	336.6	344.2	351.6	361.5	372.1	383.5	396.2	408.6	422.6	437.1
17.5°	308.3	315.0	323.3	331.8	342.3	354.7	365.9	379.8	393.7	409.9	427.1
20°	293.9	300.7	310.5	319.8	329.5	341.5	354.9	369.1	383.9	401.0	420.1
22.5°	282.4	287.2	296.9	306.5	317.7	330.1	343.2	357.9	374.1	391.9	411.8
25°	265.5	271.1	278.1	288.0	299.7	312.7	325.9	341.5	359.2	377.3	398.6
27.5°	250.3	254.9	261.9	269.7	281.4	294.8	308.8	325.1	343.3	361.7	384.1
30°	239.6	244.8	251.3	259.6	268.8	283.6	297.8	313.9	332.3	351.3	374.3
32.5°	230.3	235.5	241.2	249.1	259.0	272.1	286.8	302.6	321.3	341.0	363.3
35°	217.2	220.8	226.1	233.8	243.6	254.1	269.2	285.8	304.0	324.4	346.8
37.5°	202.2	206.8	212.1	218.8	227.4	238.8	252.8	269.6	286.6	306.0	326.4
40°	193.5	197.8	203.7	208.6	217.6	228.0	240.8	258.3	275.2	293.5	312.2
42.5°	184.6	188.7	193.7	199.8	207.9	218.0	229.9	246.2	264.4	281.6	297.3
45°	170.6	175.0	179.7	185.4	192.9	202.7	214.6	229.4	245.2	261.1	273.0
47.5°	157.4	161.4	165.9	171.7	178.6	188.1	198.7	211.9	227.2	240.7	249.2
50°	147.9	151.6	156.5	162.2	169.0	177.8	188.0	201.0	213.9	226.1	233.8
52.5°	138.5	142.8	147.7	152.5	159.1	167.9	177.3	188.5	200.7	210.7	217.0
55°	124.5	128.5	133.0	138.1	144.5	152.1	162.0	170.9	180.5	189.0	192.7
57.5°	111.0	114.5	118.7	124.0	129.8	136.8	144.7	153.2	160.0	166.0	170.2
60°	102.1	105.1	109.1	113.6	119.8	126.2	133.4	141.3	146.6	151.6	155.6
62.5°	93.0	96.0	99.7	103.8	109.3	115.2	122.1	128.5	133.6	137.1	141.6
65°	79.5	82.3	85.5	89.8	94.2	99.1	105.3	110.0	113.6	117.4	120.2
67.5°	66.9	69.2	72.2	75.7	79.3	84.1	88.9	92.8	95.2	97.5	100.9
70°	58.6	60.5	62.9	65.6	69.5	74.2	78.0	81.0	82.7	85.0	89.1
72.5°	50.1	52.3	54.6	57.2	60.5	64.4	67.8	70.8	71.8	73.6	76.3
75°	39.5	40.7	42.6	44.4	46.7	50.1	53.3	54.1	55.0	56.5	58.4
77.5°	29.9	30.9	31.7	32.9	34.7	37.4	39.1	40.3	40.5	41.1	42.9
80°	23.7	24.3	25.0	26.0	26.7	29.0	29.9	31.1	31.5	32.0	32.9
82.5°	17.4	17.9	18.4	19.2	20.4	21.4	22.3	23.4	23.5	23.9	24.1
85°	10.2	10.4	9.9	10.4	10.5	10.9	11.9	12.8	12.6	12.5	13.0
87.5°	5.2	5.1	4.8	5.1	4.6	4.6	4.5	4.5	4.6	4.8	4.9
90°	8.0	7.4	6.7	6.0	5.3	4.6	3.8	2.9	2.1	1.3	0.5
92.5°	8.0	7.4	6.8	6.2	5.5	4.9	4.8	5.5	6.0	6.6	7.2
95°	8.0	7.4	11.3	15.3	19.2	23.2	25.3	25.6	25.9	26.2	26.5
97.5°	20.0	22.9	30.7	38.4	46.2	54.0	57.6	57.0	56.5	55.9	55.4
100°	65.6	81.0	80.6	80.1	79.7	79.2	78.9	78.6	78.3	78.0	77.7
102.5°	100.4	103.3	103.1	102.8	102.5	102.2	101.9	101.6	101.2	100.8	100.4
105°	138.6	138.6	138.6	138.6	138.6	138.6	138.4	138.0	137.6	137.1	136.7
107.5°	175.5	175.5	175.3	175.0	174.8	174.6	174.6	174.6	174.6	174.6	174.6
110°	199.7	200.0	199.8	199.6	199.4	199.2	199.1	199.1	199.1	199.1	199.1



TEST NUMBER: P333496-930

CATALOG NUMBER: S125RDIP-S375D590U930-4F0-1E-UDD-A

**CANDELA DISTRIBUTION (continued):**

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	223.5	223.8	223.7	223.6	223.5	223.3	223.1	222.9	222.7	222.4	222.2
115°	259.2	259.6	259.4	259.3	259.3	259.2	258.9	258.3	257.8	257.3	256.7
117.5°	293.8	294.2	293.8	293.5	293.1	292.7	292.5	292.5	292.5	292.5	292.6
120°	315.6	315.8	315.5	315.2	315.0	314.6	314.5	314.6	314.7	314.8	315.0
122.5°	336.9	337.0	336.9	336.8	336.6	336.5	336.2	335.8	335.4	335.0	334.6
125°	368.0	368.4	368.4	368.4	368.4	368.4	368.0	367.3	366.6	365.9	365.2
127.5°	396.1	396.3	396.4	396.5	396.5	396.6	396.3	395.8	395.3	394.8	394.3
130°	414.6	414.9	414.8	414.7	414.6	414.5	414.2	413.7	413.2	412.6	412.1
132.5°	431.6	431.7	431.9	432.1	432.4	432.6	432.4	431.8	431.2	430.6	430.0
135°	457.1	457.2	457.5	457.6	457.9	458.1	457.9	457.2	456.6	456.0	455.4
137.5°	480.4	480.3	480.5	480.7	480.9	481.1	480.9	480.4	479.8	479.3	478.7
140°	494.6	494.5	494.6	494.6	494.8	494.9	494.8	494.6	494.4	494.2	494.0
142.5°	509.0	509.0	508.8	508.7	508.6	508.4	508.3	508.2	508.0	507.9	507.8
145°	529.0	528.9	528.9	528.9	528.9	528.9	528.8	528.6	528.4	528.2	528.0
147.5°	546.2	546.0	545.8	545.8	545.6	545.5	545.4	545.5	545.5	545.6	545.6
150°	557.0	556.8	556.6	556.4	556.2	556.0	556.0	556.2	556.4	556.6	556.8
152.5°	566.7	566.5	566.2	566.1	565.8	565.7	565.7	566.2	566.7	567.1	567.6
155°	579.9	579.6	579.4	579.2	578.9	578.8	578.9	579.6	580.2	580.8	581.5
157.5°	590.9	590.6	590.5	590.5	590.5	590.5	590.7	591.0	591.4	591.7	592.2
160°	597.7	597.3	597.1	597.0	597.0	596.9	597.1	597.7	598.3	599.0	599.6
162.5°	603.8	603.2	603.1	603.0	602.9	602.8	603.1	603.6	604.3	605.0	605.5
165°	611.8	611.2	611.1	611.0	610.9	610.8	611.1	611.7	612.3	612.9	613.5
167.5°	617.8	617.1	616.9	616.9	616.8	616.7	616.9	617.6	618.2	618.9	619.5
170°	620.9	620.0	620.0	619.9	619.7	619.6	620.0	620.7	621.4	622.2	622.9
172.5°	623.4	622.6	622.5	622.3	622.1	621.9	622.2	622.9	623.6	624.4	625.1
175°	626.0	625.2	625.1	625.0	624.8	624.8	625.0	625.7	626.2	626.9	627.5
177.5°	627.4	626.7	626.6	626.6	626.5	626.4	626.6	627.1	627.6	628.1	628.6
180°	627.5	627.5	627.5	627.5	627.5	627.5	627.5	627.5	627.5	627.5	627.5



TEST NUMBER: P333496-930

CATALOG NUMBER: S125RDIP-S375D590U930-4F0-1E-UDD-A

**CANDELA DISTRIBUTION (continued):**

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	458.9	458.9	458.9	458.9	458.9	458.9	458.9	458.9	458.9	458.9	458.9
2.5°	461.1	462.5	464.5	466.8	468.6	470.5	471.6	471.6	472.5	474.4	477.0
5°	462.5	467.4	472.1	478.1	482.8	488.3	492.4	496.4	499.9	504.5	509.2
7.5°	462.1	470.3	478.7	488.2	498.7	507.0	515.6	522.3	528.9	537.6	544.4
10°	460.6	471.2	482.7	494.7	507.9	519.3	529.8	539.2	548.2	557.7	566.1
12.5°	457.9	471.3	485.3	499.9	516.5	529.6	543.0	553.0	563.6	573.9	584.3
15°	453.8	469.6	486.6	506.8	527.1	541.8	555.0	568.0	577.8	589.5	599.5
17.5°	445.4	465.8	487.1	509.2	528.7	545.8	559.6	572.0	582.4	595.3	608.9
20°	440.4	462.5	484.7	508.3	526.9	544.5	557.8	570.6	583.6	600.4	616.9
22.5°	433.5	457.1	480.6	503.0	522.7	539.6	553.4	569.1	586.2	605.2	625.3
25°	422.6	446.9	470.2	491.5	510.7	528.1	546.9	568.0	588.7	613.8	642.6
27.5°	408.6	432.1	452.9	475.4	494.5	516.6	540.1	563.0	592.8	627.3	663.2
30°	398.3	420.4	440.3	461.5	483.2	507.5	533.9	560.8	596.5	636.9	679.7
32.5°	386.2	406.3	425.9	446.5	471.5	498.1	526.2	559.1	601.7	647.8	692.0
35°	365.3	383.4	402.4	425.2	451.8	480.8	516.6	556.7	608.1	657.6	697.4
37.5°	343.3	357.7	376.7	400.8	429.7	463.3	503.9	552.7	605.4	650.0	666.8
40°	326.4	339.8	360.0	385.2	413.9	450.6	496.2	546.3	599.5	630.3	629.0
42.5°	309.7	323.3	342.7	368.1	397.9	439.0	486.0	538.0	582.9	594.6	570.1
45°	284.1	296.7	315.8	341.4	373.4	416.5	465.9	515.8	544.5	525.4	476.8
47.5°	258.0	270.2	287.9	312.9	347.9	393.1	439.8	480.7	484.7	443.8	385.6
50°	240.8	252.3	269.0	295.8	329.7	373.7	418.8	451.0	441.0	391.1	331.0
52.5°	224.0	235.1	250.8	276.1	310.7	353.8	394.0	419.4	396.2	343.2	289.1
55°	199.3	209.9	225.7	248.8	280.3	319.8	355.1	364.4	330.4	277.0	233.3
57.5°	175.9	183.6	199.2	219.7	250.1	284.9	310.1	308.5	271.1	222.9	191.5
60°	160.3	167.3	182.1	201.0	229.8	261.1	278.8	271.3	233.4	193.6	163.5
62.5°	145.9	152.4	164.9	182.1	206.9	234.2	247.0	236.6	200.9	165.9	141.9
65°	123.9	128.7	138.7	154.7	174.1	192.9	204.4	189.1	157.5	131.1	113.0
67.5°	103.5	107.5	116.4	127.9	141.3	154.3	159.0	144.7	120.1	102.3	89.5
70°	90.3	94.0	100.0	110.8	119.6	128.8	131.1	118.3	97.8	84.2	76.3
72.5°	77.6	81.0	86.3	93.9	100.0	105.3	106.4	94.5	78.8	69.5	63.3
75°	59.2	62.2	65.6	68.4	72.3	73.3	72.9	63.7	55.2	49.0	45.6
77.5°	43.5	44.8	46.8	47.9	48.1	48.0	46.1	40.3	35.9	33.3	32.0
80°	33.5	34.5	35.1	35.4	35.6	33.8	31.6	28.0	26.6	25.0	23.4
82.5°	24.4	24.9	25.5	25.6	24.6	23.0	21.1	19.3	18.3	17.5	16.9
85°	13.2	13.4	13.2	12.2	10.9	10.4	9.9	9.6	9.5	9.2	9.2
87.5°	4.9	4.6	4.1	4.4	4.6	4.5	4.6	4.6	4.6	4.7	4.9
90°	1.3	2.1	2.9	3.8	4.6	5.3	6.0	6.7	7.4	8.0	8.5
92.5°	6.6	6.0	5.5	4.8	4.9	5.5	6.2	6.8	7.4	8.0	8.5
95°	26.2	25.9	25.6	25.3	23.2	19.2	15.3	11.3	7.4	8.0	8.5
97.5°	55.9	56.5	57.0	57.6	54.0	46.2	38.4	30.7	22.9	20.0	17.0
100°	78.0	78.3	78.6	78.9	79.2	79.7	80.1	80.6	81.0	65.6	50.1
102.5°	100.8	101.2	101.6	101.9	102.2	102.5	102.8	103.1	103.3	100.4	97.4
105°	137.1	137.6	138.0	138.4	138.6	138.6	138.6	138.6	138.6	138.6	138.6
107.5°	174.6	174.6	174.6	174.6	174.6	174.8	175.0	175.3	175.5	175.5	175.5
110°	199.1	199.1	199.1	199.1	199.2	199.4	199.6	199.8	200.0	199.7	199.4





TEST NUMBER: P333496-930

CATALOG NUMBER: S125RDIP-S375D590U930-4F0-1E-UDD-A

**CANDELA DISTRIBUTION (continued):**

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	222.4	222.7	222.9	223.1	223.3	223.5	223.6	223.7	223.8	223.5	223.1
115°	257.3	257.8	258.3	258.9	259.2	259.3	259.3	259.4	259.6	259.2	258.7
117.5°	292.5	292.5	292.5	292.5	292.7	293.1	293.5	293.8	294.2	293.8	293.2
120°	314.8	314.7	314.6	314.5	314.6	315.0	315.2	315.5	315.8	315.6	315.4
122.5°	335.0	335.4	335.8	336.2	336.5	336.6	336.8	336.9	337.0	336.9	336.6
125°	365.9	366.6	367.3	368.0	368.4	368.4	368.4	368.4	368.4	368.0	367.6
127.5°	394.8	395.3	395.8	396.3	396.6	396.5	396.5	396.4	396.3	396.1	395.8
130°	412.6	413.2	413.7	414.2	414.5	414.6	414.7	414.8	414.9	414.6	414.3
132.5°	430.6	431.2	431.8	432.4	432.6	432.4	432.1	431.9	431.7	431.6	431.5
135°	456.0	456.6	457.2	457.9	458.1	457.9	457.6	457.5	457.2	457.1	456.8
137.5°	479.3	479.8	480.4	480.9	481.1	480.9	480.7	480.5	480.3	480.4	480.4
140°	494.2	494.4	494.6	494.8	494.9	494.8	494.6	494.6	494.5	494.6	494.9
142.5°	507.9	508.0	508.2	508.3	508.4	508.6	508.7	508.8	509.0	509.0	509.1
145°	528.2	528.4	528.6	528.8	528.9	528.9	528.9	528.9	528.9	529.0	529.1
147.5°	545.6	545.5	545.5	545.4	545.5	545.6	545.8	545.8	546.0	546.2	546.3
150°	556.6	556.4	556.2	556.0	556.0	556.2	556.4	556.6	556.8	557.0	557.2
152.5°	567.1	566.7	566.2	565.7	565.7	565.8	566.1	566.2	566.5	566.7	566.9
155°	580.8	580.2	579.6	578.9	578.8	578.9	579.2	579.4	579.6	579.9	580.2
157.5°	591.7	591.4	591.0	590.7	590.5	590.5	590.5	590.5	590.6	590.9	591.3
160°	599.0	598.3	597.7	597.1	596.9	597.0	597.0	597.1	597.3	597.7	598.1
162.5°	605.0	604.3	603.6	603.1	602.8	602.9	603.0	603.1	603.2	603.8	604.4
165°	612.9	612.3	611.7	611.1	610.8	610.9	611.0	611.1	611.2	611.8	612.5
167.5°	618.9	618.2	617.6	616.9	616.7	616.8	616.9	616.9	617.1	617.8	618.6
170°	622.2	621.4	620.7	620.0	619.6	619.7	619.9	620.0	620.0	620.9	621.7
172.5°	624.4	623.6	622.9	622.2	621.9	622.1	622.3	622.5	622.6	623.4	624.1
175°	626.9	626.2	625.7	625.0	624.8	624.8	625.0	625.1	625.2	626.0	626.8
177.5°	628.1	627.6	627.1	626.6	626.4	626.5	626.6	626.6	626.7	627.4	627.9
180°	627.5	627.5	627.5	627.5	627.5	627.5	627.5	627.5	627.5	627.5	627.5



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**CANDELA DISTRIBUTION (continued):**

	330°	335°	340°	345°	350°	355°	360°
0°	458.9	458.9	458.9	458.9	458.9	458.9	458.9
2.5°	479.0	479.0	481.5	481.4	483.1	482.4	482.7
5°	514.9	518.0	520.9	522.8	525.6	526.4	525.9
7.5°	552.1	559.2	562.6	567.4	568.3	570.8	570.5
10°	575.1	582.1	587.4	591.5	593.6	596.2	596.5
12.5°	593.2	599.2	603.8	607.6	610.2	611.0	611.5
15°	607.4	613.9	619.4	624.8	628.1	630.6	631.9
17.5°	621.6	631.8	641.4	648.8	653.3	657.0	657.0
20°	632.6	644.2	656.3	664.8	673.5	677.3	677.8
22.5°	644.3	662.2	677.8	690.9	702.3	706.2	707.7
25°	668.8	692.1	716.1	734.5	747.7	755.5	756.6
27.5°	698.3	729.9	755.0	772.1	783.0	788.8	790.0
30°	719.1	748.3	770.9	783.7	788.8	789.5	786.7
32.5°	728.4	750.2	759.3	758.6	748.5	741.9	739.4
35°	717.0	712.5	690.5	664.1	643.9	631.1	627.7
37.5°	652.5	613.5	573.0	533.1	511.9	501.1	482.6
40°	588.9	533.3	491.1	457.6	433.7	414.4	409.9
42.5°	517.1	459.7	417.6	388.9	369.7	356.6	350.8
45°	415.6	366.2	331.3	309.3	294.6	285.0	280.7
47.5°	332.4	294.2	268.8	252.5	241.2	232.9	230.6
50°	286.7	256.2	234.7	220.9	212.5	206.1	203.5
52.5°	249.1	224.4	207.9	196.6	188.6	184.6	182.4
55°	205.5	184.3	172.4	163.3	158.8	155.6	154.1
57.5°	168.1	152.7	144.1	137.8	133.6	131.6	130.9
60°	147.2	135.1	127.2	122.3	119.4	116.8	116.0
62.5°	128.6	119.1	113.0	108.7	105.9	104.8	104.3
65°	103.6	97.4	92.9	90.3	88.0	87.6	87.4
67.5°	82.3	78.7	76.3	73.6	72.8	71.5	71.2
70°	70.4	68.0	65.1	64.2	63.3	62.0	62.2
72.5°	59.8	57.3	55.4	54.1	53.8	53.2	53.7
75°	43.7	43.0	42.2	41.3	40.8	40.8	40.7
77.5°	31.2	30.6	29.8	29.2	29.0	28.3	28.5
80°	22.6	21.7	21.3	21.4	20.9	20.7	20.7
82.5°	16.7	16.4	16.0	16.1	15.9	15.7	15.9
85°	9.2	9.0	9.0	8.9	8.9	8.6	8.6
87.5°	5.1	5.4	5.1	5.1	5.1	5.3	5.5
90°	9.0	9.5	9.9	10.3	10.5	10.8	11.2
92.5°	9.0	9.5	9.9	9.9	10.1	10.3	10.4
95°	9.0	9.5	9.8	9.8	9.8	9.8	9.8
97.5°	14.1	11.3	9.8	9.8	9.8	9.8	9.8
100°	34.7	19.3	11.4	11.0	10.6	10.2	9.8
102.5°	94.5	91.6	86.7	79.6	72.6	65.6	58.5
105°	138.6	138.6	138.6	138.4	138.4	138.3	138.1
107.5°	175.5	175.5	175.4	175.1	174.8	174.5	174.1
110°	199.1	198.8	198.7	198.8	198.9	199.0	199.1



TEST NUMBER: P333496-930

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**CANDELA DISTRIBUTION (continued):**

	330°	335°	340°	345°	350°	355°	360°
112.5°	222.7	222.3	222.0	221.8	221.7	221.6	221.4
115°	258.3	257.9	257.4	256.7	256.2	255.5	254.9
117.5°	292.6	292.1	291.7	291.5	291.1	290.9	290.7
120°	315.2	315.0	314.6	314.1	313.6	313.1	312.6
122.5°	336.5	336.2	335.8	335.3	334.6	334.0	333.5
125°	367.1	366.7	366.4	366.1	365.7	365.5	365.2
127.5°	395.7	395.4	394.9	394.1	393.4	392.6	391.8
130°	414.0	413.7	413.3	412.8	412.2	411.7	411.2
132.5°	431.5	431.5	431.1	430.6	430.1	429.6	429.1
135°	456.6	456.4	456.0	455.4	454.8	454.1	453.6
137.5°	480.5	480.5	480.2	479.7	479.2	478.7	478.1
140°	495.0	495.3	495.0	494.5	493.8	493.3	492.6
142.5°	509.1	509.2	508.8	508.3	507.6	507.0	506.4
145°	529.2	529.3	529.0	528.4	527.8	527.2	526.5
147.5°	546.4	546.5	546.2	545.4	544.7	544.0	543.2
150°	557.4	557.6	557.3	556.5	555.6	554.8	554.0
152.5°	567.1	567.3	567.0	566.3	565.6	564.8	564.0
155°	580.5	580.8	580.6	579.8	578.9	578.1	577.2
157.5°	591.6	591.9	591.7	590.8	590.0	589.1	588.3
160°	598.5	598.9	598.7	597.9	597.0	596.2	595.4
162.5°	605.0	605.5	605.4	604.5	603.6	602.7	601.7
165°	613.1	613.7	613.6	612.8	612.0	611.1	610.3
167.5°	619.3	620.0	620.0	619.1	618.1	617.2	616.2
170°	622.6	623.4	623.3	622.4	621.4	620.5	619.6
172.5°	624.9	625.7	625.6	624.6	623.7	622.7	621.8
175°	627.6	628.5	628.4	627.5	626.6	625.7	624.7
177.5°	628.5	629.1	629.0	628.4	627.7	627.0	626.4
180°	627.5	627.5	627.5	627.5	627.5	627.5	627.5

(END OF REPORT)