

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: P333496-927

Luminaire Tested: **S125RDIP-S375D590U927-4F0-1E-UDD-A**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P333496-927  
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-S375D590U927-4F0-1E-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: 3028.9 lumens  
Efficiency: N/A  
Efficacy: 118.3 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

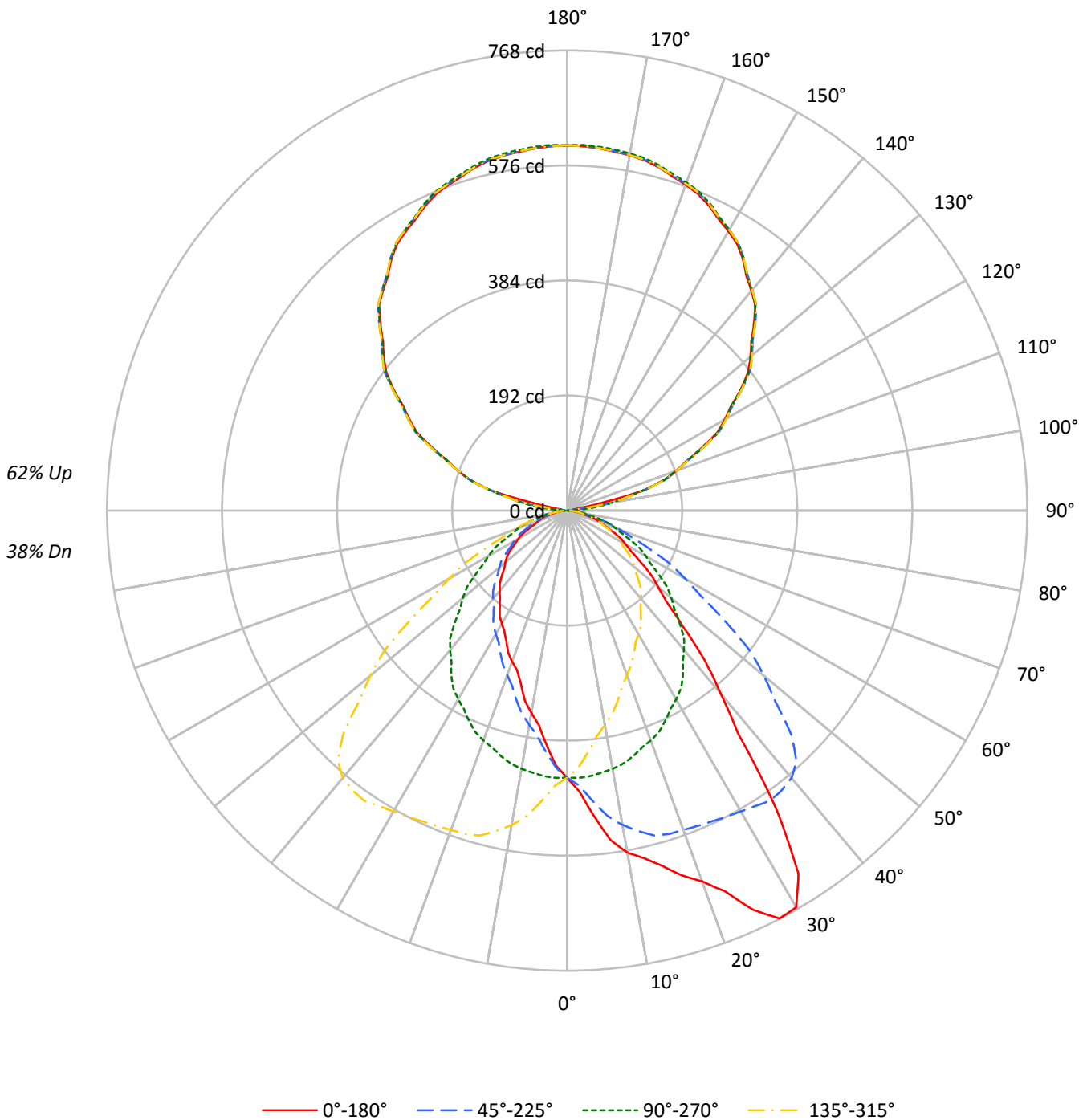
Input Watts (W): 25.6  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



TEST NUMBER: P333496-927

CATALOG NUMBER: S125RDIP-S375D590U927-4F0-1E-UDD-A

### Luminous Intensity Polar Plot





TEST NUMBER: P333496-927

CATALOG NUMBER: S125RDIP-S375D590U927-4F0-1E-UDD-A

**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°	2880	2880	2880	2880
5°	3313	2884	2547	2884
10°	3801	2868	2247	2868
15°	4105	2840	1997	2840
20°	4526	2805	1844	2805
25°	5238	2760	1712	2760
30°	5700	2712	1625	2712
35°	4809	2657	1544	2657
40°	3358	2557	1475	2557
45°	2491	2422	1408	2422
50°	1986	2283	1350	2283
55°	1686	2109	1298	2109
60°	1456	1953	1215	1953
65°	1297	1785	1045	1785
70°	1141	1635	954	1635
75°	986	1415	896	1415
80°	748	1190	748	1190
85°	622	934	704	934



TEST NUMBER: P333496-927

CATALOG NUMBER: S125RDIP-S375D590U927-4F0-1E-UDD-A

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	42.8	1.4
10°-20°	125.3	4.1
20°-30°	198.7	6.6
30°-40°	239.6	7.9
40°-50°	214.0	7.1
50°-60°	164.1	5.4
60°-70°	106.6	3.5
70°-80°	51.8	1.7
80°-90°	13.6	0.5
90°-100°	22.2	0.7
100°-110°	136.6	4.5
110°-120°	247.7	8.2
120°-130°	317.8	10.5
130°-140°	341.9	11.3
140°-150°	320.9	10.6
150°-160°	259.6	8.6
160°-170°	167.9	5.5
170°-180°	57.9	1.9
0°-30°	366.8	12.1
0°-40°	606.3	20.0
0°-60°	984.4	32.5
0°-90°	1156.5	38.2
90°-120°	406.4	13.4
90°-150°	1387.0	45.8
90°-180°	1872.0	61.8
0°-180°	3028.9	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	446	446	446	446	446	
5°	511	445	393	445	511	51
15°	614	425	299	425	614	176
25°	735	387	240	387	735	338
35°	610	337	196	337	610	368
45°	273	265	154	265	273	218
55°	150	187	115	187	150	136
65°	85	117	68	117	85	84
75°	40	57	36	57	40	42
85°	8	13	10	13	8	10
90°	11	0	11	0	11	5
95°	10	26	10	26	10	8
105°	134	133	134	133	134	121
115°	248	250	248	250	248	246
125°	355	355	355	355	355	316
135°	441	442	441	442	441	340
145°	512	513	512	513	512	320
155°	561	565	561	565	561	258
165°	593	596	593	596	593	167
175°	607	610	607	610	607	58
180°	610	610	610	610	610	



TEST NUMBER: P333496-927

CATALOG NUMBER: S125RDIP-S375D590U927-4F0-1E-UDD-A

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	445.9	445.9	445.9	445.9	445.9	445.9	445.9	445.9	445.9	445.9	445.9
2.5°	469.1	468.7	469.4	467.7	467.9	465.4	465.4	463.5	461.0	459.1	458.2
5°	511.0	511.4	510.7	507.9	506.1	503.4	500.3	494.8	490.2	485.8	482.4
7.5°	554.4	554.6	552.2	551.4	546.7	543.4	536.5	528.9	522.4	513.9	507.5
10°	579.6	579.3	576.8	574.7	570.8	565.6	558.8	550.1	541.9	532.7	523.9
12.5°	594.1	593.7	592.9	590.4	586.7	582.2	576.4	567.8	557.6	547.6	537.3
15°	613.9	612.7	610.3	607.1	601.8	596.5	590.2	582.5	572.7	561.4	551.9
17.5°	638.4	638.4	634.8	630.4	623.2	613.9	604.0	591.6	578.4	565.9	555.8
20°	658.6	658.1	654.4	645.9	637.7	626.0	614.7	599.4	583.4	567.0	554.4
22.5°	687.6	686.2	682.4	671.3	658.5	643.4	626.1	607.5	588.0	569.6	552.9
25°	735.1	734.0	726.5	713.7	695.8	672.5	649.8	624.4	596.4	572.0	551.9
27.5°	767.6	766.4	760.8	750.2	733.6	709.2	678.5	644.4	609.5	576.0	547.0
30°	764.4	767.1	766.4	761.4	749.0	727.1	698.7	660.4	618.9	579.6	544.9
32.5°	718.4	720.9	727.3	737.0	737.8	729.0	707.7	672.4	629.4	584.6	543.3
35°	609.9	613.2	625.7	645.2	670.9	692.3	696.6	677.6	639.0	590.9	540.9
37.5°	468.9	486.9	497.4	518.0	556.7	596.1	634.0	647.9	631.5	588.3	537.0
40°	398.3	402.7	421.4	444.7	477.2	518.2	572.2	611.2	612.4	582.5	530.8
42.5°	340.9	346.5	359.3	377.9	405.8	446.7	502.5	554.0	577.7	566.3	522.8
45°	272.7	276.9	286.3	300.6	321.9	355.8	403.8	463.3	510.5	529.0	501.2
47.5°	224.0	226.3	234.4	245.3	261.2	285.8	323.0	374.6	431.3	471.0	467.1
50°	197.7	200.3	206.4	214.7	228.1	248.9	278.6	321.6	380.0	428.5	438.2
52.5°	177.2	179.4	183.2	191.0	202.0	218.0	242.0	280.9	333.4	385.0	407.5
55°	149.7	151.2	154.3	158.7	167.5	179.0	199.7	226.6	269.1	321.1	354.0
57.5°	127.1	127.9	129.8	133.9	140.0	148.4	163.3	186.1	216.6	263.4	299.8
60°	112.7	113.5	116.1	118.8	123.6	131.3	143.0	158.9	188.1	226.8	263.6
62.5°	101.3	101.8	102.9	105.6	109.8	115.7	124.9	137.9	161.2	195.2	229.9
65°	84.9	85.1	85.5	87.7	90.2	94.7	100.7	109.8	127.4	153.0	183.8
67.5°	69.2	69.5	70.7	71.5	74.1	76.4	80.0	87.0	99.4	116.7	140.6
70°	60.4	60.2	61.5	62.4	63.3	66.1	68.4	74.1	81.8	95.0	114.9
72.5°	52.2	51.7	52.3	52.6	53.8	55.7	58.1	61.6	67.5	76.5	91.8
75°	39.5	39.7	39.7	40.1	41.0	41.7	42.5	44.3	47.6	53.6	61.9
77.5°	27.7	27.5	28.2	28.4	28.9	29.7	30.3	31.1	32.4	34.9	39.1
80°	20.1	20.1	20.3	20.8	20.7	21.1	21.9	22.7	24.3	25.8	27.3
82.5°	15.4	15.3	15.4	15.6	15.5	15.9	16.2	16.4	17.0	17.7	18.8
85°	8.4	8.4	8.6	8.6	8.8	8.8	9.0	9.0	9.0	9.2	9.3
87.5°	5.4	5.1	5.0	4.9	5.0	5.2	5.0	4.8	4.6	4.5	4.5
90°	10.9	10.5	10.2	10.0	9.7	9.3	8.7	8.2	7.8	7.2	6.5
92.5°	10.1	10.0	9.8	9.7	9.6	9.3	8.7	8.2	7.8	7.2	6.6
95°	9.5	9.5	9.5	9.5	9.5	9.3	8.7	8.2	7.8	7.2	11.0
97.5°	9.5	9.5	9.5	9.5	9.5	10.9	13.7	16.6	19.4	22.3	29.8
100°	9.5	9.9	10.3	10.7	11.1	18.8	33.7	48.7	63.7	78.7	78.3
102.5°	56.9	63.7	70.5	77.3	84.2	89.0	91.8	94.7	97.5	100.4	100.1
105°	134.2	134.4	134.4	134.5	134.7	134.7	134.7	134.7	134.7	134.7	134.7
107.5°	169.2	169.5	169.8	170.2	170.4	170.6	170.6	170.6	170.5	170.5	170.3
110°	193.5	193.4	193.2	193.1	193.1	193.1	193.5	193.8	194.1	194.3	194.2



TEST NUMBER: P333496-927

CATALOG NUMBER: S125RDIP-S375D590U927-4F0-1E-UDD-A

**CANDELA DISTRIBUTION (continued):**

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	215.2	215.3	215.4	215.6	215.7	215.9	216.3	216.7	217.1	217.5	217.4
115°	247.7	248.3	248.9	249.5	250.1	250.6	251.0	251.4	251.8	252.2	252.1
117.5°	282.4	282.7	282.9	283.2	283.4	283.8	284.3	284.9	285.4	285.9	285.5
120°	303.7	304.2	304.8	305.2	305.7	306.1	306.3	306.5	306.7	306.9	306.6
122.5°	324.0	324.6	325.1	325.7	326.3	326.7	326.9	327.1	327.3	327.5	327.3
125°	354.8	355.1	355.4	355.7	356.0	356.3	356.7	357.2	357.6	358.0	358.0
127.5°	380.7	381.5	382.2	382.9	383.7	384.2	384.4	384.6	384.8	385.1	385.2
130°	399.6	400.1	400.5	401.1	401.6	402.0	402.3	402.6	402.8	403.1	403.1
132.5°	416.9	417.4	417.9	418.4	418.9	419.2	419.2	419.3	419.4	419.5	419.6
135°	440.7	441.2	441.9	442.5	443.1	443.5	443.7	443.9	444.1	444.3	444.5
137.5°	464.5	465.1	465.6	466.1	466.6	466.8	466.8	466.8	466.8	466.7	466.9
140°	478.6	479.3	479.8	480.5	481.0	481.3	481.0	480.9	480.6	480.5	480.5
142.5°	492.0	492.6	493.2	493.8	494.4	494.7	494.6	494.6	494.6	494.6	494.4
145°	511.6	512.2	512.9	513.4	514.0	514.3	514.2	514.1	514.0	513.9	513.9
147.5°	527.8	528.5	529.3	530.0	530.7	531.0	530.9	530.8	530.7	530.5	530.4
150°	538.3	539.1	539.9	540.7	541.5	541.8	541.6	541.4	541.2	541.0	540.8
152.5°	548.0	548.7	549.5	550.2	551.0	551.2	551.0	550.8	550.6	550.4	550.2
155°	560.9	561.7	562.5	563.3	564.1	564.4	564.0	563.8	563.5	563.2	562.9
157.5°	571.6	572.4	573.2	574.1	574.9	575.1	574.8	574.5	574.2	573.9	573.8
160°	578.5	579.3	580.1	580.9	581.7	581.9	581.5	581.1	580.7	580.4	580.2
162.5°	584.6	585.6	586.5	587.3	588.2	588.4	587.8	587.2	586.7	586.1	586.0
165°	592.9	593.8	594.6	595.4	596.2	596.3	595.7	595.1	594.5	593.9	593.8
167.5°	598.7	599.7	600.6	601.5	602.4	602.5	601.7	601.0	600.3	599.6	599.4
170°	602.1	602.9	603.8	604.8	605.6	605.7	604.9	604.1	603.2	602.5	602.4
172.5°	604.2	605.1	606.0	606.9	607.8	607.9	607.2	606.4	605.7	605.0	604.8
175°	607.0	607.9	608.8	609.7	610.6	610.7	609.8	609.0	608.2	607.4	607.4
177.5°	608.6	609.3	609.9	610.5	611.2	611.2	610.7	610.1	609.6	609.0	608.9
180°	609.7	609.7	609.7	609.7	609.7	609.7	609.7	609.7	609.7	609.7	609.7



TEST NUMBER: P333496-927

CATALOG NUMBER: S125RDIP-S375D590U927-4F0-1E-UDD-A

**CANDELA DISTRIBUTION (continued):**

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	445.9	445.9	445.9	445.9	445.9	445.9	445.9	445.9	445.9	445.9	445.9
2.5°	458.2	457.2	455.3	453.5	451.3	449.4	448.1	446.5	444.4	442.0	439.9
5°	478.5	474.4	469.1	464.5	458.7	454.2	449.4	444.8	440.2	434.4	429.2
7.5°	501.0	492.7	484.6	474.4	465.2	456.9	449.0	441.0	433.2	424.8	416.8
10°	514.8	504.6	493.5	480.7	469.0	457.8	447.6	437.4	426.8	417.6	407.5
12.5°	527.6	514.6	501.8	485.7	471.6	458.0	444.9	432.4	421.0	408.9	398.1
15°	539.2	526.4	512.1	492.4	472.8	456.3	440.9	424.7	410.6	397.0	384.9
17.5°	543.8	530.3	513.7	494.7	473.3	452.6	432.8	414.9	398.3	382.5	369.0
20°	542.0	529.0	512.0	493.8	471.0	449.4	427.9	408.2	389.7	373.0	358.6
22.5°	537.7	524.3	507.9	488.7	467.0	444.1	421.2	400.1	380.8	363.5	347.8
25°	531.4	513.1	496.2	477.5	456.9	434.2	410.6	387.3	366.6	349.0	331.8
27.5°	524.7	501.9	480.5	461.9	440.1	419.9	397.0	373.2	351.5	333.6	315.9
30°	518.7	493.1	469.5	448.5	427.8	408.5	387.0	363.7	341.4	322.9	305.0
32.5°	511.3	484.0	458.1	433.8	413.8	394.8	375.3	353.0	331.3	312.2	294.0
35°	501.9	467.1	438.9	413.1	391.0	372.5	354.9	337.0	315.2	295.4	277.7
37.5°	489.6	450.1	417.6	389.4	366.1	347.5	333.6	317.2	297.3	278.5	262.0
40°	482.1	437.8	402.2	374.3	349.8	330.2	317.2	303.3	285.2	267.4	251.0
42.5°	472.2	426.6	386.7	357.7	333.0	314.1	301.0	288.8	273.6	256.9	239.2
45°	452.7	404.7	362.8	331.7	306.8	288.3	276.0	265.2	253.7	238.3	222.9
47.5°	427.3	381.9	338.0	304.0	279.7	262.5	250.6	242.1	233.9	220.8	205.9
50°	406.9	363.1	320.4	287.4	261.4	245.1	233.9	227.2	219.7	207.8	195.3
52.5°	382.9	343.8	301.9	268.2	243.7	228.4	217.7	210.9	204.7	195.0	183.2
55°	345.1	310.8	272.4	241.8	219.3	203.9	193.7	187.3	183.6	175.4	166.0
57.5°	301.3	276.9	243.0	213.5	193.5	178.4	170.9	165.4	161.3	155.4	148.9
60°	270.9	253.7	223.3	195.3	177.0	162.6	155.7	151.2	147.3	142.4	137.3
62.5°	240.0	227.5	201.1	177.0	160.2	148.1	141.7	137.6	133.2	129.8	124.8
65°	198.6	187.4	169.1	150.3	134.8	125.0	120.4	116.8	114.1	110.4	106.9
67.5°	154.5	150.0	137.3	124.3	113.1	104.5	100.5	98.0	94.7	92.5	90.2
70°	127.4	125.2	116.2	107.7	97.2	91.3	87.7	86.6	82.5	80.3	78.7
72.5°	103.4	102.3	97.2	91.3	83.9	78.7	75.4	74.1	71.5	69.8	68.8
75°	70.8	71.2	70.3	66.5	63.7	60.4	57.5	56.7	54.9	53.5	52.5
77.5°	44.8	46.7	46.7	46.6	45.5	43.5	42.2	41.7	39.9	39.4	39.1
80°	30.7	32.8	34.6	34.4	34.1	33.5	32.6	32.0	31.1	30.6	30.2
82.5°	20.5	22.3	23.9	24.9	24.8	24.2	23.7	23.4	23.2	22.8	22.7
85°	9.7	10.1	10.6	11.9	12.8	13.0	12.8	12.6	12.1	12.3	12.4
87.5°	4.5	4.4	4.4	4.3	4.0	4.5	4.8	4.8	4.7	4.5	4.4
90°	5.9	5.1	4.4	3.6	2.9	2.1	1.3	0.5	1.3	2.1	2.9
92.5°	6.0	5.4	4.8	4.7	5.3	5.9	6.4	7.0	6.4	5.9	5.3
95°	14.9	18.7	22.5	24.6	24.9	25.2	25.4	25.7	25.4	25.2	24.9
97.5°	37.3	44.9	52.4	55.9	55.4	54.9	54.3	53.8	54.3	54.9	55.4
100°	77.9	77.5	77.0	76.7	76.4	76.0	75.8	75.5	75.8	76.0	76.4
102.5°	99.9	99.6	99.3	99.0	98.7	98.3	97.9	97.5	97.9	98.3	98.7
105°	134.7	134.7	134.7	134.5	134.1	133.7	133.2	132.8	133.2	133.7	134.1
107.5°	170.1	169.8	169.7	169.6	169.6	169.6	169.6	169.6	169.6	169.6	169.6
110°	193.9	193.8	193.5	193.5	193.5	193.5	193.5	193.5	193.5	193.5	193.5





TEST NUMBER: P333496-927

CATALOG NUMBER: S125RDIP-S375D590U927-4F0-1E-UDD-A

**CANDELA DISTRIBUTION (continued):**

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	217.2	217.1	217.0	216.8	216.6	216.3	216.1	215.9	216.1	216.3	216.6
115°	252.0	251.9	251.8	251.5	251.0	250.5	250.0	249.5	250.0	250.5	251.0
117.5°	285.2	284.8	284.4	284.2	284.2	284.2	284.2	284.3	284.2	284.2	284.2
120°	306.3	306.0	305.7	305.5	305.7	305.8	305.9	306.0	305.9	305.8	305.7
122.5°	327.3	327.1	326.9	326.7	326.3	325.9	325.5	325.1	325.5	325.9	326.3
125°	358.0	358.0	358.0	357.6	356.9	356.2	355.5	354.8	355.5	356.2	356.9
127.5°	385.2	385.2	385.3	385.1	384.6	384.1	383.6	383.1	383.6	384.1	384.6
130°	403.0	402.8	402.7	402.4	402.0	401.5	400.9	400.4	400.9	401.5	402.0
132.5°	419.9	420.1	420.3	420.1	419.5	419.0	418.4	417.8	418.4	419.0	419.5
135°	444.7	444.9	445.1	444.9	444.3	443.7	443.1	442.5	443.1	443.7	444.3
137.5°	467.1	467.2	467.5	467.2	466.8	466.2	465.7	465.2	465.7	466.2	466.8
140°	480.6	480.8	480.9	480.8	480.6	480.4	480.2	480.0	480.2	480.4	480.6
142.5°	494.2	494.2	494.0	493.8	493.8	493.6	493.5	493.4	493.5	493.6	493.8
145°	513.9	513.9	513.9	513.8	513.6	513.4	513.2	513.0	513.2	513.4	513.6
147.5°	530.3	530.1	530.0	530.0	530.0	530.0	530.1	530.1	530.1	530.0	530.0
150°	540.6	540.4	540.2	540.2	540.4	540.6	540.8	541.0	540.8	540.6	540.4
152.5°	550.0	549.8	549.6	549.7	550.2	550.6	551.0	551.5	551.0	550.6	550.2
155°	562.8	562.5	562.4	562.5	563.2	563.8	564.4	565.0	564.4	563.8	563.2
157.5°	573.8	573.8	573.8	573.9	574.3	574.6	575.0	575.4	575.0	574.6	574.3
160°	580.1	580.0	580.0	580.2	580.7	581.4	582.0	582.6	582.0	581.4	580.7
162.5°	585.9	585.8	585.7	586.0	586.5	587.2	587.8	588.4	587.8	587.2	586.5
165°	593.7	593.6	593.5	593.7	594.4	594.9	595.6	596.1	595.6	594.9	594.4
167.5°	599.4	599.3	599.2	599.4	600.1	600.7	601.3	601.9	601.3	600.7	600.1
170°	602.3	602.1	602.1	602.4	603.1	603.8	604.5	605.2	604.5	603.8	603.1
172.5°	604.7	604.4	604.3	604.5	605.2	605.9	606.7	607.4	606.7	605.9	605.2
175°	607.3	607.1	607.0	607.3	607.9	608.5	609.1	609.7	609.1	608.5	607.9
177.5°	608.8	608.7	608.6	608.9	609.3	609.8	610.3	610.8	610.3	609.8	609.3
180°	609.7	609.7	609.7	609.7	609.7	609.7	609.7	609.7	609.7	609.7	609.7



TEST NUMBER: P333496-927

CATALOG NUMBER: S125RDIP-S375D590U927-4F0-1E-UDD-A

**CANDELA DISTRIBUTION (continued):**

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	445.9	445.9	445.9	445.9	445.9	445.9	445.9	445.9	445.9	445.9	445.9
2.5°	438.4	436.4	434.9	432.0	429.9	429.0	427.5	427.0	428.6	427.5	427.3
5°	425.4	420.1	415.9	411.7	407.1	404.2	399.7	399.0	397.9	396.3	395.9
7.5°	409.8	402.8	397.4	390.5	384.4	379.5	374.1	371.5	370.0	367.9	365.0
10°	399.3	391.0	383.7	376.7	369.2	363.1	357.7	353.5	350.7	348.2	347.1
12.5°	388.8	380.4	371.1	362.7	354.3	347.5	341.4	338.7	335.6	332.6	330.1
15°	372.6	361.6	351.3	341.6	334.5	327.1	321.2	317.2	312.7	311.3	306.4
17.5°	355.5	344.6	332.6	322.4	314.1	306.0	299.6	295.0	291.6	286.8	284.6
20°	344.8	331.8	320.1	310.8	301.7	292.2	285.6	281.7	278.5	274.6	272.7
22.5°	333.4	320.8	308.7	297.8	288.5	279.1	274.4	270.5	266.7	263.2	260.7
25°	316.6	303.9	291.2	279.9	270.2	263.4	257.9	253.3	251.4	247.9	245.3
27.5°	300.1	286.5	273.4	262.1	254.4	247.7	243.2	239.6	236.0	233.0	230.7
30°	289.4	275.5	261.2	252.2	244.2	237.8	232.8	229.3	226.6	223.9	222.2
32.5°	278.7	264.4	251.7	242.0	234.4	228.9	223.8	220.4	217.5	214.5	212.5
35°	261.6	246.9	236.7	227.2	219.7	214.5	211.0	206.3	203.9	201.7	199.7
37.5°	245.7	232.0	220.9	212.6	206.0	201.0	196.5	193.9	191.0	189.0	187.4
40°	233.9	221.5	211.4	202.6	197.9	192.2	188.0	184.7	182.5	179.9	178.1
42.5°	223.4	211.8	202.0	194.2	188.2	183.4	179.4	176.0	173.3	171.4	169.9
45°	208.5	196.9	187.4	180.1	174.6	170.1	165.8	164.2	160.5	158.4	157.6
47.5°	193.1	182.8	173.6	166.8	161.2	156.9	152.9	149.6	147.5	145.4	144.2
50°	182.7	172.8	164.2	157.6	152.1	147.3	143.7	141.5	138.7	136.7	135.3
52.5°	172.3	163.1	154.6	148.2	143.5	138.7	134.6	132.5	129.8	128.6	127.5
55°	157.4	147.7	140.4	134.2	129.2	124.8	121.0	118.8	117.2	115.9	115.5
57.5°	140.6	132.9	126.1	120.5	115.3	111.2	107.8	105.8	104.3	104.1	103.0
60°	129.6	122.6	116.5	110.4	106.0	102.1	99.2	96.8	95.4	95.2	94.8
62.5°	118.6	111.9	106.2	100.8	96.9	93.2	90.4	87.8	86.9	86.0	85.2
65°	102.3	96.3	91.5	87.3	83.1	80.0	77.2	75.6	73.6	72.5	70.5
67.5°	86.3	81.7	77.1	73.5	70.2	67.3	65.0	62.5	61.2	60.3	58.9
70°	75.8	72.1	67.6	63.7	61.2	58.8	57.0	54.2	53.2	52.5	51.8
72.5°	65.8	62.6	58.8	55.6	53.1	50.9	48.7	47.5	46.5	45.8	45.4
75°	51.8	48.7	45.4	43.2	41.4	39.5	38.4	37.5	37.2	37.0	36.3
77.5°	38.0	36.4	33.7	32.0	30.8	30.0	29.1	28.6	28.5	27.7	27.5
80°	29.1	28.2	26.0	25.3	24.3	23.6	23.1	22.2	21.2	20.8	20.3
82.5°	21.6	20.8	19.8	18.7	17.9	17.4	17.0	16.6	16.7	16.2	15.9
85°	11.6	10.6	10.2	10.1	9.7	10.1	9.9	9.7	9.5	9.3	9.5
87.5°	4.4	4.5	4.5	5.0	4.7	5.0	5.1	5.0	5.1	5.2	5.1
90°	3.6	4.4	5.1	5.9	6.5	7.2	7.8	8.2	8.7	9.3	9.7
92.5°	4.7	4.8	5.4	6.0	6.6	7.2	7.8	8.2	8.7	9.3	9.6
95°	24.6	22.5	18.7	14.9	11.0	7.2	7.8	8.2	8.7	9.3	9.5
97.5°	55.9	52.4	44.9	37.3	29.8	22.3	19.4	16.6	13.7	10.9	9.5
100°	76.7	77.0	77.5	77.9	78.3	78.7	63.7	48.7	33.7	18.8	11.1
102.5°	99.0	99.3	99.6	99.9	100.1	100.4	97.5	94.7	91.8	89.0	84.2
105°	134.5	134.7	134.7	134.7	134.7	134.7	134.7	134.7	134.7	134.7	134.7
107.5°	169.6	169.7	169.8	170.1	170.3	170.5	170.5	170.6	170.6	170.6	170.4
110°	193.5	193.5	193.8	193.9	194.2	194.3	194.1	193.8	193.5	193.1	193.1



TEST NUMBER: P333496-927

CATALOG NUMBER: S125RDIP-S375D590U927-4F0-1E-UDD-A

**CANDELA DISTRIBUTION (continued):**

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	216.8	217.0	217.1	217.2	217.4	217.5	217.1	216.7	216.3	215.9	215.7
115°	251.5	251.8	251.9	252.0	252.1	252.2	251.8	251.4	251.0	250.6	250.1
117.5°	284.2	284.4	284.8	285.2	285.5	285.9	285.4	284.9	284.3	283.8	283.4
120°	305.5	305.7	306.0	306.3	306.6	306.9	306.7	306.5	306.3	306.1	305.7
122.5°	326.7	326.9	327.1	327.3	327.3	327.5	327.3	327.1	326.9	326.7	326.3
125°	357.6	358.0	358.0	358.0	358.0	358.0	357.6	357.2	356.7	356.3	356.0
127.5°	385.1	385.3	385.2	385.2	385.2	385.1	384.8	384.6	384.4	384.2	383.7
130°	402.4	402.7	402.8	403.0	403.1	403.1	402.8	402.6	402.3	402.0	401.6
132.5°	420.1	420.3	420.1	419.9	419.6	419.5	419.4	419.3	419.2	419.2	418.9
135°	444.9	445.1	444.9	444.7	444.5	444.3	444.1	443.9	443.7	443.5	443.1
137.5°	467.2	467.5	467.2	467.1	466.9	466.7	466.8	466.8	466.8	466.8	466.6
140°	480.8	480.9	480.8	480.6	480.5	480.5	480.6	480.9	481.0	481.3	481.0
142.5°	493.8	494.0	494.2	494.2	494.4	494.6	494.6	494.6	494.6	494.7	494.4
145°	513.8	513.9	513.9	513.9	513.9	513.9	514.0	514.1	514.2	514.3	514.0
147.5°	530.0	530.0	530.1	530.3	530.4	530.5	530.7	530.8	530.9	531.0	530.7
150°	540.2	540.2	540.4	540.6	540.8	541.0	541.2	541.4	541.6	541.8	541.5
152.5°	549.7	549.6	549.8	550.0	550.2	550.4	550.6	550.8	551.0	551.2	551.0
155°	562.5	562.4	562.5	562.8	562.9	563.2	563.5	563.8	564.0	564.4	564.1
157.5°	573.9	573.8	573.8	573.8	573.8	573.9	574.2	574.5	574.8	575.1	574.9
160°	580.2	580.0	580.0	580.1	580.2	580.4	580.7	581.1	581.5	581.9	581.7
162.5°	586.0	585.7	585.8	585.9	586.0	586.1	586.7	587.2	587.8	588.4	588.2
165°	593.7	593.5	593.6	593.7	593.8	593.9	594.5	595.1	595.7	596.3	596.2
167.5°	599.4	599.2	599.3	599.4	599.4	599.6	600.3	601.0	601.7	602.5	602.4
170°	602.4	602.1	602.1	602.3	602.4	602.5	603.2	604.1	604.9	605.7	605.6
172.5°	604.5	604.3	604.4	604.7	604.8	605.0	605.7	606.4	607.2	607.9	607.8
175°	607.3	607.0	607.1	607.3	607.4	607.4	608.2	609.0	609.8	610.7	610.6
177.5°	608.9	608.6	608.7	608.8	608.9	609.0	609.6	610.1	610.7	611.2	611.2
180°	609.7	609.7	609.7	609.7	609.7	609.7	609.7	609.7	609.7	609.7	609.7



TEST NUMBER: P333496-927

CATALOG NUMBER: S125RDIP-S375D590U927-4F0-1E-UDD-A

**CANDELA DISTRIBUTION (continued):**

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	445.9	445.9	445.9	445.9	445.9	445.9	445.9	445.9	445.9	445.9	445.9
2.5°	427.1	425.6	425.1	425.7	425.1	425.6	427.1	427.3	427.5	428.6	427.0
5°	394.1	392.3	393.2	392.8	393.2	392.3	394.1	395.9	396.3	397.9	399.0
7.5°	365.0	362.7	360.4	361.1	360.4	362.7	365.0	365.0	367.9	370.0	371.5
10°	344.7	342.9	341.7	342.7	341.7	342.9	344.7	347.1	348.2	350.7	353.5
12.5°	327.6	326.5	325.5	325.1	325.5	326.5	327.6	330.1	332.6	335.6	338.7
15°	304.2	302.1	301.1	298.7	301.1	302.1	304.2	306.4	311.3	312.7	317.2
17.5°	282.7	282.0	279.6	278.6	279.6	282.0	282.7	284.6	286.8	291.6	295.0
20°	270.0	269.3	266.9	268.3	266.9	269.3	270.0	272.7	274.6	278.5	281.7
22.5°	259.4	257.9	257.1	256.7	257.1	257.9	259.4	260.7	263.2	266.7	270.5
25°	244.5	242.2	241.2	240.2	241.2	242.2	244.5	245.3	247.9	251.4	253.3
27.5°	229.7	228.4	227.2	226.9	227.2	228.4	229.7	230.7	233.0	236.0	239.6
30°	220.0	218.7	217.9	217.9	217.9	218.7	220.0	222.2	223.9	226.6	229.3
32.5°	211.4	210.4	209.5	209.3	209.5	210.4	211.4	212.5	214.5	217.5	220.4
35°	198.8	197.3	196.9	195.8	196.9	197.3	198.8	199.7	201.7	203.9	206.3
37.5°	185.7	184.5	184.5	184.3	184.5	184.5	185.7	187.4	189.0	191.0	193.9
40°	177.4	176.4	176.3	175.0	176.3	176.4	177.4	178.1	179.9	182.5	184.7
42.5°	168.4	167.9	167.3	166.8	167.3	167.9	168.4	169.9	171.4	173.3	176.0
45°	156.3	155.0	155.0	154.2	155.0	155.0	156.3	157.6	158.4	160.5	164.2
47.5°	143.8	142.8	142.9	142.0	142.9	142.8	143.8	144.2	145.4	147.5	149.6
50°	135.5	134.9	134.8	134.4	134.8	134.9	135.5	135.3	136.7	138.7	141.5
52.5°	127.1	126.8	127.5	126.7	127.5	126.8	127.1	127.5	128.6	129.8	132.5
55°	115.9	115.3	116.5	115.3	116.5	115.3	115.9	115.5	115.9	117.2	118.8
57.5°	103.0	102.4	103.5	102.9	103.5	102.4	103.0	103.0	104.1	104.3	105.8
60°	94.4	93.3	93.9	94.1	93.9	93.3	94.4	94.8	95.2	95.4	96.8
62.5°	84.4	83.7	84.1	83.3	84.1	83.7	84.4	85.2	86.0	86.9	87.8
65°	70.1	69.6	68.8	68.4	68.8	69.6	70.1	70.5	72.5	73.6	75.6
67.5°	58.9	57.6	57.5	57.8	57.5	57.6	58.9	58.9	60.3	61.2	62.5
70°	50.7	50.7	50.5	50.5	50.5	50.7	50.7	51.8	52.5	53.2	54.2
72.5°	45.0	44.8	44.5	44.4	44.5	44.8	45.0	45.4	45.8	46.5	47.5
75°	36.3	36.4	36.0	35.9	36.0	36.4	36.3	36.3	37.0	37.2	37.5
77.5°	26.8	26.0	26.4	26.0	26.4	26.0	26.8	27.5	27.7	28.5	28.6
80°	20.3	20.1	20.7	20.1	20.7	20.1	20.3	20.3	20.8	21.2	22.2
82.5°	16.1	15.9	16.2	15.8	16.2	15.9	16.1	15.9	16.2	16.7	16.6
85°	9.7	9.5	9.3	9.5	9.3	9.5	9.7	9.5	9.3	9.5	9.7
87.5°	5.4	5.3	5.3	5.4	5.3	5.3	5.4	5.1	5.2	5.1	5.0
90°	10.0	10.2	10.5	10.9	10.5	10.2	10.0	9.7	9.3	8.7	8.2
92.5°	9.7	9.8	10.0	10.1	10.0	9.8	9.7	9.6	9.3	8.7	8.2
95°	9.5	9.5	9.5	9.5	9.5	9.5	9.5	9.5	9.3	8.7	8.2
97.5°	9.5	9.5	9.5	9.5	9.5	9.5	9.5	9.5	10.9	13.7	16.6
100°	10.7	10.3	9.9	9.5	9.9	10.3	10.7	11.1	18.8	33.7	48.7
102.5°	77.3	70.5	63.7	56.9	63.7	70.5	77.3	84.2	89.0	91.8	94.7
105°	134.5	134.4	134.4	134.2	134.4	134.4	134.5	134.7	134.7	134.7	134.7
107.5°	170.2	169.8	169.5	169.2	169.5	169.8	170.2	170.4	170.6	170.6	170.6
110°	193.1	193.2	193.4	193.5	193.4	193.2	193.1	193.1	193.1	193.5	193.8



TEST NUMBER: P333496-927

CATALOG NUMBER: S125RDIP-S375D590U927-4F0-1E-UDD-A

**CANDELA DISTRIBUTION (continued):**

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	215.6	215.4	215.3	215.2	215.3	215.4	215.6	215.7	215.9	216.3	216.7
115°	249.5	248.9	248.3	247.7	248.3	248.9	249.5	250.1	250.6	251.0	251.4
117.5°	283.2	282.9	282.7	282.4	282.7	282.9	283.2	283.4	283.8	284.3	284.9
120°	305.2	304.8	304.2	303.7	304.2	304.8	305.2	305.7	306.1	306.3	306.5
122.5°	325.7	325.1	324.6	324.0	324.6	325.1	325.7	326.3	326.7	326.9	327.1
125°	355.7	355.4	355.1	354.8	355.1	355.4	355.7	356.0	356.3	356.7	357.2
127.5°	382.9	382.2	381.5	380.7	381.5	382.2	382.9	383.7	384.2	384.4	384.6
130°	401.1	400.5	400.1	399.6	400.1	400.5	401.1	401.6	402.0	402.3	402.6
132.5°	418.4	417.9	417.4	416.9	417.4	417.9	418.4	418.9	419.2	419.2	419.3
135°	442.5	441.9	441.2	440.7	441.2	441.9	442.5	443.1	443.5	443.7	443.9
137.5°	466.1	465.6	465.1	464.5	465.1	465.6	466.1	466.6	466.8	466.8	466.8
140°	480.5	479.8	479.3	478.6	479.3	479.8	480.5	481.0	481.3	481.0	480.9
142.5°	493.8	493.2	492.6	492.0	492.6	493.2	493.8	494.4	494.7	494.6	494.6
145°	513.4	512.9	512.2	511.6	512.2	512.9	513.4	514.0	514.3	514.2	514.1
147.5°	530.0	529.3	528.5	527.8	528.5	529.3	530.0	530.7	531.0	530.9	530.8
150°	540.7	539.9	539.1	538.3	539.1	539.9	540.7	541.5	541.8	541.6	541.4
152.5°	550.2	549.5	548.7	548.0	548.7	549.5	550.2	551.0	551.2	551.0	550.8
155°	563.3	562.5	561.7	560.9	561.7	562.5	563.3	564.1	564.4	564.0	563.8
157.5°	574.1	573.2	572.4	571.6	572.4	573.2	574.1	574.9	575.1	574.8	574.5
160°	580.9	580.1	579.3	578.5	579.3	580.1	580.9	581.7	581.9	581.5	581.1
162.5°	587.3	586.5	585.6	584.6	585.6	586.5	587.3	588.2	588.4	587.8	587.2
165°	595.4	594.6	593.8	592.9	593.8	594.6	595.4	596.2	596.3	595.7	595.1
167.5°	601.5	600.6	599.7	598.7	599.7	600.6	601.5	602.4	602.5	601.7	601.0
170°	604.8	603.8	602.9	602.1	602.9	603.8	604.8	605.6	605.7	604.9	604.1
172.5°	606.9	606.0	605.1	604.2	605.1	606.0	606.9	607.8	607.9	607.2	606.4
175°	609.7	608.8	607.9	607.0	607.9	608.8	609.7	610.6	610.7	609.8	609.0
177.5°	610.5	609.9	609.3	608.6	609.3	609.9	610.5	611.2	611.2	610.7	610.1
180°	609.7	609.7	609.7	609.7	609.7	609.7	609.7	609.7	609.7	609.7	609.7



TEST NUMBER: P333496-927

CATALOG NUMBER: S125RDIP-S375D590U927-4F0-1E-UDD-A

**CANDELA DISTRIBUTION (continued):**

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	445.9	445.9	445.9	445.9	445.9	445.9	445.9	445.9	445.9	445.9	445.9
2.5°	427.5	429.0	429.9	432.0	434.9	436.4	438.4	439.9	442.0	444.4	446.5
5°	399.7	404.2	407.1	411.7	415.9	420.1	425.4	429.2	434.4	440.2	444.8
7.5°	374.1	379.5	384.4	390.5	397.4	402.8	409.8	416.8	424.8	433.2	441.0
10°	357.7	363.1	369.2	376.7	383.7	391.0	399.3	407.5	417.6	426.8	437.4
12.5°	341.4	347.5	354.3	362.7	371.1	380.4	388.8	398.1	408.9	421.0	432.4
15°	321.2	327.1	334.5	341.6	351.3	361.6	372.6	384.9	397.0	410.6	424.7
17.5°	299.6	306.0	314.1	322.4	332.6	344.6	355.5	369.0	382.5	398.3	414.9
20°	285.6	292.2	301.7	310.8	320.1	331.8	344.8	358.6	373.0	389.7	408.2
22.5°	274.4	279.1	288.5	297.8	308.7	320.8	333.4	347.8	363.5	380.8	400.1
25°	257.9	263.4	270.2	279.9	291.2	303.9	316.6	331.8	349.0	366.6	387.3
27.5°	243.2	247.7	254.4	262.1	273.4	286.5	300.1	315.9	333.6	351.5	373.2
30°	232.8	237.8	244.2	252.2	261.2	275.5	289.4	305.0	322.9	341.4	363.7
32.5°	223.8	228.9	234.4	242.0	251.7	264.4	278.7	294.0	312.2	331.3	353.0
35°	211.0	214.5	219.7	227.2	236.7	246.9	261.6	277.7	295.4	315.2	337.0
37.5°	196.5	201.0	206.0	212.6	220.9	232.0	245.7	262.0	278.5	297.3	317.2
40°	188.0	192.2	197.9	202.6	211.4	221.5	233.9	251.0	267.4	285.2	303.3
42.5°	179.4	183.4	188.2	194.2	202.0	211.8	223.4	239.2	256.9	273.6	288.8
45°	165.8	170.1	174.6	180.1	187.4	196.9	208.5	222.9	238.3	253.7	265.2
47.5°	152.9	156.9	161.2	166.8	173.6	182.8	193.1	205.9	220.8	233.9	242.1
50°	143.7	147.3	152.1	157.6	164.2	172.8	182.7	195.3	207.8	219.7	227.2
52.5°	134.6	138.7	143.5	148.2	154.6	163.1	172.3	183.2	195.0	204.7	210.9
55°	121.0	124.8	129.2	134.2	140.4	147.7	157.4	166.0	175.4	183.6	187.3
57.5°	107.8	111.2	115.3	120.5	126.1	132.9	140.6	148.9	155.4	161.3	165.4
60°	99.2	102.1	106.0	110.4	116.5	122.6	129.6	137.3	142.4	147.3	151.2
62.5°	90.4	93.2	96.9	100.8	106.2	111.9	118.6	124.8	129.8	133.2	137.6
65°	77.2	80.0	83.1	87.3	91.5	96.3	102.3	106.9	110.4	114.1	116.8
67.5°	65.0	67.3	70.2	73.5	77.1	81.7	86.3	90.2	92.5	94.7	98.0
70°	57.0	58.8	61.2	63.7	67.6	72.1	75.8	78.7	80.3	82.5	86.6
72.5°	48.7	50.9	53.1	55.6	58.8	62.6	65.8	68.8	69.8	71.5	74.1
75°	38.4	39.5	41.4	43.2	45.4	48.7	51.8	52.5	53.5	54.9	56.7
77.5°	29.1	30.0	30.8	32.0	33.7	36.4	38.0	39.1	39.4	39.9	41.7
80°	23.1	23.6	24.3	25.3	26.0	28.2	29.1	30.2	30.6	31.1	32.0
82.5°	17.0	17.4	17.9	18.7	19.8	20.8	21.6	22.7	22.8	23.2	23.4
85°	9.9	10.1	9.7	10.1	10.2	10.6	11.6	12.4	12.3	12.1	12.6
87.5°	5.1	5.0	4.7	5.0	4.5	4.5	4.4	4.4	4.5	4.7	4.8
90°	7.8	7.2	6.5	5.9	5.1	4.4	3.6	2.9	2.1	1.3	0.5
92.5°	7.8	7.2	6.6	6.0	5.4	4.8	4.7	5.3	5.9	6.4	7.0
95°	7.8	7.2	11.0	14.9	18.7	22.5	24.6	24.9	25.2	25.4	25.7
97.5°	19.4	22.3	29.8	37.3	44.9	52.4	55.9	55.4	54.9	54.3	53.8
100°	63.7	78.7	78.3	77.9	77.5	77.0	76.7	76.4	76.0	75.8	75.5
102.5°	97.5	100.4	100.1	99.9	99.6	99.3	99.0	98.7	98.3	97.9	97.5
105°	134.7	134.7	134.7	134.7	134.7	134.7	134.5	134.1	133.7	133.2	132.8
107.5°	170.5	170.5	170.3	170.1	169.8	169.7	169.6	169.6	169.6	169.6	169.6
110°	194.1	194.3	194.2	193.9	193.8	193.5	193.5	193.5	193.5	193.5	193.5



TEST NUMBER: P333496-927

CATALOG NUMBER: S125RDIP-S375D590U927-4F0-1E-UDD-A

**CANDELA DISTRIBUTION (continued):**

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	217.1	217.5	217.4	217.2	217.1	217.0	216.8	216.6	216.3	216.1	215.9
115°	251.8	252.2	252.1	252.0	251.9	251.8	251.5	251.0	250.5	250.0	249.5
117.5°	285.4	285.9	285.5	285.2	284.8	284.4	284.2	284.2	284.2	284.2	284.3
120°	306.7	306.9	306.6	306.3	306.0	305.7	305.5	305.7	305.8	305.9	306.0
122.5°	327.3	327.5	327.3	327.3	327.1	326.9	326.7	326.3	325.9	325.5	325.1
125°	357.6	358.0	358.0	358.0	358.0	358.0	357.6	356.9	356.2	355.5	354.8
127.5°	384.8	385.1	385.2	385.2	385.2	385.3	385.1	384.6	384.1	383.6	383.1
130°	402.8	403.1	403.1	403.0	402.8	402.7	402.4	402.0	401.5	400.9	400.4
132.5°	419.4	419.5	419.6	419.9	420.1	420.3	420.1	419.5	419.0	418.4	417.8
135°	444.1	444.3	444.5	444.7	444.9	445.1	444.9	444.3	443.7	443.1	442.5
137.5°	466.8	466.7	466.9	467.1	467.2	467.5	467.2	466.8	466.2	465.7	465.2
140°	480.6	480.5	480.5	480.6	480.8	480.9	480.8	480.6	480.4	480.2	480.0
142.5°	494.6	494.6	494.4	494.2	494.2	494.0	493.8	493.8	493.6	493.5	493.4
145°	514.0	513.9	513.9	513.9	513.9	513.9	513.8	513.6	513.4	513.2	513.0
147.5°	530.7	530.5	530.4	530.3	530.1	530.0	530.0	530.0	530.0	530.1	530.1
150°	541.2	541.0	540.8	540.6	540.4	540.2	540.2	540.4	540.6	540.8	541.0
152.5°	550.6	550.4	550.2	550.0	549.8	549.6	549.7	550.2	550.6	551.0	551.5
155°	563.5	563.2	562.9	562.8	562.5	562.4	562.5	563.2	563.8	564.4	565.0
157.5°	574.2	573.9	573.8	573.8	573.8	573.8	573.9	574.3	574.6	575.0	575.4
160°	580.7	580.4	580.2	580.1	580.0	580.0	580.2	580.7	581.4	582.0	582.6
162.5°	586.7	586.1	586.0	585.9	585.8	585.7	586.0	586.5	587.2	587.8	588.4
165°	594.5	593.9	593.8	593.7	593.6	593.5	593.7	594.4	594.9	595.6	596.1
167.5°	600.3	599.6	599.4	599.4	599.3	599.2	599.4	600.1	600.7	601.3	601.9
170°	603.2	602.5	602.4	602.3	602.1	602.1	602.4	603.1	603.8	604.5	605.2
172.5°	605.7	605.0	604.8	604.7	604.4	604.3	604.5	605.2	605.9	606.7	607.4
175°	608.2	607.4	607.4	607.3	607.1	607.0	607.3	607.9	608.5	609.1	609.7
177.5°	609.6	609.0	608.9	608.8	608.7	608.6	608.9	609.3	609.8	610.3	610.8
180°	609.7	609.7	609.7	609.7	609.7	609.7	609.7	609.7	609.7	609.7	609.7



TEST NUMBER: P333496-927

CATALOG NUMBER: S125RDIP-S375D590U927-4F0-1E-UDD-A

**CANDELA DISTRIBUTION (continued):**

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	445.9	445.9	445.9	445.9	445.9	445.9	445.9	445.9	445.9	445.9	445.9
2.5°	448.1	449.4	451.3	453.5	455.3	457.2	458.2	458.2	459.1	461.0	463.5
5°	449.4	454.2	458.7	464.5	469.1	474.4	478.5	482.4	485.8	490.2	494.8
7.5°	449.0	456.9	465.2	474.4	484.6	492.7	501.0	507.5	513.9	522.4	528.9
10°	447.6	457.8	469.0	480.7	493.5	504.6	514.8	523.9	532.7	541.9	550.1
12.5°	444.9	458.0	471.6	485.7	501.8	514.6	527.6	537.3	547.6	557.6	567.8
15°	440.9	456.3	472.8	492.4	512.1	526.4	539.2	551.9	561.4	572.7	582.5
17.5°	432.8	452.6	473.3	494.7	513.7	530.3	543.8	555.8	565.9	578.4	591.6
20°	427.9	449.4	471.0	493.8	512.0	529.0	542.0	554.4	567.0	583.4	599.4
22.5°	421.2	444.1	467.0	488.7	507.9	524.3	537.7	552.9	569.6	588.0	607.5
25°	410.6	434.2	456.9	477.5	496.2	513.1	531.4	551.9	572.0	596.4	624.4
27.5°	397.0	419.9	440.1	461.9	480.5	501.9	524.7	547.0	576.0	609.5	644.4
30°	387.0	408.5	427.8	448.5	469.5	493.1	518.7	544.9	579.6	618.9	660.4
32.5°	375.3	394.8	413.8	433.8	458.1	484.0	511.3	543.3	584.6	629.4	672.4
35°	354.9	372.5	391.0	413.1	438.9	467.1	501.9	540.9	590.9	639.0	677.6
37.5°	333.6	347.5	366.1	389.4	417.6	450.1	489.6	537.0	588.3	631.5	647.9
40°	317.2	330.2	349.8	374.3	402.2	437.8	482.1	530.8	582.5	612.4	611.2
42.5°	301.0	314.1	333.0	357.7	386.7	426.6	472.2	522.8	566.3	577.7	554.0
45°	276.0	288.3	306.8	331.7	362.8	404.7	452.7	501.2	529.0	510.5	463.3
47.5°	250.6	262.5	279.7	304.0	338.0	381.9	427.3	467.1	471.0	431.3	374.6
50°	233.9	245.1	261.4	287.4	320.4	363.1	406.9	438.2	428.5	380.0	321.6
52.5°	217.7	228.4	243.7	268.2	301.9	343.8	382.9	407.5	385.0	333.4	280.9
55°	193.7	203.9	219.3	241.8	272.4	310.8	345.1	354.0	321.1	269.1	226.6
57.5°	170.9	178.4	193.5	213.5	243.0	276.9	301.3	299.8	263.4	216.6	186.1
60°	155.7	162.6	177.0	195.3	223.3	253.7	270.9	263.6	226.8	188.1	158.9
62.5°	141.7	148.1	160.2	177.0	201.1	227.5	240.0	229.9	195.2	161.2	137.9
65°	120.4	125.0	134.8	150.3	169.1	187.4	198.6	183.8	153.0	127.4	109.8
67.5°	100.5	104.5	113.1	124.3	137.3	150.0	154.5	140.6	116.7	99.4	87.0
70°	87.7	91.3	97.2	107.7	116.2	125.2	127.4	114.9	95.0	81.8	74.1
72.5°	75.4	78.7	83.9	91.3	97.2	102.3	103.4	91.8	76.5	67.5	61.6
75°	57.5	60.4	63.7	66.5	70.3	71.2	70.8	61.9	53.6	47.6	44.3
77.5°	42.2	43.5	45.5	46.6	46.7	46.7	44.8	39.1	34.9	32.4	31.1
80°	32.6	33.5	34.1	34.4	34.6	32.8	30.7	27.3	25.8	24.3	22.7
82.5°	23.7	24.2	24.8	24.9	23.9	22.3	20.5	18.8	17.7	17.0	16.4
85°	12.8	13.0	12.8	11.9	10.6	10.1	9.7	9.3	9.2	9.0	9.0
87.5°	4.8	4.5	4.0	4.3	4.4	4.4	4.5	4.5	4.5	4.6	4.8
90°	1.3	2.1	2.9	3.6	4.4	5.1	5.9	6.5	7.2	7.8	8.2
92.5°	6.4	5.9	5.3	4.7	4.8	5.4	6.0	6.6	7.2	7.8	8.2
95°	25.4	25.2	24.9	24.6	22.5	18.7	14.9	11.0	7.2	7.8	8.2
97.5°	54.3	54.9	55.4	55.9	52.4	44.9	37.3	29.8	22.3	19.4	16.6
100°	75.8	76.0	76.4	76.7	77.0	77.5	77.9	78.3	78.7	63.7	48.7
102.5°	97.9	98.3	98.7	99.0	99.3	99.6	99.9	100.1	100.4	97.5	94.7
105°	133.2	133.7	134.1	134.5	134.7	134.7	134.7	134.7	134.7	134.7	134.7
107.5°	169.6	169.6	169.6	169.6	169.7	169.8	170.1	170.3	170.5	170.5	170.6
110°	193.5	193.5	193.5	193.5	193.5	193.8	193.9	194.2	194.3	194.1	193.8





TEST NUMBER: P333496-927

CATALOG NUMBER: S125RDIP-S375D590U927-4F0-1E-UDD-A

**CANDELA DISTRIBUTION (continued):**

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	216.1	216.3	216.6	216.8	217.0	217.1	217.2	217.4	217.5	217.1	216.7
115°	250.0	250.5	251.0	251.5	251.8	251.9	252.0	252.1	252.2	251.8	251.4
117.5°	284.2	284.2	284.2	284.2	284.4	284.8	285.2	285.5	285.9	285.4	284.9
120°	305.9	305.8	305.7	305.5	305.7	306.0	306.3	306.6	306.9	306.7	306.5
122.5°	325.5	325.9	326.3	326.7	326.9	327.1	327.3	327.3	327.5	327.3	327.1
125°	355.5	356.2	356.9	357.6	358.0	358.0	358.0	358.0	358.0	357.6	357.2
127.5°	383.6	384.1	384.6	385.1	385.3	385.2	385.2	385.2	385.1	384.8	384.6
130°	400.9	401.5	402.0	402.4	402.7	402.8	403.0	403.1	403.1	402.8	402.6
132.5°	418.4	419.0	419.5	420.1	420.3	420.1	419.9	419.6	419.5	419.4	419.3
135°	443.1	443.7	444.3	444.9	445.1	444.9	444.7	444.5	444.3	444.1	443.9
137.5°	465.7	466.2	466.8	467.2	467.5	467.2	467.1	466.9	466.7	466.8	466.8
140°	480.2	480.4	480.6	480.8	480.9	480.8	480.6	480.5	480.5	480.6	480.9
142.5°	493.5	493.6	493.8	493.8	494.0	494.2	494.2	494.4	494.6	494.6	494.6
145°	513.2	513.4	513.6	513.8	513.9	513.9	513.9	513.9	513.9	514.0	514.1
147.5°	530.1	530.0	530.0	530.0	530.0	530.1	530.3	530.4	530.5	530.7	530.8
150°	540.8	540.6	540.4	540.2	540.2	540.4	540.6	540.8	541.0	541.2	541.4
152.5°	551.0	550.6	550.2	549.7	549.6	549.8	550.0	550.2	550.4	550.6	550.8
155°	564.4	563.8	563.2	562.5	562.4	562.5	562.8	562.9	563.2	563.5	563.8
157.5°	575.0	574.6	574.3	573.9	573.8	573.8	573.8	573.8	573.9	574.2	574.5
160°	582.0	581.4	580.7	580.2	580.0	580.0	580.1	580.2	580.4	580.7	581.1
162.5°	587.8	587.2	586.5	586.0	585.7	585.8	585.9	586.0	586.1	586.7	587.2
165°	595.6	594.9	594.4	593.7	593.5	593.6	593.7	593.8	593.9	594.5	595.1
167.5°	601.3	600.7	600.1	599.4	599.2	599.3	599.4	599.4	599.6	600.3	601.0
170°	604.5	603.8	603.1	602.4	602.1	602.1	602.3	602.4	602.5	603.2	604.1
172.5°	606.7	605.9	605.2	604.5	604.3	604.4	604.7	604.8	605.0	605.7	606.4
175°	609.1	608.5	607.9	607.3	607.0	607.1	607.3	607.4	607.4	608.2	609.0
177.5°	610.3	609.8	609.3	608.9	608.6	608.7	608.8	608.9	609.0	609.6	610.1
180°	609.7	609.7	609.7	609.7	609.7	609.7	609.7	609.7	609.7	609.7	609.7



TEST NUMBER: P333496-927

CATALOG NUMBER: S125RDIP-S375D590U927-4F0-1E-UDD-A

**CANDELA DISTRIBUTION (continued):**

	330°	335°	340°	345°	350°	355°	360°
0°	445.9	445.9	445.9	445.9	445.9	445.9	445.9
2.5°	465.4	465.4	467.9	467.7	469.4	468.7	469.1
5°	500.3	503.4	506.1	507.9	510.7	511.4	511.0
7.5°	536.5	543.4	546.7	551.4	552.2	554.6	554.4
10°	558.8	565.6	570.8	574.7	576.8	579.3	579.6
12.5°	576.4	582.2	586.7	590.4	592.9	593.7	594.1
15°	590.2	596.5	601.8	607.1	610.3	612.7	613.9
17.5°	604.0	613.9	623.2	630.4	634.8	638.4	638.4
20°	614.7	626.0	637.7	645.9	654.4	658.1	658.6
22.5°	626.1	643.4	658.5	671.3	682.4	686.2	687.6
25°	649.8	672.5	695.8	713.7	726.5	734.0	735.1
27.5°	678.5	709.2	733.6	750.2	760.8	766.4	767.6
30°	698.7	727.1	749.0	761.4	766.4	767.1	764.4
32.5°	707.7	729.0	737.8	737.0	727.3	720.9	718.4
35°	696.6	692.3	670.9	645.2	625.7	613.2	609.9
37.5°	634.0	596.1	556.7	518.0	497.4	486.9	468.9
40°	572.2	518.2	477.2	444.7	421.4	402.7	398.3
42.5°	502.5	446.7	405.8	377.9	359.3	346.5	340.9
45°	403.8	355.8	321.9	300.6	286.3	276.9	272.7
47.5°	323.0	285.8	261.2	245.3	234.4	226.3	224.0
50°	278.6	248.9	228.1	214.7	206.4	200.3	197.7
52.5°	242.0	218.0	202.0	191.0	183.2	179.4	177.2
55°	199.7	179.0	167.5	158.7	154.3	151.2	149.7
57.5°	163.3	148.4	140.0	133.9	129.8	127.9	127.1
60°	143.0	131.3	123.6	118.8	116.1	113.5	112.7
62.5°	124.9	115.7	109.8	105.6	102.9	101.8	101.3
65°	100.7	94.7	90.2	87.7	85.5	85.1	84.9
67.5°	80.0	76.4	74.1	71.5	70.7	69.5	69.2
70°	68.4	66.1	63.3	62.4	61.5	60.2	60.4
72.5°	58.1	55.7	53.8	52.6	52.3	51.7	52.2
75°	42.5	41.7	41.0	40.1	39.7	39.7	39.5
77.5°	30.3	29.7	28.9	28.4	28.2	27.5	27.7
80°	21.9	21.1	20.7	20.8	20.3	20.1	20.1
82.5°	16.2	15.9	15.5	15.6	15.4	15.3	15.4
85°	9.0	8.8	8.8	8.6	8.6	8.4	8.4
87.5°	5.0	5.2	5.0	4.9	5.0	5.1	5.4
90°	8.7	9.3	9.7	10.0	10.2	10.5	10.9
92.5°	8.7	9.3	9.6	9.7	9.8	10.0	10.1
95°	8.7	9.3	9.5	9.5	9.5	9.5	9.5
97.5°	13.7	10.9	9.5	9.5	9.5	9.5	9.5
100°	33.7	18.8	11.1	10.7	10.3	9.9	9.5
102.5°	91.8	89.0	84.2	77.3	70.5	63.7	56.9
105°	134.7	134.7	134.7	134.5	134.4	134.4	134.2
107.5°	170.6	170.6	170.4	170.2	169.8	169.5	169.2
110°	193.5	193.1	193.1	193.1	193.2	193.4	193.5



TEST NUMBER: P333496-927

CATALOG NUMBER: S125RDIP-S375D590U927-4F0-1E-UDD-A

**CANDELA DISTRIBUTION (continued):**

	330°	335°	340°	345°	350°	355°	360°
112.5°	216.3	215.9	215.7	215.6	215.4	215.3	215.2
115°	251.0	250.6	250.1	249.5	248.9	248.3	247.7
117.5°	284.3	283.8	283.4	283.2	282.9	282.7	282.4
120°	306.3	306.1	305.7	305.2	304.8	304.2	303.7
122.5°	326.9	326.7	326.3	325.7	325.1	324.6	324.0
125°	356.7	356.3	356.0	355.7	355.4	355.1	354.8
127.5°	384.4	384.2	383.7	382.9	382.2	381.5	380.7
130°	402.3	402.0	401.6	401.1	400.5	400.1	399.6
132.5°	419.2	419.2	418.9	418.4	417.9	417.4	416.9
135°	443.7	443.5	443.1	442.5	441.9	441.2	440.7
137.5°	466.8	466.8	466.6	466.1	465.6	465.1	464.5
140°	481.0	481.3	481.0	480.5	479.8	479.3	478.6
142.5°	494.6	494.7	494.4	493.8	493.2	492.6	492.0
145°	514.2	514.3	514.0	513.4	512.9	512.2	511.6
147.5°	530.9	531.0	530.7	530.0	529.3	528.5	527.8
150°	541.6	541.8	541.5	540.7	539.9	539.1	538.3
152.5°	551.0	551.2	551.0	550.2	549.5	548.7	548.0
155°	564.0	564.4	564.1	563.3	562.5	561.7	560.9
157.5°	574.8	575.1	574.9	574.1	573.2	572.4	571.6
160°	581.5	581.9	581.7	580.9	580.1	579.3	578.5
162.5°	587.8	588.4	588.2	587.3	586.5	585.6	584.6
165°	595.7	596.3	596.2	595.4	594.6	593.8	592.9
167.5°	601.7	602.5	602.4	601.5	600.6	599.7	598.7
170°	604.9	605.7	605.6	604.8	603.8	602.9	602.1
172.5°	607.2	607.9	607.8	606.9	606.0	605.1	604.2
175°	609.8	610.7	610.6	609.7	608.8	607.9	607.0
177.5°	610.7	611.2	611.2	610.5	609.9	609.3	608.6
180°	609.7	609.7	609.7	609.7	609.7	609.7	609.7

(END OF REPORT)