

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: P333124-930

Luminaire Tested: **S125DIP-S375D590U930-4F0-1E-UDD-A**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P333124-930
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: S125DIP-S375D590U930-4F0-1E-UDD-A
Description: DEFINE 5 DIRECT-INDIRECT PENDANT LED LUMINAIRE
DOWNLIGHT 375 LUMENS PER FOOT, ASYMMETRIC DIFFUSER
UPLIGHT 590 LUMENS PER FOOT, NO LENS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3180.7 lumens
Efficiency: N/A
Efficacy: 124.2 lumens/watt
Spacing Criteria (0/90/45): 1.43 / 1.23 / 1.52
Luminous Opening: Rectangular (W 4' x L: 0.42' x H: 0')
CIE Type: Semi-Indirect

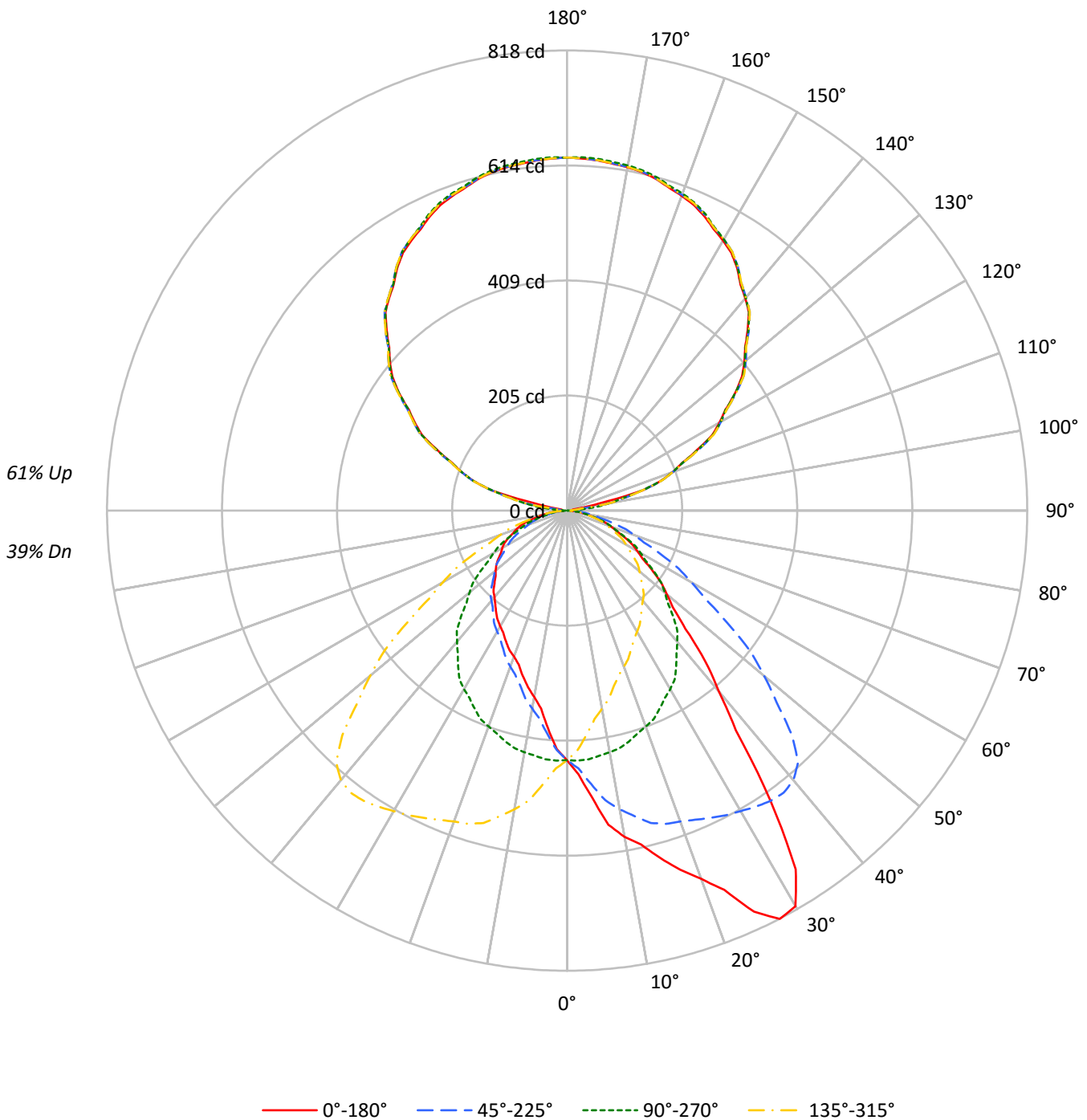
Input Watts (W): 25.6
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P333124-930

CATALOG NUMBER: S125DIP-S375D590U930-4F0-1E-UDD-A

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	105	105	105	105	95	95	95	95	77	77	77	61	61	61	46	46	46	39
1	96	91	88	84	87	83	80	77	68	66	64	54	53	51	41	40	40	34
2	87	80	74	69	79	73	68	64	60	56	53	48	45	43	37	35	34	28
3	80	70	63	58	72	64	58	53	53	48	45	42	39	37	32	30	29	24
4	73	62	55	49	66	57	50	45	47	42	38	38	34	31	29	27	25	21
5	67	55	48	42	61	51	44	39	42	37	33	34	30	27	26	24	22	18
6	61	50	42	36	56	46	39	34	38	33	29	31	27	24	24	21	19	16
7	57	45	37	32	52	41	34	29	34	29	25	28	24	21	22	19	17	14
8	53	41	33	28	48	37	31	26	31	26	22	25	22	19	20	17	15	13
9	49	37	30	25	45	34	28	23	29	23	20	23	19	17	18	16	14	11
10	46	34	27	22	42	31	25	21	26	21	18	21	18	15	17	14	12	10

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	2866	2866	2866	2866
5°	3319	2877	2519	2877
10°	3862	2861	2207	2861
15°	4275	2841	2035	2841
20°	4786	2808	1898	2808
25°	5606	2770	1831	2770
30°	6055	2732	1773	2732
35°	4978	2663	1735	2663
40°	3538	2566	1693	2566
45°	2719	2437	1669	2437
50°	2321	2275	1666	2275
55°	2066	2117	1680	2117
60°	1864	1944	1723	1944
65°	1722	1771	1768	1771
70°	1565	1590	1794	1590
75°	1382	1402	1777	1402
80°	1164	1142	1625	1142
85°	926	823	1312	823



TEST NUMBER: P333124-930

CATALOG NUMBER: S125DIP-S375D590U930-4F0-1E-UDD-A

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	42.7	1.3
10°-20°	127.2	4.0
20°-30°	206.6	6.5
30°-40°	252.0	7.9
40°-50°	229.2	7.2
50°-60°	182.6	5.7
60°-70°	127.2	4.0
70°-80°	67.8	2.1
80°-90°	18.4	0.6
90°-100°	22.8	0.7
100°-110°	140.5	4.4
110°-120°	254.9	8.0
120°-130°	327.1	10.3
130°-140°	351.8	11.1
140°-150°	330.3	10.4
150°-160°	267.1	8.4
160°-170°	172.8	5.4
170°-180°	59.6	1.9
0°-30°	376.5	11.8
0°-40°	628.5	19.8
0°-60°	1040.3	32.7
0°-90°	1253.8	39.4
90°-120°	418.2	13.1
90°-150°	1427.4	44.9
90°-180°	1927.0	60.6
0°-180°	3180.7	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	444	444	444	444	444	
5°	512	444	388	444	512	52
15°	639	425	304	425	639	183
25°	787	389	257	389	787	359
35°	631	338	220	338	631	386
45°	298	267	183	267	298	238
55°	184	188	149	188	184	165
65°	113	116	116	116	113	112
75°	55	56	71	56	55	60
85°	12	11	18	11	12	15
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	



TEST NUMBER: P333124-930

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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	443.8	443.8	443.8	443.8	443.8	443.8	443.8	443.8	443.8	443.8	443.8
2.5°	469.4	468.9	468.2	467.1	468.0	465.4	464.2	462.1	459.5	458.6	457.5
5°	512.0	513.0	514.0	510.0	510.4	507.7	501.7	496.8	492.8	487.7	484.1
7.5°	563.3	561.1	560.8	558.3	553.9	550.3	544.0	536.0	528.2	519.3	511.9
10°	588.9	589.1	587.4	584.4	579.7	576.3	568.0	560.1	550.5	539.2	531.1
12.5°	608.2	609.0	606.8	602.8	600.5	592.9	586.4	577.0	565.6	556.5	544.2
15°	639.4	637.3	635.9	630.7	626.8	618.9	608.5	598.7	586.3	574.8	563.3
17.5°	669.4	671.2	668.3	663.7	651.3	642.1	628.3	614.8	599.3	583.9	570.2
20°	696.3	697.8	693.5	685.3	670.7	661.5	643.2	625.8	608.0	588.2	573.1
22.5°	729.8	728.6	722.7	710.4	697.7	680.6	660.8	639.7	617.3	594.9	574.9
25°	786.7	778.8	775.2	759.9	743.2	718.1	691.0	660.1	632.3	602.7	577.1
27.5°	818.3	815.8	811.8	801.2	783.6	756.8	724.8	687.1	647.8	610.5	576.9
30°	812.0	812.4	812.7	809.3	798.0	777.9	746.0	705.6	658.8	616.8	578.0
32.5°	755.9	762.7	769.3	777.1	780.2	776.3	756.4	719.8	671.7	624.0	577.4
35°	631.4	633.6	654.8	676.0	704.6	726.8	741.7	725.5	685.0	630.1	576.7
37.5°	492.4	502.6	517.3	541.1	582.4	619.5	667.1	688.9	675.9	632.2	575.4
40°	419.7	429.2	438.8	463.1	497.9	542.7	596.8	642.9	653.7	625.8	570.8
42.5°	363.7	371.1	381.8	400.1	429.2	468.9	520.6	580.9	618.0	607.5	561.3
45°	297.7	302.4	310.6	325.1	346.3	377.3	422.9	488.9	546.3	565.3	538.8
47.5°	254.8	254.8	261.2	271.2	286.4	312.8	346.6	398.2	459.6	505.0	502.9
50°	231.0	230.0	235.1	243.8	255.8	273.4	305.6	346.8	405.8	457.2	471.6
52.5°	210.4	210.6	213.7	220.1	230.2	245.2	269.2	306.5	356.8	409.6	436.6
55°	183.5	182.7	186.3	190.6	198.0	207.8	225.1	253.6	294.5	346.4	381.5
57.5°	158.7	160.9	162.2	165.3	171.4	178.0	192.6	213.4	245.9	290.5	327.5
60°	144.3	146.3	147.5	150.5	155.4	161.1	172.4	189.3	216.6	255.1	291.8
62.5°	131.3	133.0	133.4	136.1	140.1	145.5	154.4	168.7	190.3	223.9	259.8
65°	112.7	112.7	113.4	116.3	118.1	123.0	129.8	140.1	157.5	183.7	214.4
67.5°	94.7	95.6	95.4	96.6	98.3	102.2	107.0	115.5	128.4	147.5	172.1
70°	82.9	83.6	83.5	84.4	86.3	88.7	92.7	100.8	110.0	126.4	147.5
72.5°	72.3	72.6	72.2	73.4	74.5	76.6	81.1	85.4	94.0	107.9	125.2
75°	55.4	55.8	56.2	56.9	58.0	59.2	61.4	65.7	71.4	81.8	92.9
77.5°	41.5	40.8	41.7	41.6	42.2	43.1	45.1	47.4	52.0	58.6	67.2
80°	31.3	31.5	31.5	31.6	32.6	33.2	34.8	36.5	40.1	45.0	51.0
82.5°	22.8	23.3	23.0	23.4	24.1	24.5	25.5	26.9	28.9	32.9	37.2
85°	12.5	11.5	11.9	12.2	12.2	12.5	13.2	13.8	14.9	16.4	18.1
87.5°	5.9	6.1	6.2	6.1	6.2	6.1	6.6	6.5	6.8	7.3	7.7
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



TEST NUMBER: P333124-930

CATALOG NUMBER: S125DIP-S375D590U930-4F0-1E-UDD-A

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



TEST NUMBER: P333124-930

CATALOG NUMBER: S125DIP-S375D590U930-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	443.8	443.8	443.8	443.8	443.8	443.8	443.8	443.8	443.8	443.8	443.8
2.5°	456.6	455.6	454.4	452.2	449.7	448.3	446.3	444.9	442.2	439.9	437.5
5°	479.8	474.9	470.4	464.6	458.2	454.0	449.1	443.7	438.0	432.2	425.7
7.5°	503.9	495.1	485.8	475.6	465.7	456.6	447.8	439.4	431.4	421.7	413.5
10°	519.9	509.0	497.3	483.6	470.2	458.5	446.7	436.3	425.7	414.5	404.5
12.5°	536.1	521.5	505.0	489.9	473.9	459.7	445.8	432.5	419.3	406.8	395.1
15°	547.5	534.7	519.4	497.9	479.8	460.4	442.0	424.9	408.8	394.8	380.2
17.5°	555.0	538.4	522.0	501.5	477.8	456.1	435.1	415.5	397.5	379.8	365.7
20°	556.3	539.3	522.2	502.1	477.8	452.9	431.9	408.5	389.1	370.7	353.4
22.5°	555.9	536.6	518.0	497.3	473.5	450.6	425.3	401.4	380.3	362.3	344.2
25°	551.6	531.1	507.7	486.8	463.4	439.1	413.5	388.7	367.2	346.7	328.7
27.5°	548.0	521.5	495.0	470.6	448.0	425.7	401.2	375.8	352.0	331.2	314.3
30°	543.7	514.5	484.7	459.3	436.1	414.5	391.3	366.4	341.5	321.2	303.1
32.5°	539.8	505.7	474.3	446.6	422.1	401.0	379.7	356.0	331.6	311.0	292.9
35°	532.2	492.8	456.8	425.6	399.4	377.7	359.8	337.8	315.4	295.4	278.1
37.5°	522.6	475.9	437.2	404.5	375.8	352.9	336.3	319.4	297.8	278.6	262.9
40°	515.0	463.8	422.9	389.4	359.6	335.9	320.4	304.4	286.6	268.6	252.1
42.5°	505.6	453.0	408.5	372.3	342.9	319.8	303.5	290.0	274.2	257.5	242.1
45°	488.1	433.3	385.1	346.3	316.5	293.7	277.0	266.8	254.9	239.0	226.1
47.5°	462.4	409.7	359.8	319.8	289.0	267.9	252.2	242.4	234.1	222.3	210.5
50°	439.7	392.1	341.5	301.8	271.1	249.8	235.3	226.4	219.3	210.3	200.2
52.5°	414.3	369.9	323.6	284.3	253.9	232.9	218.7	210.9	205.0	198.5	188.7
55°	373.7	336.1	293.1	255.8	227.8	207.2	194.8	188.0	183.1	178.2	172.2
57.5°	329.2	299.7	261.7	227.6	201.7	183.0	171.5	164.9	161.0	158.5	155.0
60°	297.8	272.6	239.9	208.7	183.5	166.9	155.6	150.5	147.3	145.3	142.6
62.5°	268.7	248.0	217.7	189.3	167.2	151.6	141.5	136.5	133.5	132.4	130.3
65°	225.9	209.9	184.8	161.3	142.4	129.1	120.6	115.9	114.0	112.8	113.0
67.5°	183.6	173.9	153.8	133.7	118.6	107.5	100.6	97.0	96.0	94.6	94.6
70°	157.8	150.5	133.5	116.0	102.6	94.0	88.0	84.2	83.2	82.5	82.3
72.5°	135.1	128.7	114.0	100.0	87.9	80.3	75.3	73.1	71.5	71.1	71.0
75°	101.5	98.0	86.3	75.2	66.9	61.6	58.2	56.2	55.0	54.8	55.0
77.5°	72.2	69.1	61.6	53.7	48.5	44.5	41.7	40.9	39.7	39.7	39.5
80°	54.2	52.2	47.5	41.3	36.9	33.5	32.0	30.7	30.3	29.8	30.3
82.5°	39.3	37.1	33.9	29.9	26.3	24.4	22.8	22.4	22.2	21.9	22.0
85°	19.4	19.6	17.7	14.7	13.2	12.1	11.1	11.1	10.9	10.8	10.9
87.5°	7.8	7.4	6.6	6.0	5.1	4.5	4.2	4.2	3.9	3.9	4.2
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: P333124-930

CATALOG NUMBER: S125DIP-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: P333124-930

CATALOG NUMBER: S125DIP-S375D590U930-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	443.8	443.8	443.8	443.8	443.8	443.8	443.8	443.8	443.8	443.8	443.8
2.5°	436.2	434.5	433.2	430.2	428.4	426.2	424.4	426.4	424.3	425.2	423.8
5°	422.6	417.3	413.5	408.1	403.3	399.0	395.8	395.3	393.7	393.0	390.7
7.5°	406.2	399.6	393.1	386.0	379.9	373.8	369.9	366.6	364.5	361.7	359.7
10°	396.6	387.7	380.2	371.5	363.9	357.3	352.1	349.4	347.0	343.4	342.1
12.5°	384.7	375.5	366.3	357.0	349.8	342.4	337.9	333.9	332.2	328.2	327.8
15°	370.4	356.6	347.6	338.2	328.2	322.1	318.4	314.1	312.2	309.3	307.3
17.5°	353.4	341.0	329.8	320.0	311.4	306.4	301.7	298.7	295.5	293.6	290.2
20°	341.0	329.3	318.0	307.6	301.0	295.2	291.5	288.6	285.2	284.3	280.9
22.5°	330.6	317.7	306.9	298.2	291.0	284.4	280.3	278.3	276.1	273.1	272.5
25°	313.6	300.3	291.1	282.4	276.0	269.9	267.2	264.7	262.4	260.3	259.6
27.5°	299.1	287.1	276.1	268.3	262.7	257.2	254.8	251.8	250.1	248.4	246.4
30°	288.8	276.5	266.9	259.4	253.4	248.5	245.8	243.8	242.3	240.8	239.6
32.5°	278.3	266.9	257.6	250.2	244.2	240.5	238.1	236.7	235.1	233.3	231.8
35°	264.3	251.8	242.8	236.4	231.7	228.9	226.2	224.9	223.1	223.1	221.5
37.5°	248.6	237.8	229.8	224.0	219.8	217.3	214.4	213.5	212.3	211.5	211.0
40°	239.3	229.3	221.8	215.9	211.4	209.3	207.0	205.5	204.8	203.8	203.5
42.5°	229.6	220.0	212.9	207.5	203.5	201.8	199.7	198.6	197.1	195.8	195.6
45°	214.9	205.7	199.1	194.8	191.4	189.3	188.0	185.7	185.0	183.5	183.3
47.5°	201.1	192.2	185.7	182.1	179.2	177.5	175.5	173.2	172.3	171.5	171.5
50°	190.6	182.5	176.5	173.2	170.3	167.9	165.8	164.3	163.7	163.7	164.1
52.5°	180.1	173.2	168.1	164.0	161.3	158.7	156.7	155.8	155.0	155.9	156.5
55°	164.7	157.7	153.9	149.9	147.3	144.3	143.3	143.0	142.4	143.9	144.7
57.5°	148.3	143.4	139.0	135.1	132.7	130.9	129.7	129.5	130.5	131.3	133.7
60°	137.9	132.2	128.3	125.3	122.5	121.3	120.9	120.6	121.3	123.4	126.6
62.5°	126.5	121.9	117.6	115.4	113.2	111.4	111.3	111.5	113.0	115.4	118.6
65°	109.7	105.7	102.9	100.2	98.5	97.4	97.8	98.5	100.2	103.5	107.0
67.5°	92.5	89.8	87.3	85.2	83.6	83.6	84.0	85.1	87.1	90.7	94.0
70°	81.6	78.6	76.5	75.6	74.2	73.5	74.6	76.5	78.2	81.6	84.4
72.5°	70.6	68.0	66.4	65.7	65.1	64.6	65.0	67.0	69.3	72.6	76.0
75°	54.2	53.3	52.2	51.4	50.9	51.3	51.6	53.5	55.4	58.9	62.7
77.5°	39.6	38.6	37.9	37.7	37.4	37.7	38.7	40.1	41.9	44.5	47.4
80°	29.9	29.6	29.2	29.0	29.0	29.2	30.7	31.6	33.3	35.8	38.1
82.5°	21.9	21.6	21.5	21.4	21.6	21.7	22.6	23.8	25.2	27.1	29.0
85°	11.5	11.1	11.7	11.9	11.5	12.1	12.5	13.2	13.8	14.7	15.7
87.5°	4.5	5.0	5.0	5.3	5.4	5.9	5.8	6.5	6.9	7.3	7.3
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: P333124-930

CATALOG NUMBER: S125DIP-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: P333124-930

CATALOG NUMBER: S125DIP-S375D590U930-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	443.8	443.8	443.8	443.8	443.8	443.8	443.8	443.8	443.8	443.8	443.8
2.5°	422.9	424.0	423.1	424.3	423.1	424.0	422.9	423.8	425.2	424.3	426.4
5°	389.8	388.1	389.2	388.5	389.2	388.1	389.8	390.7	393.0	393.7	395.3
7.5°	359.2	357.6	355.7	354.8	355.7	357.6	359.2	359.7	361.7	364.5	366.6
10°	340.1	337.9	337.8	336.5	337.8	337.9	340.1	342.1	343.4	347.0	349.4
12.5°	326.0	324.1	322.0	321.4	322.0	324.1	326.0	327.8	328.2	332.2	333.9
15°	306.1	304.6	303.3	304.4	303.3	304.6	306.1	307.3	309.3	312.2	314.1
17.5°	289.6	288.4	288.1	286.7	288.1	288.4	289.6	290.2	293.6	295.5	298.7
20°	279.2	278.3	278.7	276.1	278.7	278.3	279.2	280.9	284.3	285.2	288.6
22.5°	270.9	269.0	268.8	268.3	268.8	269.0	270.9	272.5	273.1	276.1	278.3
25°	257.9	257.0	256.0	257.0	256.0	257.0	257.9	259.6	260.3	262.4	264.7
27.5°	246.5	245.4	245.2	245.3	245.2	245.4	246.5	246.4	248.4	250.1	251.8
30°	239.6	237.7	237.9	237.7	237.9	237.7	239.6	239.6	240.8	242.3	243.8
32.5°	232.1	230.8	230.6	230.2	230.6	230.8	232.1	231.8	233.3	235.1	236.7
35°	220.9	220.9	220.0	220.0	220.0	220.9	220.9	221.5	223.1	223.1	224.9
37.5°	210.5	210.3	209.8	209.9	209.8	210.3	210.5	211.0	211.5	212.3	213.5
40°	202.7	202.5	201.9	200.8	201.9	202.5	202.7	203.5	203.8	204.8	205.5
42.5°	195.2	194.5	194.3	193.9	194.3	194.5	195.2	195.6	195.8	197.1	198.6
45°	183.3	183.3	183.0	182.7	183.0	183.3	183.3	183.3	183.5	185.0	185.7
47.5°	171.8	172.1	172.8	172.7	172.8	172.1	171.8	171.5	171.5	172.3	173.2
50°	164.9	165.0	165.6	165.8	165.6	165.0	164.9	164.1	163.7	163.7	164.3
52.5°	157.2	158.2	159.0	158.8	159.0	158.2	157.2	156.5	155.9	155.0	155.8
55°	146.3	147.7	149.0	149.2	149.0	147.7	146.3	144.7	143.9	142.4	143.0
57.5°	135.7	137.5	138.9	139.4	138.9	137.5	135.7	133.7	131.3	130.5	129.5
60°	128.5	130.9	132.6	133.4	132.6	130.9	128.5	126.6	123.4	121.3	120.6
62.5°	121.6	124.3	126.0	126.1	126.0	124.3	121.6	118.6	115.4	113.0	111.5
65°	110.2	113.0	114.5	115.7	114.5	113.0	110.2	107.0	103.5	100.2	98.5
67.5°	98.0	100.9	102.5	103.4	102.5	100.9	98.0	94.0	90.7	87.1	85.1
70°	89.1	92.0	94.2	95.0	94.2	92.0	89.1	84.4	81.6	78.2	76.5
72.5°	80.4	82.9	84.7	85.6	84.7	82.9	80.4	76.0	72.6	69.3	67.0
75°	65.1	68.6	70.3	71.2	70.3	68.6	65.1	62.7	58.9	55.4	53.5
77.5°	50.2	53.3	54.4	54.9	54.4	53.3	50.2	47.4	44.5	41.9	40.1
80°	40.3	42.2	43.5	43.7	43.5	42.2	40.3	38.1	35.8	33.3	31.6
82.5°	31.0	32.5	32.9	33.4	32.9	32.5	31.0	29.0	27.1	25.2	23.8
85°	17.0	17.7	17.9	17.7	17.9	17.7	17.0	15.7	14.7	13.8	13.2
87.5°	7.6	7.5	7.6	8.0	7.6	7.5	7.6	7.3	7.3	6.9	6.5
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: P333124-930

CATALOG NUMBER: S125DIP-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: P333124-930

CATALOG NUMBER: S125DIP-S375D590U930-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	443.8	443.8	443.8	443.8	443.8	443.8	443.8	443.8	443.8	443.8	443.8
2.5°	424.4	426.2	428.4	430.2	433.2	434.5	436.2	437.5	439.9	442.2	444.9
5°	395.8	399.0	403.3	408.1	413.5	417.3	422.6	425.7	432.2	438.0	443.7
7.5°	369.9	373.8	379.9	386.0	393.1	399.6	406.2	413.5	421.7	431.4	439.4
10°	352.1	357.3	363.9	371.5	380.2	387.7	396.6	404.5	414.5	425.7	436.3
12.5°	337.9	342.4	349.8	357.0	366.3	375.5	384.7	395.1	406.8	419.3	432.5
15°	318.4	322.1	328.2	338.2	347.6	356.6	370.4	380.2	394.8	408.8	424.9
17.5°	301.7	306.4	311.4	320.0	329.8	341.0	353.4	365.7	379.8	397.5	415.5
20°	291.5	295.2	301.0	307.6	318.0	329.3	341.0	353.4	370.7	389.1	408.5
22.5°	280.3	284.4	291.0	298.2	306.9	317.7	330.6	344.2	362.3	380.3	401.4
25°	267.2	269.9	276.0	282.4	291.1	300.3	313.6	328.7	346.7	367.2	388.7
27.5°	254.8	257.2	262.7	268.3	276.1	287.1	299.1	314.3	331.2	352.0	375.8
30°	245.8	248.5	253.4	259.4	266.9	276.5	288.8	303.1	321.2	341.5	366.4
32.5°	238.1	240.5	244.2	250.2	257.6	266.9	278.3	292.9	311.0	331.6	356.0
35°	226.2	228.9	231.7	236.4	242.8	251.8	264.3	278.1	295.4	315.4	337.8
37.5°	214.4	217.3	219.8	224.0	229.8	237.8	248.6	262.9	278.6	297.8	319.4
40°	207.0	209.3	211.4	215.9	221.8	229.3	239.3	252.1	268.6	286.6	304.4
42.5°	199.7	201.8	203.5	207.5	212.9	220.0	229.6	242.1	257.5	274.2	290.0
45°	188.0	189.3	191.4	194.8	199.1	205.7	214.9	226.1	239.0	254.9	266.8
47.5°	175.5	177.5	179.2	182.1	185.7	192.2	201.1	210.5	222.3	234.1	242.4
50°	165.8	167.9	170.3	173.2	176.5	182.5	190.6	200.2	210.3	219.3	226.4
52.5°	156.7	158.7	161.3	164.0	168.1	173.2	180.1	188.7	198.5	205.0	210.9
55°	143.3	144.3	147.3	149.9	153.9	157.7	164.7	172.2	178.2	183.1	188.0
57.5°	129.7	130.9	132.7	135.1	139.0	143.4	148.3	155.0	158.5	161.0	164.9
60°	120.9	121.3	122.5	125.3	128.3	132.2	137.9	142.6	145.3	147.3	150.5
62.5°	111.3	111.4	113.2	115.4	117.6	121.9	126.5	130.3	132.4	133.5	136.5
65°	97.8	97.4	98.5	100.2	102.9	105.7	109.7	113.0	112.8	114.0	115.9
67.5°	84.0	83.6	83.6	85.2	87.3	89.8	92.5	94.6	94.6	96.0	97.0
70°	74.6	73.5	74.2	75.6	76.5	78.6	81.6	82.3	82.5	83.2	84.2
72.5°	65.0	64.6	65.1	65.7	66.4	68.0	70.6	71.0	71.1	71.5	73.1
75°	51.6	51.3	50.9	51.4	52.2	53.3	54.2	55.0	54.8	55.0	56.2
77.5°	38.7	37.7	37.4	37.7	37.9	38.6	39.6	39.5	39.7	39.7	40.9
80°	30.7	29.2	29.0	29.0	29.2	29.6	29.9	30.3	29.8	30.3	30.7
82.5°	22.6	21.7	21.6	21.4	21.5	21.6	21.9	22.0	21.9	22.2	22.4
85°	12.5	12.1	11.5	11.9	11.7	11.1	11.5	10.9	10.8	10.9	11.1
87.5°	5.8	5.9	5.4	5.3	5.0	5.0	4.5	4.2	3.9	3.9	4.2
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: P333124-930

CATALOG NUMBER: S125DIP-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: P333124-930

CATALOG NUMBER: S125DIP-S375D590U930-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	443.8	443.8	443.8	443.8	443.8	443.8	443.8	443.8	443.8	443.8	443.8
2.5°	446.3	448.3	449.7	452.2	454.4	455.6	456.6	457.5	458.6	459.5	462.1
5°	449.1	454.0	458.2	464.6	470.4	474.9	479.8	484.1	487.7	492.8	496.8
7.5°	447.8	456.6	465.7	475.6	485.8	495.1	503.9	511.9	519.3	528.2	536.0
10°	446.7	458.5	470.2	483.6	497.3	509.0	519.9	531.1	539.2	550.5	560.1
12.5°	445.8	459.7	473.9	489.9	505.0	521.5	536.1	544.2	556.5	565.6	577.0
15°	442.0	460.4	479.8	497.9	519.4	534.7	547.5	563.3	574.8	586.3	598.7
17.5°	435.1	456.1	477.8	501.5	522.0	538.4	555.0	570.2	583.9	599.3	614.8
20°	431.9	452.9	477.8	502.1	522.2	539.3	556.3	573.1	588.2	608.0	625.8
22.5°	425.3	450.6	473.5	497.3	518.0	536.6	555.9	574.9	594.9	617.3	639.7
25°	413.5	439.1	463.4	486.8	507.7	531.1	551.6	577.1	602.7	632.3	660.1
27.5°	401.2	425.7	448.0	470.6	495.0	521.5	548.0	576.9	610.5	647.8	687.1
30°	391.3	414.5	436.1	459.3	484.7	514.5	543.7	578.0	616.8	658.8	705.6
32.5°	379.7	401.0	422.1	446.6	474.3	505.7	539.8	577.4	624.0	671.7	719.8
35°	359.8	377.7	399.4	425.6	456.8	492.8	532.2	576.7	630.1	685.0	725.5
37.5°	336.3	352.9	375.8	404.5	437.2	475.9	522.6	575.4	632.2	675.9	688.9
40°	320.4	335.9	359.6	389.4	422.9	463.8	515.0	570.8	625.8	653.7	642.9
42.5°	303.5	319.8	342.9	372.3	408.5	453.0	505.6	561.3	607.5	618.0	580.9
45°	277.0	293.7	316.5	346.3	385.1	433.3	488.1	538.8	565.3	546.3	488.9
47.5°	252.2	267.9	289.0	319.8	359.8	409.7	462.4	502.9	505.0	459.6	398.2
50°	235.3	249.8	271.1	301.8	341.5	392.1	439.7	471.6	457.2	405.8	346.8
52.5°	218.7	232.9	253.9	284.3	323.6	369.9	414.3	436.6	409.6	356.8	306.5
55°	194.8	207.2	227.8	255.8	293.1	336.1	373.7	381.5	346.4	294.5	253.6
57.5°	171.5	183.0	201.7	227.6	261.7	299.7	329.2	327.5	290.5	245.9	213.4
60°	155.6	166.9	183.5	208.7	239.9	272.6	297.8	291.8	255.1	216.6	189.3
62.5°	141.5	151.6	167.2	189.3	217.7	248.0	268.7	259.8	223.9	190.3	168.7
65°	120.6	129.1	142.4	161.3	184.8	209.9	225.9	214.4	183.7	157.5	140.1
67.5°	100.6	107.5	118.6	133.7	153.8	173.9	183.6	172.1	147.5	128.4	115.5
70°	88.0	94.0	102.6	116.0	133.5	150.5	157.8	147.5	126.4	110.0	100.8
72.5°	75.3	80.3	87.9	100.0	114.0	128.7	135.1	125.2	107.9	94.0	85.4
75°	58.2	61.6	66.9	75.2	86.3	98.0	101.5	92.9	81.8	71.4	65.7
77.5°	41.7	44.5	48.5	53.7	61.6	69.1	72.2	67.2	58.6	52.0	47.4
80°	32.0	33.5	36.9	41.3	47.5	52.2	54.2	51.0	45.0	40.1	36.5
82.5°	22.8	24.4	26.3	29.9	33.9	37.1	39.3	37.2	32.9	28.9	26.9
85°	11.1	12.1	13.2	14.7	17.7	19.6	19.4	18.1	16.4	14.9	13.8
87.5°	4.2	4.5	5.1	6.0	6.6	7.4	7.8	7.7	7.3	6.8	6.5
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: P333124-930

CATALOG NUMBER: S125DIP-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



TEST NUMBER: P333124-930

CATALOG NUMBER: S125DIP-S375D590U930-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	443.8	443.8	443.8	443.8	443.8	443.8	443.8
2.5°	464.2	465.4	468.0	467.1	468.2	468.9	469.4
5°	501.7	507.7	510.4	510.0	514.0	513.0	512.0
7.5°	544.0	550.3	553.9	558.3	560.8	561.1	563.3
10°	568.0	576.3	579.7	584.4	587.4	589.1	588.9
12.5°	586.4	592.9	600.5	602.8	606.8	609.0	608.2
15°	608.5	618.9	626.8	630.7	635.9	637.3	639.4
17.5°	628.3	642.1	651.3	663.7	668.3	671.2	669.4
20°	643.2	661.5	670.7	685.3	693.5	697.8	696.3
22.5°	660.8	680.6	697.7	710.4	722.7	728.6	729.8
25°	691.0	718.1	743.2	759.9	775.2	778.8	786.7
27.5°	724.8	756.8	783.6	801.2	811.8	815.8	818.3
30°	746.0	777.9	798.0	809.3	812.7	812.4	812.0
32.5°	756.4	776.3	780.2	777.1	769.3	762.7	755.9
35°	741.7	726.8	704.6	676.0	654.8	633.6	631.4
37.5°	667.1	619.5	582.4	541.1	517.3	502.6	492.4
40°	596.8	542.7	497.9	463.1	438.8	429.2	419.7
42.5°	520.6	468.9	429.2	400.1	381.8	371.1	363.7
45°	422.9	377.3	346.3	325.1	310.6	302.4	297.7
47.5°	346.6	312.8	286.4	271.2	261.2	254.8	254.8
50°	305.6	273.4	255.8	243.8	235.1	230.0	231.0
52.5°	269.2	245.2	230.2	220.1	213.7	210.6	210.4
55°	225.1	207.8	198.0	190.6	186.3	182.7	183.5
57.5°	192.6	178.0	171.4	165.3	162.2	160.9	158.7
60°	172.4	161.1	155.4	150.5	147.5	146.3	144.3
62.5°	154.4	145.5	140.1	136.1	133.4	133.0	131.3
65°	129.8	123.0	118.1	116.3	113.4	112.7	112.7
67.5°	107.0	102.2	98.3	96.6	95.4	95.6	94.7
70°	92.7	88.7	86.3	84.4	83.5	83.6	82.9
72.5°	81.1	76.6	74.5	73.4	72.2	72.6	72.3
75°	61.4	59.2	58.0	56.9	56.2	55.8	55.4
77.5°	45.1	43.1	42.2	41.6	41.7	40.8	41.5
80°	34.8	33.2	32.6	31.6	31.5	31.5	31.3
82.5°	25.5	24.5	24.1	23.4	23.0	23.3	22.8
85°	13.2	12.5	12.2	12.2	11.9	11.5	12.5
87.5°	6.6	6.1	6.2	6.1	6.2	6.1	5.9
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: P333124-930

CATALOG NUMBER: S125DIP-S375D590U930-4F0-1E-UDD-A

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)