

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: P333126-935

Luminaire Tested: **S125DIP-S375D590U935-4F0-1E-UDD-A4**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P333126-935
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1807-864-19,
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: NEO-RAY
Catalog Number: S125DIP-S375D590U935-4F0-1E-UDD-A4
Description: DEFINE 5 DIRECT-INDIRECT PENDANT LED LUMINAIRE
DOWNLIGHT 375 LUMENS PER FOOT, ASYMMETRIC DIFFUSER
UPLIGHT 590 LUMENS PER FOOT, BATWING OPTIC
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3150.9 lumens
Efficiency: N/A
Efficacy: 123.1 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: General Diffuse

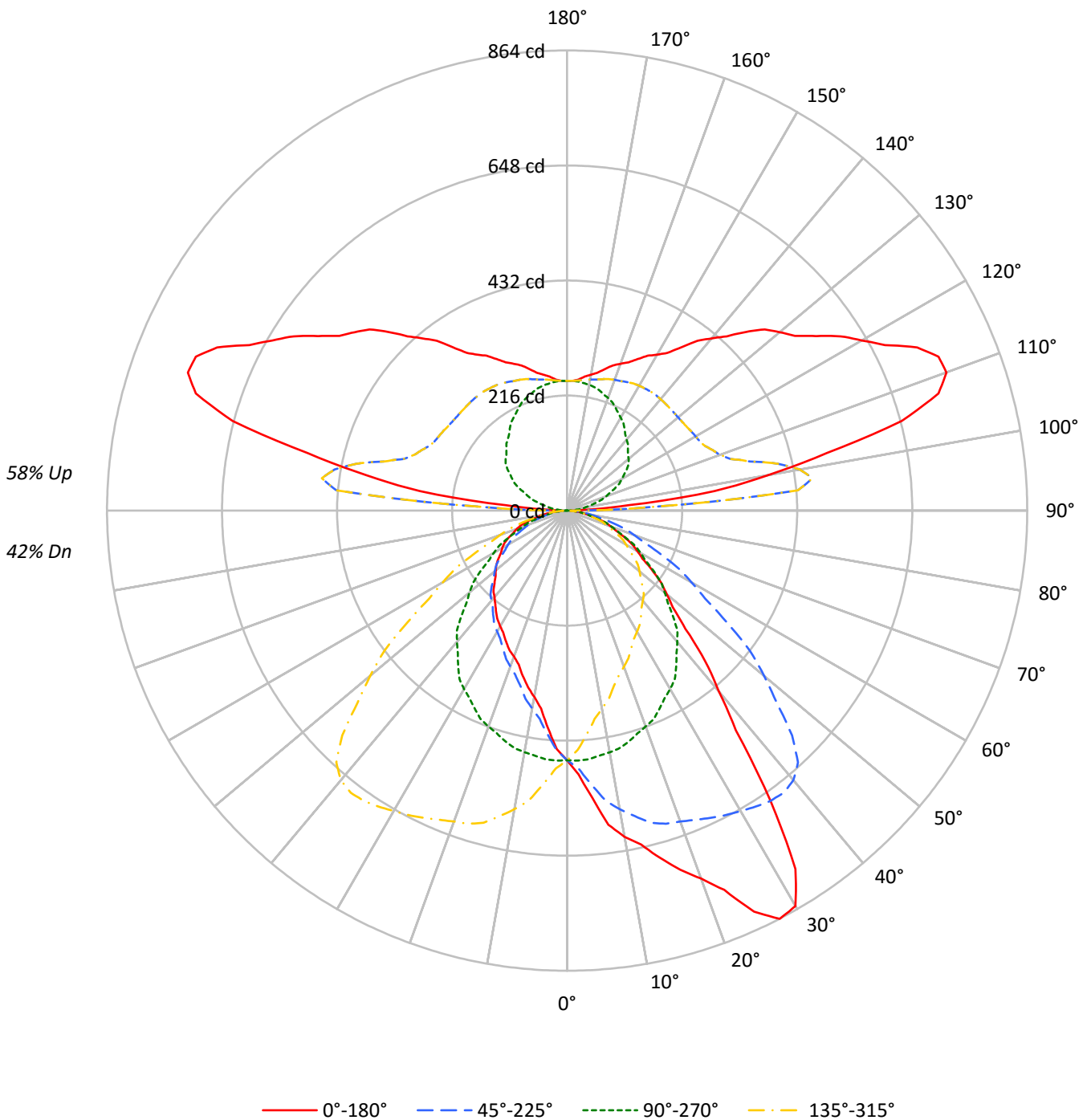
Input Watts (W): 25.6
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	105	105	105	105	96	96	96	96	79	79	79	63	63	63	49	49	49	42
1	96	92	88	85	88	84	81	78	69	67	65	56	54	53	43	42	42	36
2	88	81	75	70	80	74	69	64	61	57	54	49	47	44	38	37	35	30
3	80	71	64	58	73	65	59	54	54	49	46	44	40	38	34	32	30	26
4	73	63	55	49	67	58	51	46	48	43	39	39	35	32	31	28	26	22
5	67	56	48	42	61	51	44	39	43	38	34	35	31	28	28	25	23	19
6	62	50	42	36	56	46	39	34	39	33	29	32	28	25	25	22	20	17
7	57	45	37	32	52	42	35	30	35	30	26	29	25	22	23	20	18	15
8	53	41	33	28	48	38	31	26	32	27	23	26	22	19	21	18	16	14
9	49	37	30	25	45	35	28	23	29	24	20	24	20	17	19	16	14	12
10	46	34	27	22	42	32	25	21	27	22	18	22	18	16	18	15	13	11

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	3027	3027	3027	3027
5°	3505	3038	2660	3038
10°	4078	3022	2330	3022
15°	4515	3000	2150	3000
20°	5054	2965	2004	2965
25°	5920	2925	1934	2925
30°	6395	2885	1873	2885
35°	5257	2812	1832	2812
40°	3737	2710	1788	2710
45°	2872	2573	1763	2573
50°	2451	2402	1758	2402
55°	2182	2235	1775	2235
60°	1969	2052	1820	2052
65°	1819	1869	1867	1869
70°	1654	1679	1894	1679
75°	1460	1480	1876	1480
80°	1231	1209	1715	1209
85°	978	867	1386	867



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	45.1	1.4
10°-20°	134.4	4.3
20°-30°	218.2	6.9
30°-40°	266.1	8.4
40°-50°	242.1	7.7
50°-60°	192.8	6.1
60°-70°	134.3	4.3
70°-80°	71.6	2.3
80°-90°	19.4	0.6
90°-100°	176.6	5.6
100°-110°	379.6	12.0
110°-120°	356.2	11.3
120°-130°	288.7	9.2
130°-140°	231.7	7.4
140°-150°	174.8	5.5
150°-160°	123.1	3.9
160°-170°	72.5	2.3
170°-180°	23.6	0.7
0°-30°	397.6	12.6
0°-40°	663.7	21.1
0°-60°	1098.7	34.9
0°-90°	1324.0	42.0
90°-120°	912.4	29.0
90°-150°	1607.6	51.0
90°-180°	1827.0	58.0
0°-180°	3150.9	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	469	469	469	469	469	
5°	541	469	410	469	541	54
15°	675	449	322	449	675	193
25°	831	410	271	410	831	379
35°	667	357	232	357	667	408
45°	314	282	193	282	314	252
55°	194	198	158	198	194	174
65°	119	122	122	122	119	118
75°	58	59	75	59	58	63
85°	13	12	19	12	13	15
90°	11	0	11	0	11	8
95°	116	16	116	16	116	164
105°	651	56	651	56	651	647
115°	725	99	725	99	725	708
125°	571	138	571	138	571	517
135°	474	161	474	161	474	368
145°	374	188	374	188	374	238
155°	314	214	314	214	314	146
165°	275	234	275	234	275	79
175°	247	243	247	243	247	24
180°	244	244	244	244	244	



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	468.7	468.7	468.7	468.7	468.7	468.7	468.7	468.7	468.7	468.7	468.7
2.5°	495.8	495.2	494.5	493.3	494.2	491.5	490.3	488.0	485.3	484.3	483.2
5°	540.7	541.7	542.8	538.6	539.0	536.1	529.8	524.6	520.5	515.1	511.3
7.5°	594.9	592.5	592.3	589.6	585.0	581.2	574.5	566.0	557.8	548.4	540.6
10°	621.9	622.2	620.4	617.2	612.2	608.6	599.9	591.5	581.3	569.4	560.9
12.5°	642.3	643.2	640.8	636.5	634.1	626.1	619.2	609.3	597.3	587.7	574.7
15°	675.2	673.0	671.5	666.1	661.9	653.6	642.7	632.2	619.1	607.0	594.9
17.5°	707.0	708.8	705.8	700.9	687.9	678.1	663.5	649.3	632.9	616.6	602.2
20°	735.3	736.9	732.4	723.8	708.3	698.5	679.2	660.9	642.0	621.1	605.2
22.5°	770.7	769.4	763.2	750.2	736.8	718.8	697.8	675.5	651.9	628.3	607.1
25°	830.8	822.4	818.6	802.5	784.9	758.4	729.8	697.2	667.7	636.5	609.4
27.5°	864.2	861.5	857.3	846.1	827.5	799.2	765.4	725.7	684.2	644.7	609.2
30°	857.5	857.9	858.2	854.7	842.7	821.5	787.8	745.1	695.7	651.3	610.4
32.5°	798.2	805.5	812.4	820.6	824.0	819.8	798.8	760.2	709.4	659.0	609.8
35°	666.8	669.1	691.6	713.9	744.1	767.6	783.3	766.1	723.4	665.5	609.0
37.5°	520.0	530.7	546.3	571.4	615.1	654.2	704.5	727.5	713.8	667.6	607.6
40°	443.2	453.2	463.4	489.0	525.8	573.2	630.3	679.0	690.3	660.9	602.8
42.5°	384.1	391.9	403.2	422.5	453.2	495.2	549.7	613.5	652.6	641.5	592.8
45°	314.4	319.3	328.0	343.4	365.7	398.5	446.6	516.3	577.0	597.0	569.0
47.5°	269.1	269.1	275.9	286.4	302.5	330.4	366.0	420.5	485.3	533.3	531.1
50°	243.9	242.9	248.3	257.4	270.2	288.7	322.7	366.3	428.5	482.8	498.0
52.5°	222.2	222.4	225.7	232.5	243.1	258.9	284.3	323.6	376.8	432.6	461.1
55°	193.8	193.0	196.7	201.3	209.1	219.5	237.7	267.8	311.0	365.8	402.9
57.5°	167.6	169.9	171.3	174.5	181.0	188.0	203.4	225.4	259.7	306.8	345.9
60°	152.4	154.5	155.8	158.9	164.1	170.1	182.0	199.9	228.8	269.4	308.2
62.5°	138.7	140.4	140.9	143.7	147.9	153.7	163.1	178.1	201.0	236.4	274.4
65°	119.0	119.0	119.8	122.8	124.8	129.9	137.1	148.0	166.3	194.0	226.4
67.5°	100.0	100.9	100.7	102.0	103.8	107.9	113.0	122.0	135.6	155.8	181.8
70°	87.6	88.3	88.2	89.1	91.1	93.7	97.9	106.4	116.1	133.5	155.8
72.5°	76.4	76.7	76.2	77.5	78.7	80.9	85.7	90.2	99.3	113.9	132.2
75°	58.5	58.9	59.3	60.1	61.3	62.5	64.8	69.4	75.4	86.4	98.1
77.5°	43.8	43.0	44.1	43.9	44.6	45.5	47.6	50.0	54.9	61.9	70.9
80°	33.1	33.2	33.2	33.4	34.4	35.0	36.8	38.6	42.4	47.5	53.9
82.5°	24.1	24.6	24.3	24.7	25.5	25.9	26.9	28.4	30.6	34.7	39.3
85°	13.2	12.1	12.6	12.9	12.9	13.2	13.9	14.6	15.8	17.3	19.1
87.5°	6.1	6.4	6.5	6.5	6.6	6.5	7.0	6.9	7.2	7.6	8.1
90°	11.3	11.3	10.8	10.8	10.8	9.8	9.3	8.9	8.4	7.8	6.9
92.5°	31.3	32.1	32.8	34.0	40.3	47.5	63.2	87.0	128.2	158.3	160.9
95°	115.5	123.3	127.2	142.0	176.8	218.1	278.4	353.1	425.9	435.1	355.1
97.5°	279.0	285.2	299.5	327.0	357.3	414.7	473.6	525.9	538.8	464.7	317.1
100°	383.1	391.0	409.1	444.4	478.4	529.4	580.1	604.1	566.3	443.5	282.9
102.5°	499.4	505.3	525.0	550.2	586.4	621.0	645.2	630.4	549.7	406.1	256.9
105°	650.7	656.7	666.5	682.7	698.4	703.8	682.2	614.9	497.1	356.1	231.8
107.5°	731.1	735.0	738.3	738.4	730.4	704.8	649.3	559.5	443.2	321.6	221.2
110°	757.9	757.9	754.4	745.0	723.0	681.2	612.0	518.7	412.6	305.5	218.1



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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	754.7	751.1	742.6	726.6	694.3	645.1	575.1	486.5	389.8	296.1	218.1
115°	725.0	718.5	704.8	681.2	642.9	589.4	522.1	445.9	364.9	285.9	219.6
117.5°	672.8	668.8	655.2	630.9	592.5	543.4	485.4	419.8	350.1	280.9	222.7
120°	638.9	635.1	621.8	598.2	561.9	518.7	464.6	405.7	341.8	278.4	225.9
122.5°	609.1	605.5	592.3	570.7	538.3	497.8	449.7	395.1	334.8	276.6	228.7
125°	571.2	566.3	555.5	535.4	507.8	472.5	429.7	379.6	325.1	274.1	233.3
127.5°	538.8	536.6	526.4	508.6	483.7	450.6	410.7	363.9	316.3	272.9	238.5
130°	521.1	518.1	508.3	492.1	467.5	435.7	397.4	354.1	310.4	272.1	241.7
132.5°	503.4	500.1	491.0	474.8	450.3	419.6	384.8	344.3	305.7	272.1	245.2
135°	474.4	471.5	462.6	446.4	424.8	396.8	365.4	331.5	300.1	272.1	249.9
137.5°	443.5	440.2	432.1	417.3	398.0	374.3	348.1	320.7	295.1	272.7	254.4
140°	421.9	419.4	412.1	399.3	381.2	360.5	337.9	314.8	292.7	273.1	256.4
142.5°	401.8	399.8	392.8	382.0	366.6	348.7	329.2	309.7	290.8	273.5	257.5
145°	374.3	372.3	366.9	358.5	346.7	333.5	318.2	303.1	287.8	273.1	258.8
147.5°	350.9	350.0	346.8	340.2	330.8	320.8	309.1	296.8	284.7	271.8	259.3
150°	337.9	337.4	335.4	329.6	322.2	313.3	304.0	293.2	282.4	270.6	259.3
152.5°	327.7	327.2	325.2	320.6	314.4	307.5	298.9	289.3	279.7	269.1	258.9
155°	313.8	313.3	311.9	308.4	303.5	298.1	291.3	283.4	275.0	266.2	257.9
157.5°	301.4	301.5	300.1	297.3	293.5	289.3	284.0	277.5	270.7	263.2	256.6
160°	293.2	293.7	292.7	290.2	286.8	283.4	278.4	273.5	267.2	261.3	255.4
162.5°	285.8	285.9	285.7	283.6	280.9	277.8	273.8	269.2	264.1	258.9	254.3
165°	275.0	275.0	275.0	274.1	272.1	269.7	266.7	263.2	259.3	255.4	252.4
167.5°	265.2	265.3	265.7	264.8	263.8	262.1	259.8	257.5	254.7	251.9	249.7
170°	259.3	259.8	259.8	259.3	258.3	257.4	255.9	254.4	251.9	249.9	248.5
172.5°	253.8	254.3	255.1	254.3	254.0	253.4	252.4	250.9	249.2	247.6	246.9
175°	247.0	247.5	248.5	248.1	248.1	248.1	247.0	247.0	245.6	245.0	245.0
177.5°	243.6	243.6	244.8	244.4	244.8	244.8	244.8	244.4	244.0	243.6	243.6
180°	243.6	243.6	243.6	243.6	243.6	243.6	243.6	243.6	243.6	243.6	243.6



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CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	468.7	468.7	468.7	468.7	468.7	468.7	468.7	468.7	468.7	468.7	468.7
2.5°	482.2	481.1	479.8	477.6	474.9	473.5	471.3	469.8	467.0	464.6	462.0
5°	506.7	501.5	496.8	490.6	483.9	479.5	474.3	468.6	462.5	456.4	449.6
7.5°	532.1	522.9	513.0	502.3	491.8	482.2	472.9	464.0	455.6	445.3	436.7
10°	549.1	537.5	525.2	510.7	496.5	484.2	471.7	460.8	449.6	437.7	427.1
12.5°	566.1	550.8	533.3	517.4	500.4	485.5	470.8	456.8	442.8	429.6	417.2
15°	578.2	564.6	548.5	525.8	506.7	486.2	466.7	448.7	431.7	417.0	401.5
17.5°	586.1	568.6	551.3	529.6	504.5	481.6	459.5	438.8	419.7	401.1	386.2
20°	587.5	569.6	551.5	530.2	504.5	478.3	456.2	431.4	410.9	391.5	373.2
22.5°	587.0	566.7	547.0	525.1	500.1	475.9	449.2	423.9	401.6	382.6	363.5
25°	582.6	560.9	536.1	514.1	489.4	463.7	436.7	410.4	387.8	366.1	347.2
27.5°	578.8	550.7	522.7	497.0	473.1	449.6	423.7	396.8	371.7	349.7	331.9
30°	574.2	543.3	511.9	485.0	460.5	437.7	413.2	386.9	360.7	339.2	320.1
32.5°	570.1	534.1	500.9	471.7	445.7	423.5	401.0	376.0	350.2	328.4	309.3
35°	562.1	520.5	482.4	449.4	421.8	398.9	380.0	356.7	333.0	311.9	293.7
37.5°	551.9	502.6	461.8	427.1	396.8	372.7	355.2	337.3	314.5	294.2	277.7
40°	543.9	489.8	446.6	411.2	379.8	354.7	338.4	321.5	302.6	283.7	266.2
42.5°	533.9	478.4	431.4	393.2	362.1	337.7	320.6	306.3	289.6	271.9	255.7
45°	515.5	457.6	406.7	365.7	334.2	310.1	292.5	281.7	269.1	252.4	238.8
47.5°	488.4	432.7	380.0	337.7	305.2	282.9	266.3	256.0	247.2	234.8	222.3
50°	464.3	414.1	360.7	318.7	286.3	263.8	248.5	239.1	231.6	222.1	211.5
52.5°	437.5	390.6	341.7	300.2	268.1	246.0	231.0	222.7	216.5	209.7	199.2
55°	394.7	354.9	309.5	270.2	240.6	218.9	205.7	198.5	193.4	188.2	181.8
57.5°	347.7	316.5	276.4	240.3	213.0	193.3	181.1	174.1	170.0	167.4	163.7
60°	314.5	287.9	253.3	220.4	193.8	176.2	164.4	158.9	155.6	153.4	150.6
62.5°	283.8	261.9	229.9	199.9	176.6	160.1	149.4	144.1	140.9	139.8	137.6
65°	238.6	221.6	195.2	170.3	150.4	136.3	127.3	122.3	120.4	119.2	119.3
67.5°	193.9	183.7	162.4	141.2	125.3	113.5	106.2	102.5	101.4	99.9	99.9
70°	166.7	158.9	141.0	122.5	108.4	99.3	92.9	88.9	87.9	87.1	87.0
72.5°	142.7	135.9	120.4	105.6	92.8	84.8	79.6	77.1	75.5	75.1	75.0
75°	107.2	103.5	91.1	79.4	70.6	65.1	61.5	59.3	58.1	57.9	58.1
77.5°	76.2	72.9	65.1	56.7	51.2	47.0	44.0	43.2	41.9	41.9	41.8
80°	57.3	55.1	50.1	43.6	39.0	35.4	33.8	32.5	32.0	31.4	32.0
82.5°	41.5	39.2	35.8	31.6	27.8	25.7	24.1	23.7	23.4	23.2	23.2
85°	20.5	20.7	18.7	15.5	13.9	12.7	11.7	11.7	11.5	11.4	11.5
87.5°	8.3	7.7	7.1	6.4	5.3	4.6	4.3	4.4	4.0	4.0	4.4
90°	6.4	5.4	4.9	4.0	2.9	2.0	0.9	0.5	0.9	2.0	2.9
92.5°	112.1	67.1	40.3	25.9	17.5	11.4	7.2	6.0	7.2	11.4	17.5
95°	219.6	111.5	59.0	36.9	26.0	20.7	16.7	16.2	16.7	20.7	26.0
97.5°	175.2	96.1	61.3	45.4	35.6	30.2	27.5	26.9	27.5	30.2	35.6
100°	159.1	95.3	66.8	52.1	42.7	37.4	35.4	34.4	35.4	37.4	42.7
102.5°	152.5	98.8	73.4	59.2	50.6	44.8	43.2	42.6	43.2	44.8	50.6
105°	149.8	106.1	84.5	70.7	62.9	57.9	55.5	55.5	55.5	57.9	62.9
107.5°	154.3	116.9	96.0	83.6	75.4	71.4	69.1	68.1	69.1	71.4	75.4
110°	158.6	124.8	104.6	91.9	84.5	80.1	78.1	77.1	78.1	80.1	84.5



TEST NUMBER: P333126-935

CATALOG NUMBER: S125DIP-S375D590U935-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	164.1	132.2	112.9	100.5	93.2	88.7	87.1	86.2	87.1	88.7	93.2
115°	172.4	143.9	125.7	113.5	106.1	101.7	100.2	99.2	100.2	101.7	106.1
117.5°	181.8	155.9	138.7	126.8	118.5	114.1	112.4	111.0	112.4	114.1	118.5
120°	188.1	164.5	147.3	135.1	126.7	122.3	120.4	118.8	120.4	122.3	126.7
122.5°	195.2	172.8	155.6	143.4	134.1	129.8	128.2	127.1	128.2	129.8	134.1
125°	204.8	183.7	167.5	154.7	145.3	140.9	138.5	137.5	138.5	140.9	145.3
127.5°	213.6	194.2	178.6	165.8	155.9	150.3	147.1	145.7	147.1	150.3	155.9
130°	219.6	200.9	185.6	172.9	162.6	156.2	152.2	150.8	152.2	156.2	162.6
132.5°	224.6	207.2	191.9	179.2	168.5	161.3	156.6	154.7	156.6	161.3	168.5
135°	231.8	215.6	200.4	187.1	176.8	168.9	163.1	161.1	163.1	168.9	176.8
137.5°	237.1	221.6	207.8	194.1	184.0	176.2	170.7	169.2	170.7	176.2	184.0
140°	240.6	225.9	211.7	198.5	189.1	181.2	175.3	173.8	175.3	181.2	189.1
142.5°	242.6	228.7	215.2	202.8	193.8	186.0	180.5	179.3	180.5	186.0	193.8
145°	245.6	233.3	220.5	209.2	200.4	193.5	188.6	187.6	188.6	193.5	200.4
147.5°	247.4	236.3	225.1	215.1	207.4	201.0	196.8	196.2	196.8	201.0	207.4
150°	248.5	238.2	227.4	219.0	212.2	205.8	202.3	201.4	202.3	205.8	212.2
152.5°	249.3	240.1	230.1	222.6	216.1	210.5	207.4	206.9	207.4	210.5	216.1
155°	249.9	242.1	233.8	226.9	222.0	217.1	214.1	214.1	214.1	217.1	222.0
157.5°	250.5	243.8	236.6	231.4	227.1	222.9	220.5	220.6	220.5	222.9	227.1
160°	250.5	244.6	238.2	233.8	229.9	226.4	224.5	225.0	224.5	226.4	229.9
162.5°	250.1	245.4	239.8	236.2	233.0	230.0	228.0	228.5	228.0	230.0	233.0
165°	249.5	245.6	241.7	238.7	236.7	234.3	232.8	233.8	232.8	234.3	236.7
167.5°	248.3	245.6	242.3	240.5	239.1	237.7	236.9	237.3	236.9	237.7	239.1
170°	247.5	245.6	243.1	241.7	240.6	239.7	239.2	239.7	239.2	239.7	240.6
172.5°	246.8	245.2	243.1	242.5	241.9	240.8	240.4	241.3	240.4	240.8	241.9
175°	245.6	244.6	243.1	243.1	243.1	242.6	242.1	243.1	242.1	242.6	243.1
177.5°	244.4	244.0	243.2	243.2	243.6	243.2	243.2	244.0	243.2	243.2	243.6
180°	243.6	243.6	243.6	243.6	243.6	243.6	243.6	243.6	243.6	243.6	243.6



TEST NUMBER: P333126-935

CATALOG NUMBER: S125DIP-S375D590U935-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	468.7	468.7	468.7	468.7	468.7	468.7	468.7	468.7	468.7	468.7	468.7
2.5°	460.6	458.8	457.4	454.3	452.5	450.1	448.2	450.3	448.1	449.0	447.5
5°	446.3	440.7	436.7	430.9	425.9	421.4	418.0	417.4	415.8	415.0	412.6
7.5°	429.0	422.0	415.2	407.6	401.2	394.8	390.6	387.2	385.0	381.9	379.9
10°	418.8	409.4	401.5	392.4	384.4	377.4	371.9	369.0	366.4	362.7	361.3
12.5°	406.2	396.6	386.8	377.0	369.4	361.6	356.9	352.7	350.9	346.6	346.2
15°	391.2	376.6	367.0	357.1	346.6	340.2	336.2	331.7	329.7	326.7	324.5
17.5°	373.2	360.2	348.3	337.9	328.9	323.6	318.6	315.5	312.0	310.0	306.5
20°	360.1	347.8	335.8	324.9	317.9	311.8	307.8	304.8	301.2	300.2	296.6
22.5°	349.1	335.5	324.1	314.9	307.3	300.3	296.0	293.9	291.5	288.4	287.7
25°	331.2	317.1	307.4	298.3	291.4	285.1	282.1	279.6	277.2	274.9	274.1
27.5°	315.8	303.2	291.6	283.4	277.4	271.6	269.1	265.9	264.2	262.3	260.2
30°	305.0	292.1	281.9	274.0	267.6	262.4	259.6	257.4	255.9	254.3	253.0
32.5°	293.9	281.9	272.1	264.2	257.9	254.0	251.5	249.9	248.2	246.3	244.8
35°	279.1	266.0	256.4	249.7	244.7	241.7	238.9	237.5	235.6	235.6	233.9
37.5°	262.5	251.2	242.7	236.6	232.1	229.5	226.4	225.5	224.2	223.3	222.8
40°	252.7	242.1	234.2	228.0	223.3	221.0	218.6	217.1	216.3	215.2	214.9
42.5°	242.5	232.4	224.8	219.1	214.9	213.1	210.9	209.7	208.1	206.8	206.6
45°	227.0	217.2	210.3	205.7	202.2	199.9	198.5	196.1	195.4	193.8	193.6
47.5°	212.3	202.9	196.1	192.3	189.2	187.4	185.3	182.9	181.9	181.2	181.1
50°	201.3	192.8	186.4	182.9	179.9	177.3	175.0	173.5	172.9	172.9	173.3
52.5°	190.2	182.9	177.5	173.1	170.3	167.6	165.5	164.5	163.7	164.6	165.3
55°	173.9	166.5	162.6	158.3	155.6	152.4	151.4	151.0	150.4	152.0	152.8
57.5°	156.6	151.4	146.8	142.7	140.2	138.3	137.0	136.7	137.8	138.6	141.2
60°	145.6	139.7	135.5	132.3	129.3	128.1	127.7	127.3	128.1	130.3	133.7
62.5°	133.5	128.7	124.2	121.8	119.6	117.6	117.5	117.8	119.3	121.9	125.3
65°	115.8	111.6	108.7	105.8	104.0	102.9	103.2	104.0	105.8	109.3	113.0
67.5°	97.7	94.9	92.2	90.0	88.3	88.3	88.7	89.9	92.0	95.8	99.3
70°	86.2	83.0	80.8	79.8	78.4	77.6	78.8	80.8	82.6	86.2	89.1
72.5°	74.6	71.8	70.1	69.4	68.8	68.2	68.6	70.8	73.2	76.7	80.2
75°	57.3	56.3	55.1	54.3	53.7	54.2	54.5	56.5	58.5	62.3	66.2
77.5°	41.8	40.8	40.0	39.9	39.5	39.8	40.9	42.4	44.3	47.0	50.0
80°	31.6	31.3	30.8	30.7	30.7	30.8	32.5	33.4	35.2	37.8	40.2
82.5°	23.1	22.8	22.7	22.6	22.8	22.9	23.8	25.1	26.6	28.6	30.7
85°	12.1	11.7	12.3	12.6	12.1	12.7	13.2	13.9	14.6	15.5	16.5
87.5°	4.7	5.3	5.3	5.6	5.7	6.2	6.1	6.9	7.3	7.7	7.7
90°	4.0	4.9	5.4	6.4	6.9	7.8	8.4	8.9	9.3	9.8	10.8
92.5°	25.9	40.3	67.1	112.1	160.9	158.3	128.2	87.0	63.2	47.5	40.3
95°	36.9	59.0	111.5	219.6	355.1	435.1	425.9	353.1	278.4	218.1	176.8
97.5°	45.4	61.3	96.1	175.2	317.1	464.7	538.8	525.9	473.6	414.7	357.3
100°	52.1	66.8	95.3	159.1	282.9	443.5	566.3	604.1	580.1	529.4	478.4
102.5°	59.2	73.4	98.8	152.5	256.9	406.1	549.7	630.4	645.2	621.0	586.4
105°	70.7	84.5	106.1	149.8	231.8	356.1	497.1	614.9	682.2	703.8	698.4
107.5°	83.6	96.0	116.9	154.3	221.2	321.6	443.2	559.5	649.3	704.8	730.4
110°	91.9	104.6	124.8	158.6	218.1	305.5	412.6	518.7	612.0	681.2	723.0



TEST NUMBER: P333126-935

CATALOG NUMBER: S125DIP-S375D590U935-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	100.5	112.9	132.2	164.1	218.1	296.1	389.8	486.5	575.1	645.1	694.3
115°	113.5	125.7	143.9	172.4	219.6	285.9	364.9	445.9	522.1	589.4	642.9
117.5°	126.8	138.7	155.9	181.8	222.7	280.9	350.1	419.8	485.4	543.4	592.5
120°	135.1	147.3	164.5	188.1	225.9	278.4	341.8	405.7	464.6	518.7	561.9
122.5°	143.4	155.6	172.8	195.2	228.7	276.6	334.8	395.1	449.7	497.8	538.3
125°	154.7	167.5	183.7	204.8	233.3	274.1	325.1	379.6	429.7	472.5	507.8
127.5°	165.8	178.6	194.2	213.6	238.5	272.9	316.3	363.9	410.7	450.6	483.7
130°	172.9	185.6	200.9	219.6	241.7	272.1	310.4	354.1	397.4	435.7	467.5
132.5°	179.2	191.9	207.2	224.6	245.2	272.1	305.7	344.3	384.8	419.6	450.3
135°	187.1	200.4	215.6	231.8	249.9	272.1	300.1	331.5	365.4	396.8	424.8
137.5°	194.1	207.8	221.6	237.1	254.4	272.7	295.1	320.7	348.1	374.3	398.0
140°	198.5	211.7	225.9	240.6	256.4	273.1	292.7	314.8	337.9	360.5	381.2
142.5°	202.8	215.2	228.7	242.6	257.5	273.5	290.8	309.7	329.2	348.7	366.6
145°	209.2	220.5	233.3	245.6	258.8	273.1	287.8	303.1	318.2	333.5	346.7
147.5°	215.1	225.1	236.3	247.4	259.3	271.8	284.7	296.8	309.1	320.8	330.8
150°	219.0	227.4	238.2	248.5	259.3	270.6	282.4	293.2	304.0	313.3	322.2
152.5°	222.6	230.1	240.1	249.3	258.9	269.1	279.7	289.3	298.9	307.5	314.4
155°	226.9	233.8	242.1	249.9	257.9	266.2	275.0	283.4	291.3	298.1	303.5
157.5°	231.4	236.6	243.8	250.5	256.6	263.2	270.7	277.5	284.0	289.3	293.5
160°	233.8	238.2	244.6	250.5	255.4	261.3	267.2	273.5	278.4	283.4	286.8
162.5°	236.2	239.8	245.4	250.1	254.3	258.9	264.1	269.2	273.8	277.8	280.9
165°	238.7	241.7	245.6	249.5	252.4	255.4	259.3	263.2	266.7	269.7	272.1
167.5°	240.5	242.3	245.6	248.3	249.7	251.9	254.7	257.5	259.8	262.1	263.8
170°	241.7	243.1	245.6	247.5	248.5	249.9	251.9	254.4	255.9	257.4	258.3
172.5°	242.5	243.1	245.2	246.8	246.9	247.6	249.2	250.9	252.4	253.4	254.0
175°	243.1	243.1	244.6	245.6	245.0	245.0	245.6	247.0	247.0	248.1	248.1
177.5°	243.2	243.2	244.0	244.4	243.6	243.6	244.0	244.4	244.8	244.8	244.8
180°	243.6	243.6	243.6	243.6	243.6	243.6	243.6	243.6	243.6	243.6	243.6



TEST NUMBER: P333126-935

CATALOG NUMBER: S125DIP-S375D590U935-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	468.7	468.7	468.7	468.7	468.7	468.7	468.7	468.7	468.7	468.7	468.7
2.5°	446.6	447.7	446.8	448.1	446.8	447.7	446.6	447.5	449.0	448.1	450.3
5°	411.6	409.8	411.0	410.3	411.0	409.8	411.6	412.6	415.0	415.8	417.4
7.5°	379.4	377.6	375.7	374.7	375.7	377.6	379.4	379.9	381.9	385.0	387.2
10°	359.1	356.9	356.7	355.3	356.7	356.9	359.1	361.3	362.7	366.4	369.0
12.5°	344.3	342.2	340.0	339.4	340.0	342.2	344.3	346.2	346.6	350.9	352.7
15°	323.3	321.7	320.3	321.5	320.3	321.7	323.3	324.5	326.7	329.7	331.7
17.5°	305.8	304.5	304.3	302.8	304.3	304.5	305.8	306.5	310.0	312.0	315.5
20°	294.8	293.9	294.3	291.6	294.3	293.9	294.8	296.6	300.2	301.2	304.8
22.5°	286.1	284.1	283.9	283.4	283.9	284.1	286.1	287.7	288.4	291.5	293.9
25°	272.3	271.4	270.4	271.4	270.4	271.4	272.3	274.1	274.9	277.2	279.6
27.5°	260.4	259.2	258.9	259.1	258.9	259.2	260.4	260.2	262.3	264.2	265.9
30°	253.0	251.1	251.2	251.1	251.2	251.1	253.0	253.0	254.3	255.9	257.4
32.5°	245.1	243.7	243.5	243.1	243.5	243.7	245.1	244.8	246.3	248.2	249.9
35°	233.3	233.3	232.4	232.4	232.4	233.3	233.3	233.9	235.6	235.6	237.5
37.5°	222.3	222.1	221.5	221.6	221.5	222.1	222.3	222.8	223.3	224.2	225.5
40°	214.0	213.9	213.3	212.1	213.3	213.9	214.0	214.9	215.2	216.3	217.1
42.5°	206.1	205.4	205.2	204.7	205.2	205.4	206.1	206.6	206.8	208.1	209.7
45°	193.6	193.6	193.2	193.0	193.2	193.6	193.6	193.6	193.8	195.4	196.1
47.5°	181.4	181.8	182.5	182.4	182.5	181.8	181.4	181.1	181.2	181.9	182.9
50°	174.1	174.3	174.9	175.0	174.9	174.3	174.1	173.3	172.9	172.9	173.5
52.5°	166.0	167.1	167.9	167.7	167.9	167.1	166.0	165.3	164.6	163.7	164.5
55°	154.5	156.0	157.4	157.6	157.4	156.0	154.5	152.8	152.0	150.4	151.0
57.5°	143.4	145.3	146.7	147.2	146.7	145.3	143.4	141.2	138.6	137.8	136.7
60°	135.7	138.3	140.1	140.9	140.1	138.3	135.7	133.7	130.3	128.1	127.3
62.5°	128.4	131.3	133.0	133.2	133.0	131.3	128.4	125.3	121.9	119.3	117.8
65°	116.4	119.3	121.0	122.2	121.0	119.3	116.4	113.0	109.3	105.8	104.0
67.5°	103.5	106.5	108.2	109.2	108.2	106.5	103.5	99.3	95.8	92.0	89.9
70°	94.1	97.1	99.4	100.3	99.4	97.1	94.1	89.1	86.2	82.6	80.8
72.5°	84.9	87.6	89.5	90.4	89.5	87.6	84.9	80.2	76.7	73.2	70.8
75°	68.8	72.4	74.2	75.2	74.2	72.4	68.8	66.2	62.3	58.5	56.5
77.5°	53.0	56.3	57.4	57.9	57.4	56.3	53.0	50.0	47.0	44.3	42.4
80°	42.5	44.6	46.0	46.1	46.0	44.6	42.5	40.2	37.8	35.2	33.4
82.5°	32.7	34.4	34.8	35.3	34.8	34.4	32.7	30.7	28.6	26.6	25.1
85°	17.9	18.7	18.9	18.7	18.9	18.7	17.9	16.5	15.5	14.6	13.9
87.5°	8.0	7.9	8.0	8.3	8.0	7.9	8.0	7.7	7.7	7.3	6.9
90°	10.8	10.8	11.3	11.3	11.3	10.8	10.8	10.8	9.8	9.3	8.9
92.5°	34.0	32.8	32.1	31.3	32.1	32.8	34.0	40.3	47.5	63.2	87.0
95°	142.0	127.2	123.3	115.5	123.3	127.2	142.0	176.8	218.1	278.4	353.1
97.5°	327.0	299.5	285.2	279.0	285.2	299.5	327.0	357.3	414.7	473.6	525.9
100°	444.4	409.1	391.0	383.1	391.0	409.1	444.4	478.4	529.4	580.1	604.1
102.5°	550.2	525.0	505.3	499.4	505.3	525.0	550.2	586.4	621.0	645.2	630.4
105°	682.7	666.5	656.7	650.7	656.7	666.5	682.7	698.4	703.8	682.2	614.9
107.5°	738.4	738.3	735.0	731.1	735.0	738.3	738.4	730.4	704.8	649.3	559.5
110°	745.0	754.4	757.9	757.9	757.9	754.4	745.0	723.0	681.2	612.0	518.7



TEST NUMBER: P333126-935

CATALOG NUMBER: S125DIP-S375D590U935-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	726.6	742.6	751.1	754.7	751.1	742.6	726.6	694.3	645.1	575.1	486.5
115°	681.2	704.8	718.5	725.0	718.5	704.8	681.2	642.9	589.4	522.1	445.9
117.5°	630.9	655.2	668.8	672.8	668.8	655.2	630.9	592.5	543.4	485.4	419.8
120°	598.2	621.8	635.1	638.9	635.1	621.8	598.2	561.9	518.7	464.6	405.7
122.5°	570.7	592.3	605.5	609.1	605.5	592.3	570.7	538.3	497.8	449.7	395.1
125°	535.4	555.5	566.3	571.2	566.3	555.5	535.4	507.8	472.5	429.7	379.6
127.5°	508.6	526.4	536.6	538.8	536.6	526.4	508.6	483.7	450.6	410.7	363.9
130°	492.1	508.3	518.1	521.1	518.1	508.3	492.1	467.5	435.7	397.4	354.1
132.5°	474.8	491.0	500.1	503.4	500.1	491.0	474.8	450.3	419.6	384.8	344.3
135°	446.4	462.6	471.5	474.4	471.5	462.6	446.4	424.8	396.8	365.4	331.5
137.5°	417.3	432.1	440.2	443.5	440.2	432.1	417.3	398.0	374.3	348.1	320.7
140°	399.3	412.1	419.4	421.9	419.4	412.1	399.3	381.2	360.5	337.9	314.8
142.5°	382.0	392.8	399.8	401.8	399.8	392.8	382.0	366.6	348.7	329.2	309.7
145°	358.5	366.9	372.3	374.3	372.3	366.9	358.5	346.7	333.5	318.2	303.1
147.5°	340.2	346.8	350.0	350.9	350.0	346.8	340.2	330.8	320.8	309.1	296.8
150°	329.6	335.4	337.4	337.9	337.4	335.4	329.6	322.2	313.3	304.0	293.2
152.5°	320.6	325.2	327.2	327.7	327.2	325.2	320.6	314.4	307.5	298.9	289.3
155°	308.4	311.9	313.3	313.8	313.3	311.9	308.4	303.5	298.1	291.3	283.4
157.5°	297.3	300.1	301.5	301.4	301.5	300.1	297.3	293.5	289.3	284.0	277.5
160°	290.2	292.7	293.7	293.2	293.7	292.7	290.2	286.8	283.4	278.4	273.5
162.5°	283.6	285.7	285.9	285.8	285.9	285.7	283.6	280.9	277.8	273.8	269.2
165°	274.1	275.0	275.0	275.0	275.0	275.0	274.1	272.1	269.7	266.7	263.2
167.5°	264.8	265.7	265.3	265.2	265.3	265.7	264.8	263.8	262.1	259.8	257.5
170°	259.3	259.8	259.8	259.3	259.8	259.8	259.3	258.3	257.4	255.9	254.4
172.5°	254.3	255.1	254.3	253.8	254.3	255.1	254.3	254.0	253.4	252.4	250.9
175°	248.1	248.5	247.5	247.0	247.5	248.5	248.1	248.1	248.1	247.0	247.0
177.5°	244.4	244.8	243.6	243.6	243.6	244.8	244.4	244.8	244.8	244.8	244.4
180°	243.6	243.6	243.6	243.6	243.6	243.6	243.6	243.6	243.6	243.6	243.6



TEST NUMBER: P333126-935

CATALOG NUMBER: S125DIP-S375D590U935-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	468.7	468.7	468.7	468.7	468.7	468.7	468.7	468.7	468.7	468.7	468.7
2.5°	448.2	450.1	452.5	454.3	457.4	458.8	460.6	462.0	464.6	467.0	469.8
5°	418.0	421.4	425.9	430.9	436.7	440.7	446.3	449.6	456.4	462.5	468.6
7.5°	390.6	394.8	401.2	407.6	415.2	422.0	429.0	436.7	445.3	455.6	464.0
10°	371.9	377.4	384.4	392.4	401.5	409.4	418.8	427.1	437.7	449.6	460.8
12.5°	356.9	361.6	369.4	377.0	386.8	396.6	406.2	417.2	429.6	442.8	456.8
15°	336.2	340.2	346.6	357.1	367.0	376.6	391.2	401.5	417.0	431.7	448.7
17.5°	318.6	323.6	328.9	337.9	348.3	360.2	373.2	386.2	401.1	419.7	438.8
20°	307.8	311.8	317.9	324.9	335.8	347.8	360.1	373.2	391.5	410.9	431.4
22.5°	296.0	300.3	307.3	314.9	324.1	335.5	349.1	363.5	382.6	401.6	423.9
25°	282.1	285.1	291.4	298.3	307.4	317.1	331.2	347.2	366.1	387.8	410.4
27.5°	269.1	271.6	277.4	283.4	291.6	303.2	315.8	331.9	349.7	371.7	396.8
30°	259.6	262.4	267.6	274.0	281.9	292.1	305.0	320.1	339.2	360.7	386.9
32.5°	251.5	254.0	257.9	264.2	272.1	281.9	293.9	309.3	328.4	350.2	376.0
35°	238.9	241.7	244.7	249.7	256.4	266.0	279.1	293.7	311.9	333.0	356.7
37.5°	226.4	229.5	232.1	236.6	242.7	251.2	262.5	277.7	294.2	314.5	337.3
40°	218.6	221.0	223.3	228.0	234.2	242.1	252.7	266.2	283.7	302.6	321.5
42.5°	210.9	213.1	214.9	219.1	224.8	232.4	242.5	255.7	271.9	289.6	306.3
45°	198.5	199.9	202.2	205.7	210.3	217.2	227.0	238.8	252.4	269.1	281.7
47.5°	185.3	187.4	189.2	192.3	196.1	202.9	212.3	222.3	234.8	247.2	256.0
50°	175.0	177.3	179.9	182.9	186.4	192.8	201.3	211.5	222.1	231.6	239.1
52.5°	165.5	167.6	170.3	173.1	177.5	182.9	190.2	199.2	209.7	216.5	222.7
55°	151.4	152.4	155.6	158.3	162.6	166.5	173.9	181.8	188.2	193.4	198.5
57.5°	137.0	138.3	140.2	142.7	146.8	151.4	156.6	163.7	167.4	170.0	174.1
60°	127.7	128.1	129.3	132.3	135.5	139.7	145.6	150.6	153.4	155.6	158.9
62.5°	117.5	117.6	119.6	121.8	124.2	128.7	133.5	137.6	139.8	140.9	144.1
65°	103.2	102.9	104.0	105.8	108.7	111.6	115.8	119.3	119.2	120.4	122.3
67.5°	88.7	88.3	88.3	90.0	92.2	94.9	97.7	99.9	99.9	101.4	102.5
70°	78.8	77.6	78.4	79.8	80.8	83.0	86.2	87.0	87.1	87.9	88.9
72.5°	68.6	68.2	68.8	69.4	70.1	71.8	74.6	75.0	75.1	75.5	77.1
75°	54.5	54.2	53.7	54.3	55.1	56.3	57.3	58.1	57.9	58.1	59.3
77.5°	40.9	39.8	39.5	39.9	40.0	40.8	41.8	41.8	41.9	41.9	43.2
80°	32.5	30.8	30.7	30.7	30.8	31.3	31.6	32.0	31.4	32.0	32.5
82.5°	23.8	22.9	22.8	22.6	22.7	22.8	23.1	23.2	23.2	23.4	23.7
85°	13.2	12.7	12.1	12.6	12.3	11.7	12.1	11.5	11.4	11.5	11.7
87.5°	6.1	6.2	5.7	5.6	5.3	5.3	4.7	4.4	4.0	4.0	4.4
90°	8.4	7.8	6.9	6.4	5.4	4.9	4.0	2.9	2.0	0.9	0.5
92.5°	128.2	158.3	160.9	112.1	67.1	40.3	25.9	17.5	11.4	7.2	6.0
95°	425.9	435.1	355.1	219.6	111.5	59.0	36.9	26.0	20.7	16.7	16.2
97.5°	538.8	464.7	317.1	175.2	96.1	61.3	45.4	35.6	30.2	27.5	26.9
100°	566.3	443.5	282.9	159.1	95.3	66.8	52.1	42.7	37.4	35.4	34.4
102.5°	549.7	406.1	256.9	152.5	98.8	73.4	59.2	50.6	44.8	43.2	42.6
105°	497.1	356.1	231.8	149.8	106.1	84.5	70.7	62.9	57.9	55.5	55.5
107.5°	443.2	321.6	221.2	154.3	116.9	96.0	83.6	75.4	71.4	69.1	68.1
110°	412.6	305.5	218.1	158.6	124.8	104.6	91.9	84.5	80.1	78.1	77.1



TEST NUMBER: P333126-935

CATALOG NUMBER: S125DIP-S375D590U935-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	389.8	296.1	218.1	164.1	132.2	112.9	100.5	93.2	88.7	87.1	86.2
115°	364.9	285.9	219.6	172.4	143.9	125.7	113.5	106.1	101.7	100.2	99.2
117.5°	350.1	280.9	222.7	181.8	155.9	138.7	126.8	118.5	114.1	112.4	111.0
120°	341.8	278.4	225.9	188.1	164.5	147.3	135.1	126.7	122.3	120.4	118.8
122.5°	334.8	276.6	228.7	195.2	172.8	155.6	143.4	134.1	129.8	128.2	127.1
125°	325.1	274.1	233.3	204.8	183.7	167.5	154.7	145.3	140.9	138.5	137.5
127.5°	316.3	272.9	238.5	213.6	194.2	178.6	165.8	155.9	150.3	147.1	145.7
130°	310.4	272.1	241.7	219.6	200.9	185.6	172.9	162.6	156.2	152.2	150.8
132.5°	305.7	272.1	245.2	224.6	207.2	191.9	179.2	168.5	161.3	156.6	154.7
135°	300.1	272.1	249.9	231.8	215.6	200.4	187.1	176.8	168.9	163.1	161.1
137.5°	295.1	272.7	254.4	237.1	221.6	207.8	194.1	184.0	176.2	170.7	169.2
140°	292.7	273.1	256.4	240.6	225.9	211.7	198.5	189.1	181.2	175.3	173.8
142.5°	290.8	273.5	257.5	242.6	228.7	215.2	202.8	193.8	186.0	180.5	179.3
145°	287.8	273.1	258.8	245.6	233.3	220.5	209.2	200.4	193.5	188.6	187.6
147.5°	284.7	271.8	259.3	247.4	236.3	225.1	215.1	207.4	201.0	196.8	196.2
150°	282.4	270.6	259.3	248.5	238.2	227.4	219.0	212.2	205.8	202.3	201.4
152.5°	279.7	269.1	258.9	249.3	240.1	230.1	222.6	216.1	210.5	207.4	206.9
155°	275.0	266.2	257.9	249.9	242.1	233.8	226.9	222.0	217.1	214.1	214.1
157.5°	270.7	263.2	256.6	250.5	243.8	236.6	231.4	227.1	222.9	220.5	220.6
160°	267.2	261.3	255.4	250.5	244.6	238.2	233.8	229.9	226.4	224.5	225.0
162.5°	264.1	258.9	254.3	250.1	245.4	239.8	236.2	233.0	230.0	228.0	228.5
165°	259.3	255.4	252.4	249.5	245.6	241.7	238.7	236.7	234.3	232.8	233.8
167.5°	254.7	251.9	249.7	248.3	245.6	242.3	240.5	239.1	237.7	236.9	237.3
170°	251.9	249.9	248.5	247.5	245.6	243.1	241.7	240.6	239.7	239.2	239.7
172.5°	249.2	247.6	246.9	246.8	245.2	243.1	242.5	241.9	240.8	240.4	241.3
175°	245.6	245.0	245.0	245.6	244.6	243.1	243.1	243.1	242.6	242.1	243.1
177.5°	244.0	243.6	243.6	244.4	244.0	243.2	243.2	243.6	243.2	243.2	244.0
180°	243.6	243.6	243.6	243.6	243.6	243.6	243.6	243.6	243.6	243.6	243.6



TEST NUMBER: P333126-935

CATALOG NUMBER: S125DIP-S375D590U935-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	468.7	468.7	468.7	468.7	468.7	468.7	468.7	468.7	468.7	468.7	468.7
2.5°	471.3	473.5	474.9	477.6	479.8	481.1	482.2	483.2	484.3	485.3	488.0
5°	474.3	479.5	483.9	490.6	496.8	501.5	506.7	511.3	515.1	520.5	524.6
7.5°	472.9	482.2	491.8	502.3	513.0	522.9	532.1	540.6	548.4	557.8	566.0
10°	471.7	484.2	496.5	510.7	525.2	537.5	549.1	560.9	569.4	581.3	591.5
12.5°	470.8	485.5	500.4	517.4	533.3	550.8	566.1	574.7	587.7	597.3	609.3
15°	466.7	486.2	506.7	525.8	548.5	564.6	578.2	594.9	607.0	619.1	632.2
17.5°	459.5	481.6	504.5	529.6	551.3	568.6	586.1	602.2	616.6	632.9	649.3
20°	456.2	478.3	504.5	530.2	551.5	569.6	587.5	605.2	621.1	642.0	660.9
22.5°	449.2	475.9	500.1	525.1	547.0	566.7	587.0	607.1	628.3	651.9	675.5
25°	436.7	463.7	489.4	514.1	536.1	560.9	582.6	609.4	636.5	667.7	697.2
27.5°	423.7	449.6	473.1	497.0	522.7	550.7	578.8	609.2	644.7	684.2	725.7
30°	413.2	437.7	460.5	485.0	511.9	543.3	574.2	610.4	651.3	695.7	745.1
32.5°	401.0	423.5	445.7	471.7	500.9	534.1	570.1	609.8	659.0	709.4	760.2
35°	380.0	398.9	421.8	449.4	482.4	520.5	562.1	609.0	665.5	723.4	766.1
37.5°	355.2	372.7	396.8	427.1	461.8	502.6	551.9	607.6	667.6	713.8	727.5
40°	338.4	354.7	379.8	411.2	446.6	489.8	543.9	602.8	660.9	690.3	679.0
42.5°	320.6	337.7	362.1	393.2	431.4	478.4	533.9	592.8	641.5	652.6	613.5
45°	292.5	310.1	334.2	365.7	406.7	457.6	515.5	569.0	597.0	577.0	516.3
47.5°	266.3	282.9	305.2	337.7	380.0	432.7	488.4	531.1	533.3	485.3	420.5
50°	248.5	263.8	286.3	318.7	360.7	414.1	464.3	498.0	482.8	428.5	366.3
52.5°	231.0	246.0	268.1	300.2	341.7	390.6	437.5	461.1	432.6	376.8	323.6
55°	205.7	218.9	240.6	270.2	309.5	354.9	394.7	402.9	365.8	311.0	267.8
57.5°	181.1	193.3	213.0	240.3	276.4	316.5	347.7	345.9	306.8	259.7	225.4
60°	164.4	176.2	193.8	220.4	253.3	287.9	314.5	308.2	269.4	228.8	199.9
62.5°	149.4	160.1	176.6	199.9	229.9	261.9	283.8	274.4	236.4	201.0	178.1
65°	127.3	136.3	150.4	170.3	195.2	221.6	238.6	226.4	194.0	166.3	148.0
67.5°	106.2	113.5	125.3	141.2	162.4	183.7	193.9	181.8	155.8	135.6	122.0
70°	92.9	99.3	108.4	122.5	141.0	158.9	166.7	155.8	133.5	116.1	106.4
72.5°	79.6	84.8	92.8	105.6	120.4	135.9	142.7	132.2	113.9	99.3	90.2
75°	61.5	65.1	70.6	79.4	91.1	103.5	107.2	98.1	86.4	75.4	69.4
77.5°	44.0	47.0	51.2	56.7	65.1	72.9	76.2	70.9	61.9	54.9	50.0
80°	33.8	35.4	39.0	43.6	50.1	55.1	57.3	53.9	47.5	42.4	38.6
82.5°	24.1	25.7	27.8	31.6	35.8	39.2	41.5	39.3	34.7	30.6	28.4
85°	11.7	12.7	13.9	15.5	18.7	20.7	20.5	19.1	17.3	15.8	14.6
87.5°	4.3	4.6	5.3	6.4	7.1	7.7	8.3	8.1	7.6	7.2	6.9
90°	0.9	2.0	2.9	4.0	4.9	5.4	6.4	6.9	7.8	8.4	8.9
92.5°	7.2	11.4	17.5	25.9	40.3	67.1	112.1	160.9	158.3	128.2	87.0
95°	16.7	20.7	26.0	36.9	59.0	111.5	219.6	355.1	435.1	425.9	353.1
97.5°	27.5	30.2	35.6	45.4	61.3	96.1	175.2	317.1	464.7	538.8	525.9
100°	35.4	37.4	42.7	52.1	66.8	95.3	159.1	282.9	443.5	566.3	604.1
102.5°	43.2	44.8	50.6	59.2	73.4	98.8	152.5	256.9	406.1	549.7	630.4
105°	55.5	57.9	62.9	70.7	84.5	106.1	149.8	231.8	356.1	497.1	614.9
107.5°	69.1	71.4	75.4	83.6	96.0	116.9	154.3	221.2	321.6	443.2	559.5
110°	78.1	80.1	84.5	91.9	104.6	124.8	158.6	218.1	305.5	412.6	518.7



TEST NUMBER: P333126-935

CATALOG NUMBER: S125DIP-S375D590U935-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	87.1	88.7	93.2	100.5	112.9	132.2	164.1	218.1	296.1	389.8	486.5
115°	100.2	101.7	106.1	113.5	125.7	143.9	172.4	219.6	285.9	364.9	445.9
117.5°	112.4	114.1	118.5	126.8	138.7	155.9	181.8	222.7	280.9	350.1	419.8
120°	120.4	122.3	126.7	135.1	147.3	164.5	188.1	225.9	278.4	341.8	405.7
122.5°	128.2	129.8	134.1	143.4	155.6	172.8	195.2	228.7	276.6	334.8	395.1
125°	138.5	140.9	145.3	154.7	167.5	183.7	204.8	233.3	274.1	325.1	379.6
127.5°	147.1	150.3	155.9	165.8	178.6	194.2	213.6	238.5	272.9	316.3	363.9
130°	152.2	156.2	162.6	172.9	185.6	200.9	219.6	241.7	272.1	310.4	354.1
132.5°	156.6	161.3	168.5	179.2	191.9	207.2	224.6	245.2	272.1	305.7	344.3
135°	163.1	168.9	176.8	187.1	200.4	215.6	231.8	249.9	272.1	300.1	331.5
137.5°	170.7	176.2	184.0	194.1	207.8	221.6	237.1	254.4	272.7	295.1	320.7
140°	175.3	181.2	189.1	198.5	211.7	225.9	240.6	256.4	273.1	292.7	314.8
142.5°	180.5	186.0	193.8	202.8	215.2	228.7	242.6	257.5	273.5	290.8	309.7
145°	188.6	193.5	200.4	209.2	220.5	233.3	245.6	258.8	273.1	287.8	303.1
147.5°	196.8	201.0	207.4	215.1	225.1	236.3	247.4	259.3	271.8	284.7	296.8
150°	202.3	205.8	212.2	219.0	227.4	238.2	248.5	259.3	270.6	282.4	293.2
152.5°	207.4	210.5	216.1	222.6	230.1	240.1	249.3	258.9	269.1	279.7	289.3
155°	214.1	217.1	222.0	226.9	233.8	242.1	249.9	257.9	266.2	275.0	283.4
157.5°	220.5	222.9	227.1	231.4	236.6	243.8	250.5	256.6	263.2	270.7	277.5
160°	224.5	226.4	229.9	233.8	238.2	244.6	250.5	255.4	261.3	267.2	273.5
162.5°	228.0	230.0	233.0	236.2	239.8	245.4	250.1	254.3	258.9	264.1	269.2
165°	232.8	234.3	236.7	238.7	241.7	245.6	249.5	252.4	255.4	259.3	263.2
167.5°	236.9	237.7	239.1	240.5	242.3	245.6	248.3	249.7	251.9	254.7	257.5
170°	239.2	239.7	240.6	241.7	243.1	245.6	247.5	248.5	249.9	251.9	254.4
172.5°	240.4	240.8	241.9	242.5	243.1	245.2	246.8	246.9	247.6	249.2	250.9
175°	242.1	242.6	243.1	243.1	243.1	244.6	245.6	245.0	245.0	245.6	247.0
177.5°	243.2	243.2	243.6	243.2	243.2	244.0	244.4	243.6	243.6	244.0	244.4
180°	243.6	243.6	243.6	243.6	243.6	243.6	243.6	243.6	243.6	243.6	243.6



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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	468.7	468.7	468.7	468.7	468.7	468.7	468.7
2.5°	490.3	491.5	494.2	493.3	494.5	495.2	495.8
5°	529.8	536.1	539.0	538.6	542.8	541.7	540.7
7.5°	574.5	581.2	585.0	589.6	592.3	592.5	594.9
10°	599.9	608.6	612.2	617.2	620.4	622.2	621.9
12.5°	619.2	626.1	634.1	636.5	640.8	643.2	642.3
15°	642.7	653.6	661.9	666.1	671.5	673.0	675.2
17.5°	663.5	678.1	687.9	700.9	705.8	708.8	707.0
20°	679.2	698.5	708.3	723.8	732.4	736.9	735.3
22.5°	697.8	718.8	736.8	750.2	763.2	769.4	770.7
25°	729.8	758.4	784.9	802.5	818.6	822.4	830.8
27.5°	765.4	799.2	827.5	846.1	857.3	861.5	864.2
30°	787.8	821.5	842.7	854.7	858.2	857.9	857.5
32.5°	798.8	819.8	824.0	820.6	812.4	805.5	798.2
35°	783.3	767.6	744.1	713.9	691.6	669.1	666.8
37.5°	704.5	654.2	615.1	571.4	546.3	530.7	520.0
40°	630.3	573.2	525.8	489.0	463.4	453.2	443.2
42.5°	549.7	495.2	453.2	422.5	403.2	391.9	384.1
45°	446.6	398.5	365.7	343.4	328.0	319.3	314.4
47.5°	366.0	330.4	302.5	286.4	275.9	269.1	269.1
50°	322.7	288.7	270.2	257.4	248.3	242.9	243.9
52.5°	284.3	258.9	243.1	232.5	225.7	222.4	222.2
55°	237.7	219.5	209.1	201.3	196.7	193.0	193.8
57.5°	203.4	188.0	181.0	174.5	171.3	169.9	167.6
60°	182.0	170.1	164.1	158.9	155.8	154.5	152.4
62.5°	163.1	153.7	147.9	143.7	140.9	140.4	138.7
65°	137.1	129.9	124.8	122.8	119.8	119.0	119.0
67.5°	113.0	107.9	103.8	102.0	100.7	100.9	100.0
70°	97.9	93.7	91.1	89.1	88.2	88.3	87.6
72.5°	85.7	80.9	78.7	77.5	76.2	76.7	76.4
75°	64.8	62.5	61.3	60.1	59.3	58.9	58.5
77.5°	47.6	45.5	44.6	43.9	44.1	43.0	43.8
80°	36.8	35.0	34.4	33.4	33.2	33.2	33.1
82.5°	26.9	25.9	25.5	24.7	24.3	24.6	24.1
85°	13.9	13.2	12.9	12.9	12.6	12.1	13.2
87.5°	7.0	6.5	6.6	6.5	6.5	6.4	6.1
90°	9.3	9.8	10.8	10.8	10.8	11.3	11.3
92.5°	63.2	47.5	40.3	34.0	32.8	32.1	31.3
95°	278.4	218.1	176.8	142.0	127.2	123.3	115.5
97.5°	473.6	414.7	357.3	327.0	299.5	285.2	279.0
100°	580.1	529.4	478.4	444.4	409.1	391.0	383.1
102.5°	645.2	621.0	586.4	550.2	525.0	505.3	499.4
105°	682.2	703.8	698.4	682.7	666.5	656.7	650.7
107.5°	649.3	704.8	730.4	738.4	738.3	735.0	731.1
110°	612.0	681.2	723.0	745.0	754.4	757.9	757.9



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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
112.5°	575.1	645.1	694.3	726.6	742.6	751.1	754.7
115°	522.1	589.4	642.9	681.2	704.8	718.5	725.0
117.5°	485.4	543.4	592.5	630.9	655.2	668.8	672.8
120°	464.6	518.7	561.9	598.2	621.8	635.1	638.9
122.5°	449.7	497.8	538.3	570.7	592.3	605.5	609.1
125°	429.7	472.5	507.8	535.4	555.5	566.3	571.2
127.5°	410.7	450.6	483.7	508.6	526.4	536.6	538.8
130°	397.4	435.7	467.5	492.1	508.3	518.1	521.1
132.5°	384.8	419.6	450.3	474.8	491.0	500.1	503.4
135°	365.4	396.8	424.8	446.4	462.6	471.5	474.4
137.5°	348.1	374.3	398.0	417.3	432.1	440.2	443.5
140°	337.9	360.5	381.2	399.3	412.1	419.4	421.9
142.5°	329.2	348.7	366.6	382.0	392.8	399.8	401.8
145°	318.2	333.5	346.7	358.5	366.9	372.3	374.3
147.5°	309.1	320.8	330.8	340.2	346.8	350.0	350.9
150°	304.0	313.3	322.2	329.6	335.4	337.4	337.9
152.5°	298.9	307.5	314.4	320.6	325.2	327.2	327.7
155°	291.3	298.1	303.5	308.4	311.9	313.3	313.8
157.5°	284.0	289.3	293.5	297.3	300.1	301.5	301.4
160°	278.4	283.4	286.8	290.2	292.7	293.7	293.2
162.5°	273.8	277.8	280.9	283.6	285.7	285.9	285.8
165°	266.7	269.7	272.1	274.1	275.0	275.0	275.0
167.5°	259.8	262.1	263.8	264.8	265.7	265.3	265.2
170°	255.9	257.4	258.3	259.3	259.8	259.8	259.3
172.5°	252.4	253.4	254.0	254.3	255.1	254.3	253.8
175°	247.0	248.1	248.1	248.1	248.5	247.5	247.0
177.5°	244.8	244.8	244.8	244.4	244.8	243.6	243.6
180°	243.6	243.6	243.6	243.6	243.6	243.6	243.6

(END OF REPORT)