

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: P333125-935

Luminaire Tested: **S125DIP-S375D590U935-4F0-1E-UDD-A1**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P333125-935  
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1807-864-11,  
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-A1  
Description: DEFINE 5 DIRECT-INDIRECT PENDANT LED LUMINAIRE  
DOWNLIGHT 375 LUMENS PER FOOT, ASYMMETRIC DIFFUSER  
UPLIGHT 590 LUMENS PER FOOT, FLUSH SATIN WHITE DIFFUSER  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 3085.2 lumens  
Efficiency: N/A  
Efficacy: 120.5 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

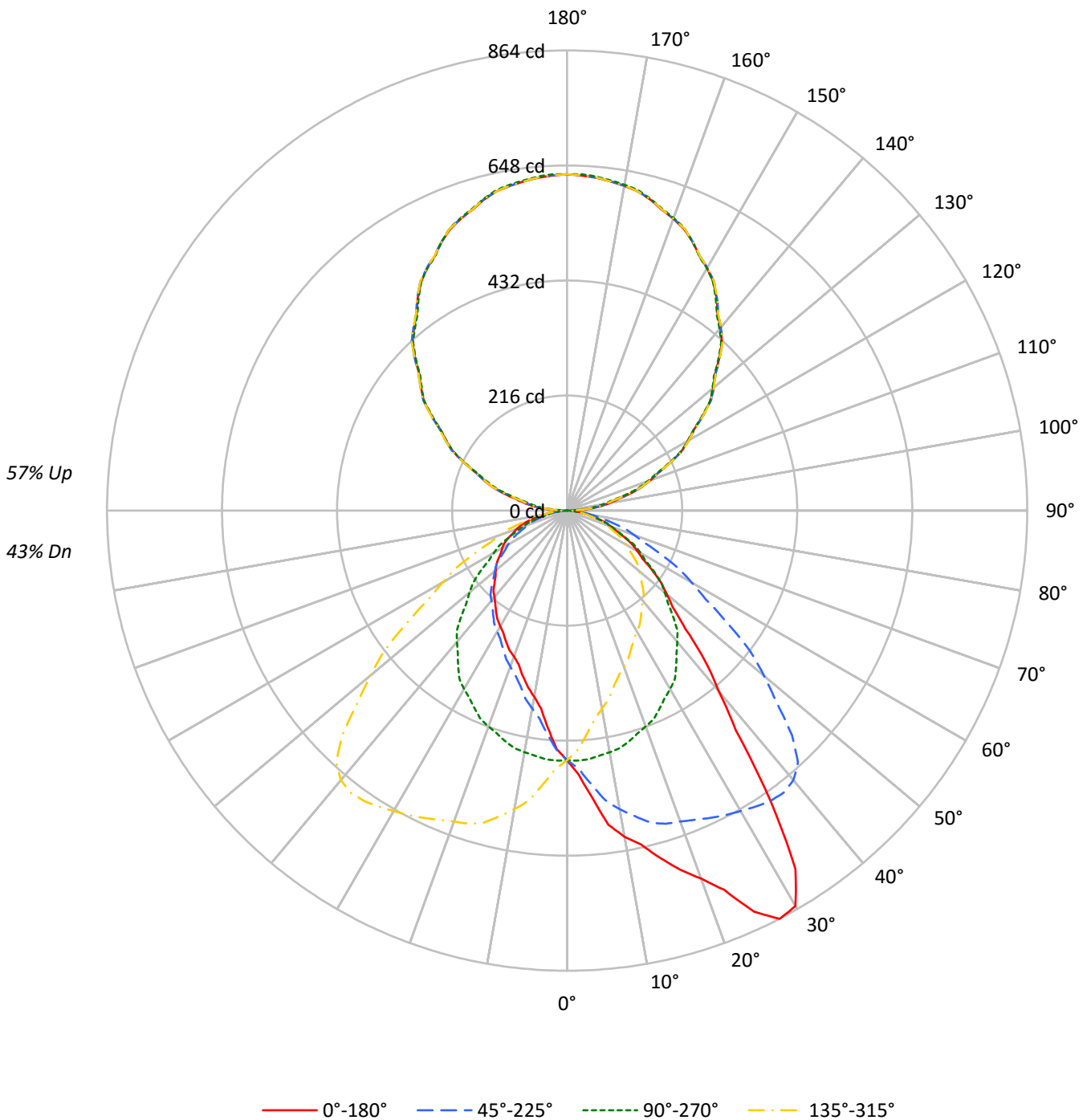
Input Watts (W): 25.6  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	64	64	64	50	50	50	43
1	96	92	88	85	88	84	81	78	70	68	66	56	55	54	44	43	42	37
2	88	81	75	70	80	74	69	65	61	58	55	50	47	45	39	37	36	31
3	80	71	64	58	73	65	59	54	54	50	46	44	41	38	35	33	31	26
4	73	63	55	49	67	58	51	46	48	43	39	39	36	33	31	29	27	23
5	67	56	48	42	61	52	45	39	43	38	34	35	31	28	28	25	23	20
6	62	50	42	37	57	46	39	34	39	34	30	32	28	25	25	23	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	49	38	31	26	32	27	23	27	23	20	21	18	16	14
9	49	37	30	25	45	35	28	24	29	24	21	24	20	18	20	17	15	12
10	46	34	27	22	42	32	25	21	27	22	18	22	19	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	1.5
10°-20°	134.4	4.4
20°-30°	218.2	7.1
30°-40°	266.1	8.6
40°-50°	242.1	7.8
50°-60°	192.8	6.3
60°-70°	134.3	4.4
70°-80°	71.6	2.3
80°-90°	19.5	0.6
90°-100°	42.3	1.4
100°-110°	124.8	4.0
110°-120°	211.4	6.9
120°-130°	278.3	9.0
130°-140°	311.8	10.1
140°-150°	305.6	9.9
150°-160°	256.7	8.3
160°-170°	170.6	5.5
170°-180°	59.7	1.9
0°-30°	397.6	12.9
0°-40°	663.7	21.5
0°-60°	1098.7	35.6
0°-90°	1324.0	42.9
90°-120°	378.5	12.3
90°-150°	1274.2	41.3
90°-180°	1761.0	57.1
0°-180°	3085.2	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°	12	0	12	0	12	7
95°	42	32	42	32	42	43
105°	122	112	122	112	122	129
115°	214	212	214	212	214	211
125°	311	309	311	309	311	278
135°	403	402	403	402	403	311
145°	489	487	489	487	489	305
155°	557	557	557	557	557	256
165°	604	606	604	606	604	170
175°	627	630	627	630	627	60
180°	631	631	631	631	631	



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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°	6.2	6.5	6.5	6.5	6.5	6.5	7.0	6.9	7.2	7.6	8.1
90°	11.8	11.5	11.1	10.8	10.5	10.1	9.5	9.0	8.4	7.8	7.1
92.5°	23.2	22.9	22.7	22.5	22.2	21.8	21.0	20.3	19.5	18.9	17.9
95°	42.3	42.0	41.8	41.6	41.3	40.9	40.1	39.3	38.6	37.8	36.8
97.5°	64.1	63.9	63.8	63.6	63.5	63.1	62.4	61.6	61.0	60.2	58.7
100°	80.6	80.3	80.2	79.9	79.6	79.0	78.1	77.1	76.1	75.2	73.7
102.5°	97.0	96.8	96.4	96.2	95.8	95.1	94.1	93.0	92.0	90.8	90.1
105°	121.8	121.5	121.1	120.8	120.5	120.0	119.3	118.7	118.0	117.4	116.8
107.5°	147.1	147.1	147.2	147.2	147.2	147.1	146.8	146.5	146.1	145.8	145.3
110°	166.0	166.1	166.3	166.3	166.4	166.3	166.0	165.7	165.4	165.1	164.7



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**CANDELA DISTRIBUTION (continued):**

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	184.5	184.7	184.9	185.1	185.3	185.3	185.1	185.0	184.9	184.7	184.3
115°	213.7	213.8	213.9	214.0	214.1	214.2	214.3	214.4	214.6	214.6	214.4
117.5°	242.1	242.6	243.1	243.5	243.9	244.1	244.0	243.9	243.8	243.7	243.5
120°	261.8	262.3	262.7	263.1	263.6	263.7	263.7	263.7	263.7	263.7	263.6
122.5°	281.5	281.8	282.1	282.5	282.8	283.1	283.2	283.3	283.4	283.4	283.1
125°	310.9	311.0	311.2	311.3	311.3	311.5	311.8	311.9	312.2	312.4	312.3
127.5°	339.2	339.4	339.7	339.8	340.1	340.3	340.4	340.4	340.6	340.7	340.5
130°	358.1	358.3	358.5	358.7	359.0	359.1	359.2	359.3	359.5	359.6	359.3
132.5°	375.7	376.1	376.3	376.7	376.9	377.2	377.3	377.4	377.5	377.6	377.6
135°	403.3	403.7	404.2	404.6	405.0	405.2	405.2	405.2	405.2	405.2	405.1
137.5°	430.2	430.8	431.3	431.8	432.4	432.6	432.4	432.3	432.1	432.0	431.8
140°	447.5	448.0	448.6	449.1	449.6	449.8	449.6	449.4	449.2	448.9	448.6
142.5°	464.0	464.5	465.0	465.6	466.1	466.3	466.2	466.1	466.0	465.8	465.5
145°	488.7	489.0	489.4	489.7	490.0	490.2	490.2	490.2	490.2	490.2	489.9
147.5°	509.9	510.6	511.3	512.0	512.8	513.1	512.8	512.6	512.3	512.0	511.8
150°	525.6	525.8	526.0	526.2	526.4	526.5	526.5	526.5	526.5	526.5	526.1
152.5°	538.6	538.9	539.3	539.7	540.1	540.2	539.9	539.7	539.4	539.2	538.9
155°	557.0	557.5	558.1	558.6	559.2	559.2	558.8	558.4	557.9	557.5	557.4
157.5°	572.4	573.2	573.9	574.5	575.3	575.4	575.0	574.5	574.1	573.7	573.6
160°	583.1	583.6	584.1	584.7	585.2	585.2	584.8	584.4	583.9	583.5	583.4
162.5°	592.0	592.7	593.3	594.0	594.6	594.7	594.1	593.6	593.1	592.5	592.5
165°	604.2	604.8	605.5	606.1	606.7	606.9	606.4	606.0	605.5	605.1	605.0
167.5°	613.8	614.4	615.1	615.8	616.5	616.5	615.9	615.2	614.5	613.9	613.9
170°	618.9	619.7	620.4	621.2	621.9	622.0	621.3	620.7	620.0	619.4	619.4
172.5°	623.2	623.9	624.6	625.3	625.9	625.9	625.3	624.7	624.0	623.3	623.3
175°	627.2	628.0	628.8	629.6	630.3	630.3	629.6	629.0	628.4	627.8	627.8
177.5°	629.6	630.2	630.9	631.5	632.1	632.1	631.5	631.0	630.5	630.0	630.1
180°	631.2	631.2	631.2	631.2	631.2	631.2	631.2	631.2	631.2	631.2	631.2



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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	7.8	7.0	6.4	5.4	4.7	4.4	4.4	4.1	4.1	4.5
90°	6.4	5.6	4.8	4.0	3.1	2.2	1.4	0.5	1.4	2.2	3.1
92.5°	17.0	16.0	15.1	14.3	13.7	13.1	12.5	11.9	12.5	13.1	13.7
95°	35.6	34.5	33.5	32.8	32.5	32.4	32.1	31.9	32.1	32.4	32.5
97.5°	57.2	55.7	54.2	53.4	53.3	53.2	53.1	53.0	53.1	53.2	53.3
100°	72.3	70.9	69.5	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8
102.5°	89.5	88.7	88.0	87.4	87.0	86.5	86.1	85.7	86.1	86.5	87.0
105°	116.1	115.5	114.8	114.2	113.7	113.0	112.5	112.0	112.5	113.0	113.7
107.5°	144.7	144.3	143.8	143.3	142.7	142.2	141.6	141.0	141.6	142.2	142.7
110°	164.4	164.0	163.8	163.3	162.7	162.2	161.6	161.1	161.6	162.2	162.7





TEST NUMBER: P333125-935

CATALOG NUMBER: S125DIP-S375D590U935-4F0-1E-UDD-A1

**CANDELA DISTRIBUTION (continued):**

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	183.8	183.5	183.0	182.7	182.4	182.1	181.8	181.5	181.8	182.1	182.4
115°	214.2	214.0	213.8	213.4	213.0	212.6	212.2	211.7	212.2	212.6	213.0
117.5°	243.3	243.1	243.0	242.7	242.5	242.4	242.1	241.9	242.1	242.4	242.5
120°	263.6	263.5	263.3	263.0	262.4	261.9	261.4	260.8	261.4	261.9	262.4
122.5°	282.8	282.6	282.2	282.1	281.8	281.6	281.5	281.3	281.5	281.6	281.8
125°	312.2	312.0	311.9	311.6	310.9	310.2	309.6	308.9	309.6	310.2	310.9
127.5°	340.4	340.3	340.2	339.9	339.5	339.1	338.8	338.5	338.8	339.1	339.5
130°	359.1	358.9	358.7	358.3	357.7	357.2	356.6	356.1	356.6	357.2	357.7
132.5°	377.7	377.7	377.8	377.4	376.4	375.6	374.7	373.8	374.7	375.6	376.4
135°	405.0	404.9	404.8	404.4	403.7	403.1	402.4	401.7	402.4	403.1	403.7
137.5°	431.5	431.4	431.1	430.7	430.0	429.4	428.8	428.1	428.8	429.4	430.0
140°	448.3	448.0	447.6	447.2	446.6	446.1	445.6	445.0	445.6	446.1	446.6
142.5°	465.0	464.6	464.2	463.7	463.3	462.8	462.4	461.9	462.4	462.8	463.3
145°	489.6	489.2	488.9	488.5	488.1	487.7	487.2	486.7	487.2	487.7	488.1
147.5°	511.5	511.2	510.9	510.7	510.5	510.2	510.0	509.7	510.0	510.2	510.5
150°	525.6	525.2	524.8	524.6	524.8	524.9	525.0	525.0	525.0	524.9	524.8
152.5°	538.7	538.6	538.4	538.2	538.1	538.0	537.8	537.6	537.8	538.0	538.1
155°	557.2	557.2	557.1	557.0	557.0	557.0	557.0	557.0	557.0	557.0	557.0
157.5°	573.5	573.3	573.3	573.3	573.6	573.8	574.0	574.3	574.0	573.8	573.6
160°	583.3	583.2	583.1	583.2	583.5	583.8	584.2	584.5	584.2	583.8	583.5
162.5°	592.5	592.5	592.5	592.5	592.8	593.1	593.3	593.6	593.3	593.1	592.8
165°	604.9	604.8	604.7	604.8	604.9	605.2	605.4	605.6	605.4	605.2	604.9
167.5°	613.9	613.9	613.9	614.1	614.5	614.9	615.4	615.9	615.4	614.9	614.5
170°	619.4	619.4	619.4	619.6	620.0	620.4	620.9	621.3	620.9	620.4	620.0
172.5°	623.3	623.3	623.3	623.5	624.0	624.4	624.8	625.3	624.8	624.4	624.0
175°	627.8	627.8	627.8	627.9	628.4	628.8	629.2	629.6	629.2	628.8	628.4
177.5°	630.2	630.3	630.3	630.5	630.9	631.3	631.6	632.0	631.6	631.3	630.9
180°	631.2	631.2	631.2	631.2	631.2	631.2	631.2	631.2	631.2	631.2	631.2



TEST NUMBER: P333125-935

CATALOG NUMBER: S125DIP-S375D590U935-4F0-1E-UDD-A1

**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	4.8	5.6	6.4	7.1	7.8	8.4	9.0	9.5	10.1	10.5
92.5°	14.3	15.1	16.0	17.0	17.9	18.9	19.5	20.3	21.0	21.8	22.2
95°	32.8	33.5	34.5	35.6	36.8	37.8	38.6	39.3	40.1	40.9	41.3
97.5°	53.4	54.2	55.7	57.2	58.7	60.2	61.0	61.6	62.4	63.1	63.5
100°	68.8	69.5	70.9	72.3	73.7	75.2	76.1	77.1	78.1	79.0	79.6
102.5°	87.4	88.0	88.7	89.5	90.1	90.8	92.0	93.0	94.1	95.1	95.8
105°	114.2	114.8	115.5	116.1	116.8	117.4	118.0	118.7	119.3	120.0	120.5
107.5°	143.3	143.8	144.3	144.7	145.3	145.8	146.1	146.5	146.8	147.1	147.2
110°	163.3	163.8	164.0	164.4	164.7	165.1	165.4	165.7	166.0	166.3	166.4



TEST NUMBER: P333125-935

CATALOG NUMBER: S125DIP-S375D590U935-4F0-1E-UDD-A1

**CANDELA DISTRIBUTION (continued):**

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	182.7	183.0	183.5	183.8	184.3	184.7	184.9	185.0	185.1	185.3	185.3
115°	213.4	213.8	214.0	214.2	214.4	214.6	214.6	214.4	214.3	214.2	214.1
117.5°	242.7	243.0	243.1	243.3	243.5	243.7	243.8	243.9	244.0	244.1	243.9
120°	263.0	263.3	263.5	263.6	263.6	263.7	263.7	263.7	263.7	263.7	263.6
122.5°	282.1	282.2	282.6	282.8	283.1	283.4	283.4	283.3	283.2	283.1	282.8
125°	311.6	311.9	312.0	312.2	312.3	312.4	312.2	311.9	311.8	311.5	311.3
127.5°	339.9	340.2	340.3	340.4	340.5	340.7	340.6	340.4	340.4	340.3	340.1
130°	358.3	358.7	358.9	359.1	359.3	359.6	359.5	359.3	359.2	359.1	359.0
132.5°	377.4	377.8	377.7	377.7	377.6	377.6	377.5	377.4	377.3	377.2	376.9
135°	404.4	404.8	404.9	405.0	405.1	405.2	405.2	405.2	405.2	405.2	405.0
137.5°	430.7	431.1	431.4	431.5	431.8	432.0	432.1	432.3	432.4	432.6	432.4
140°	447.2	447.6	448.0	448.3	448.6	448.9	449.2	449.4	449.6	449.8	449.6
142.5°	463.7	464.2	464.6	465.0	465.5	465.8	466.0	466.1	466.2	466.3	466.1
145°	488.5	488.9	489.2	489.6	489.9	490.2	490.2	490.2	490.2	490.2	490.0
147.5°	510.7	510.9	511.2	511.5	511.8	512.0	512.3	512.6	512.8	513.1	512.8
150°	524.6	524.8	525.2	525.6	526.1	526.5	526.5	526.5	526.5	526.5	526.4
152.5°	538.2	538.4	538.6	538.7	538.9	539.2	539.4	539.7	539.9	540.2	540.1
155°	557.0	557.1	557.2	557.2	557.4	557.5	557.9	558.4	558.8	559.2	559.2
157.5°	573.3	573.3	573.3	573.5	573.6	573.7	574.1	574.5	575.0	575.4	575.3
160°	583.2	583.1	583.2	583.3	583.4	583.5	583.9	584.4	584.8	585.2	585.2
162.5°	592.5	592.5	592.5	592.5	592.5	592.5	593.1	593.6	594.1	594.7	594.6
165°	604.8	604.7	604.8	604.9	605.0	605.1	605.5	606.0	606.4	606.9	606.7
167.5°	614.1	613.9	613.9	613.9	613.9	613.9	614.5	615.2	615.9	616.5	616.5
170°	619.6	619.4	619.4	619.4	619.4	619.4	620.0	620.7	621.3	622.0	621.9
172.5°	623.5	623.3	623.3	623.3	623.3	623.3	624.0	624.7	625.3	625.9	625.9
175°	627.9	627.8	627.8	627.8	627.8	627.8	628.4	629.0	629.6	630.3	630.3
177.5°	630.5	630.3	630.3	630.2	630.1	630.0	630.5	631.0	631.5	632.1	632.1
180°	631.2	631.2	631.2	631.2	631.2	631.2	631.2	631.2	631.2	631.2	631.2



TEST NUMBER: P333125-935

CATALOG NUMBER: S125DIP-S375D590U935-4F0-1E-UDD-A1

**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	8.4	8.0	7.9	8.0	7.7	7.7	7.3	6.9
90°	10.8	11.1	11.5	11.8	11.5	11.1	10.8	10.5	10.1	9.5	9.0
92.5°	22.5	22.7	22.9	23.2	22.9	22.7	22.5	22.2	21.8	21.0	20.3
95°	41.6	41.8	42.0	42.3	42.0	41.8	41.6	41.3	40.9	40.1	39.3
97.5°	63.6	63.8	63.9	64.1	63.9	63.8	63.6	63.5	63.1	62.4	61.6
100°	79.9	80.2	80.3	80.6	80.3	80.2	79.9	79.6	79.0	78.1	77.1
102.5°	96.2	96.4	96.8	97.0	96.8	96.4	96.2	95.8	95.1	94.1	93.0
105°	120.8	121.1	121.5	121.8	121.5	121.1	120.8	120.5	120.0	119.3	118.7
107.5°	147.2	147.2	147.1	147.1	147.1	147.2	147.2	147.2	147.1	146.8	146.5
110°	166.3	166.3	166.1	166.0	166.1	166.3	166.3	166.4	166.3	166.0	165.7



TEST NUMBER: P333125-935

CATALOG NUMBER: S125DIP-S375D590U935-4F0-1E-UDD-A1

**CANDELA DISTRIBUTION (continued):**

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	185.1	184.9	184.7	184.5	184.7	184.9	185.1	185.3	185.3	185.1	185.0
115°	214.0	213.9	213.8	213.7	213.8	213.9	214.0	214.1	214.2	214.3	214.4
117.5°	243.5	243.1	242.6	242.1	242.6	243.1	243.5	243.9	244.1	244.0	243.9
120°	263.1	262.7	262.3	261.8	262.3	262.7	263.1	263.6	263.7	263.7	263.7
122.5°	282.5	282.1	281.8	281.5	281.8	282.1	282.5	282.8	283.1	283.2	283.3
125°	311.3	311.2	311.0	310.9	311.0	311.2	311.3	311.3	311.5	311.8	311.9
127.5°	339.8	339.7	339.4	339.2	339.4	339.7	339.8	340.1	340.3	340.4	340.4
130°	358.7	358.5	358.3	358.1	358.3	358.5	358.7	359.0	359.1	359.2	359.3
132.5°	376.7	376.3	376.1	375.7	376.1	376.3	376.7	376.9	377.2	377.3	377.4
135°	404.6	404.2	403.7	403.3	403.7	404.2	404.6	405.0	405.2	405.2	405.2
137.5°	431.8	431.3	430.8	430.2	430.8	431.3	431.8	432.4	432.6	432.4	432.3
140°	449.1	448.6	448.0	447.5	448.0	448.6	449.1	449.6	449.8	449.6	449.4
142.5°	465.6	465.0	464.5	464.0	464.5	465.0	465.6	466.1	466.3	466.2	466.1
145°	489.7	489.4	489.0	488.7	489.0	489.4	489.7	490.0	490.2	490.2	490.2
147.5°	512.0	511.3	510.6	509.9	510.6	511.3	512.0	512.8	513.1	512.8	512.6
150°	526.2	526.0	525.8	525.6	525.8	526.0	526.2	526.4	526.5	526.5	526.5
152.5°	539.7	539.3	538.9	538.6	538.9	539.3	539.7	540.1	540.2	539.9	539.7
155°	558.6	558.1	557.5	557.0	557.5	558.1	558.6	559.2	559.2	558.8	558.4
157.5°	574.5	573.9	573.2	572.4	573.2	573.9	574.5	575.3	575.4	575.0	574.5
160°	584.7	584.1	583.6	583.1	583.6	584.1	584.7	585.2	585.2	584.8	584.4
162.5°	594.0	593.3	592.7	592.0	592.7	593.3	594.0	594.6	594.7	594.1	593.6
165°	606.1	605.5	604.8	604.2	604.8	605.5	606.1	606.7	606.9	606.4	606.0
167.5°	615.8	615.1	614.4	613.8	614.4	615.1	615.8	616.5	616.5	615.9	615.2
170°	621.2	620.4	619.7	618.9	619.7	620.4	621.2	621.9	622.0	621.3	620.7
172.5°	625.3	624.6	623.9	623.2	623.9	624.6	625.3	625.9	625.9	625.3	624.7
175°	629.6	628.8	628.0	627.2	628.0	628.8	629.6	630.3	630.3	629.6	629.0
177.5°	631.5	630.9	630.2	629.6	630.2	630.9	631.5	632.1	632.1	631.5	631.0
180°	631.2	631.2	631.2	631.2	631.2	631.2	631.2	631.2	631.2	631.2	631.2



TEST NUMBER: P333125-935

CATALOG NUMBER: S125DIP-S375D590U935-4F0-1E-UDD-A1

**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	4.5	4.1	4.1	4.4
90°	8.4	7.8	7.1	6.4	5.6	4.8	4.0	3.1	2.2	1.4	0.5
92.5°	19.5	18.9	17.9	17.0	16.0	15.1	14.3	13.7	13.1	12.5	11.9
95°	38.6	37.8	36.8	35.6	34.5	33.5	32.8	32.5	32.4	32.1	31.9
97.5°	61.0	60.2	58.7	57.2	55.7	54.2	53.4	53.3	53.2	53.1	53.0
100°	76.1	75.2	73.7	72.3	70.9	69.5	68.8	68.8	68.8	68.8	68.8
102.5°	92.0	90.8	90.1	89.5	88.7	88.0	87.4	87.0	86.5	86.1	85.7
105°	118.0	117.4	116.8	116.1	115.5	114.8	114.2	113.7	113.0	112.5	112.0
107.5°	146.1	145.8	145.3	144.7	144.3	143.8	143.3	142.7	142.2	141.6	141.0
110°	165.4	165.1	164.7	164.4	164.0	163.8	163.3	162.7	162.2	161.6	161.1



TEST NUMBER: P333125-935

CATALOG NUMBER: S125DIP-S375D590U935-4F0-1E-UDD-A1

**CANDELA DISTRIBUTION (continued):**

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	184.9	184.7	184.3	183.8	183.5	183.0	182.7	182.4	182.1	181.8	181.5
115°	214.6	214.6	214.4	214.2	214.0	213.8	213.4	213.0	212.6	212.2	211.7
117.5°	243.8	243.7	243.5	243.3	243.1	243.0	242.7	242.5	242.4	242.1	241.9
120°	263.7	263.7	263.6	263.6	263.5	263.3	263.0	262.4	261.9	261.4	260.8
122.5°	283.4	283.4	283.1	282.8	282.6	282.2	282.1	281.8	281.6	281.5	281.3
125°	312.2	312.4	312.3	312.2	312.0	311.9	311.6	310.9	310.2	309.6	308.9
127.5°	340.6	340.7	340.5	340.4	340.3	340.2	339.9	339.5	339.1	338.8	338.5
130°	359.5	359.6	359.3	359.1	358.9	358.7	358.3	357.7	357.2	356.6	356.1
132.5°	377.5	377.6	377.6	377.7	377.7	377.8	377.4	376.4	375.6	374.7	373.8
135°	405.2	405.2	405.1	405.0	404.9	404.8	404.4	403.7	403.1	402.4	401.7
137.5°	432.1	432.0	431.8	431.5	431.4	431.1	430.7	430.0	429.4	428.8	428.1
140°	449.2	448.9	448.6	448.3	448.0	447.6	447.2	446.6	446.1	445.6	445.0
142.5°	466.0	465.8	465.5	465.0	464.6	464.2	463.7	463.3	462.8	462.4	461.9
145°	490.2	490.2	489.9	489.6	489.2	488.9	488.5	488.1	487.7	487.2	486.7
147.5°	512.3	512.0	511.8	511.5	511.2	510.9	510.7	510.5	510.2	510.0	509.7
150°	526.5	526.5	526.1	525.6	525.2	524.8	524.6	524.8	524.9	525.0	525.0
152.5°	539.4	539.2	538.9	538.7	538.6	538.4	538.2	538.1	538.0	537.8	537.6
155°	557.9	557.5	557.4	557.2	557.2	557.1	557.0	557.0	557.0	557.0	557.0
157.5°	574.1	573.7	573.6	573.5	573.3	573.3	573.3	573.6	573.8	574.0	574.3
160°	583.9	583.5	583.4	583.3	583.2	583.1	583.2	583.5	583.8	584.2	584.5
162.5°	593.1	592.5	592.5	592.5	592.5	592.5	592.5	592.8	593.1	593.3	593.6
165°	605.5	605.1	605.0	604.9	604.8	604.7	604.8	604.9	605.2	605.4	605.6
167.5°	614.5	613.9	613.9	613.9	613.9	613.9	614.1	614.5	614.9	615.4	615.9
170°	620.0	619.4	619.4	619.4	619.4	619.4	619.6	620.0	620.4	620.9	621.3
172.5°	624.0	623.3	623.3	623.3	623.3	623.3	623.5	624.0	624.4	624.8	625.3
175°	628.4	627.8	627.8	627.8	627.8	627.8	627.9	628.4	628.8	629.2	629.6
177.5°	630.5	630.0	630.1	630.2	630.3	630.3	630.5	630.9	631.3	631.6	632.0
180°	631.2	631.2	631.2	631.2	631.2	631.2	631.2	631.2	631.2	631.2	631.2



TEST NUMBER: P333125-935

CATALOG NUMBER: S125DIP-S375D590U935-4F0-1E-UDD-A1

**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°	4.4	4.7	5.4	6.4	7.0	7.8	8.3	8.1	7.6	7.2	6.9
90°	1.4	2.2	3.1	4.0	4.8	5.6	6.4	7.1	7.8	8.4	9.0
92.5°	12.5	13.1	13.7	14.3	15.1	16.0	17.0	17.9	18.9	19.5	20.3
95°	32.1	32.4	32.5	32.8	33.5	34.5	35.6	36.8	37.8	38.6	39.3
97.5°	53.1	53.2	53.3	53.4	54.2	55.7	57.2	58.7	60.2	61.0	61.6
100°	68.8	68.8	68.8	68.8	69.5	70.9	72.3	73.7	75.2	76.1	77.1
102.5°	86.1	86.5	87.0	87.4	88.0	88.7	89.5	90.1	90.8	92.0	93.0
105°	112.5	113.0	113.7	114.2	114.8	115.5	116.1	116.8	117.4	118.0	118.7
107.5°	141.6	142.2	142.7	143.3	143.8	144.3	144.7	145.3	145.8	146.1	146.5
110°	161.6	162.2	162.7	163.3	163.8	164.0	164.4	164.7	165.1	165.4	165.7





TEST NUMBER: P333125-935

CATALOG NUMBER: S125DIP-S375D590U935-4F0-1E-UDD-A1

**CANDELA DISTRIBUTION (continued):**

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	181.8	182.1	182.4	182.7	183.0	183.5	183.8	184.3	184.7	184.9	185.0
115°	212.2	212.6	213.0	213.4	213.8	214.0	214.2	214.4	214.6	214.6	214.4
117.5°	242.1	242.4	242.5	242.7	243.0	243.1	243.3	243.5	243.7	243.8	243.9
120°	261.4	261.9	262.4	263.0	263.3	263.5	263.6	263.6	263.7	263.7	263.7
122.5°	281.5	281.6	281.8	282.1	282.2	282.6	282.8	283.1	283.4	283.4	283.3
125°	309.6	310.2	310.9	311.6	311.9	312.0	312.2	312.3	312.4	312.2	311.9
127.5°	338.8	339.1	339.5	339.9	340.2	340.3	340.4	340.5	340.7	340.6	340.4
130°	356.6	357.2	357.7	358.3	358.7	358.9	359.1	359.3	359.6	359.5	359.3
132.5°	374.7	375.6	376.4	377.4	377.8	377.7	377.7	377.6	377.6	377.5	377.4
135°	402.4	403.1	403.7	404.4	404.8	404.9	405.0	405.1	405.2	405.2	405.2
137.5°	428.8	429.4	430.0	430.7	431.1	431.4	431.5	431.8	432.0	432.1	432.3
140°	445.6	446.1	446.6	447.2	447.6	448.0	448.3	448.6	448.9	449.2	449.4
142.5°	462.4	462.8	463.3	463.7	464.2	464.6	465.0	465.5	465.8	466.0	466.1
145°	487.2	487.7	488.1	488.5	488.9	489.2	489.6	489.9	490.2	490.2	490.2
147.5°	510.0	510.2	510.5	510.7	510.9	511.2	511.5	511.8	512.0	512.3	512.6
150°	525.0	524.9	524.8	524.6	524.8	525.2	525.6	526.1	526.5	526.5	526.5
152.5°	537.8	538.0	538.1	538.2	538.4	538.6	538.7	538.9	539.2	539.4	539.7
155°	557.0	557.0	557.0	557.0	557.1	557.2	557.2	557.4	557.5	557.9	558.4
157.5°	574.0	573.8	573.6	573.3	573.3	573.3	573.5	573.6	573.7	574.1	574.5
160°	584.2	583.8	583.5	583.2	583.1	583.2	583.3	583.4	583.5	583.9	584.4
162.5°	593.3	593.1	592.8	592.5	592.5	592.5	592.5	592.5	592.5	593.1	593.6
165°	605.4	605.2	604.9	604.8	604.7	604.8	604.9	605.0	605.1	605.5	606.0
167.5°	615.4	614.9	614.5	614.1	613.9	613.9	613.9	613.9	613.9	614.5	615.2
170°	620.9	620.4	620.0	619.6	619.4	619.4	619.4	619.4	619.4	620.0	620.7
172.5°	624.8	624.4	624.0	623.5	623.3	623.3	623.3	623.3	623.3	624.0	624.7
175°	629.2	628.8	628.4	627.9	627.8	627.8	627.8	627.8	627.8	628.4	629.0
177.5°	631.6	631.3	630.9	630.5	630.3	630.3	630.2	630.1	630.0	630.5	631.0
180°	631.2	631.2	631.2	631.2	631.2	631.2	631.2	631.2	631.2	631.2	631.2



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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	6.5	6.5	6.5	6.5	6.2
90°	9.5	10.1	10.5	10.8	11.1	11.5	11.8
92.5°	21.0	21.8	22.2	22.5	22.7	22.9	23.2
95°	40.1	40.9	41.3	41.6	41.8	42.0	42.3
97.5°	62.4	63.1	63.5	63.6	63.8	63.9	64.1
100°	78.1	79.0	79.6	79.9	80.2	80.3	80.6
102.5°	94.1	95.1	95.8	96.2	96.4	96.8	97.0
105°	119.3	120.0	120.5	120.8	121.1	121.5	121.8
107.5°	146.8	147.1	147.2	147.2	147.2	147.1	147.1
110°	166.0	166.3	166.4	166.3	166.3	166.1	166.0



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**CANDELA DISTRIBUTION (continued):**

	330°	335°	340°	345°	350°	355°	360°
112.5°	185.1	185.3	185.3	185.1	184.9	184.7	184.5
115°	214.3	214.2	214.1	214.0	213.9	213.8	213.7
117.5°	244.0	244.1	243.9	243.5	243.1	242.6	242.1
120°	263.7	263.7	263.6	263.1	262.7	262.3	261.8
122.5°	283.2	283.1	282.8	282.5	282.1	281.8	281.5
125°	311.8	311.5	311.3	311.3	311.2	311.0	310.9
127.5°	340.4	340.3	340.1	339.8	339.7	339.4	339.2
130°	359.2	359.1	359.0	358.7	358.5	358.3	358.1
132.5°	377.3	377.2	376.9	376.7	376.3	376.1	375.7
135°	405.2	405.2	405.0	404.6	404.2	403.7	403.3
137.5°	432.4	432.6	432.4	431.8	431.3	430.8	430.2
140°	449.6	449.8	449.6	449.1	448.6	448.0	447.5
142.5°	466.2	466.3	466.1	465.6	465.0	464.5	464.0
145°	490.2	490.2	490.0	489.7	489.4	489.0	488.7
147.5°	512.8	513.1	512.8	512.0	511.3	510.6	509.9
150°	526.5	526.5	526.4	526.2	526.0	525.8	525.6
152.5°	539.9	540.2	540.1	539.7	539.3	538.9	538.6
155°	558.8	559.2	559.2	558.6	558.1	557.5	557.0
157.5°	575.0	575.4	575.3	574.5	573.9	573.2	572.4
160°	584.8	585.2	585.2	584.7	584.1	583.6	583.1
162.5°	594.1	594.7	594.6	594.0	593.3	592.7	592.0
165°	606.4	606.9	606.7	606.1	605.5	604.8	604.2
167.5°	615.9	616.5	616.5	615.8	615.1	614.4	613.8
170°	621.3	622.0	621.9	621.2	620.4	619.7	618.9
172.5°	625.3	625.9	625.9	625.3	624.6	623.9	623.2
175°	629.6	630.3	630.3	629.6	628.8	628.0	627.2
177.5°	631.5	632.1	632.1	631.5	630.9	630.2	629.6
180°	631.2	631.2	631.2	631.2	631.2	631.2	631.2

(END OF REPORT)