

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: P333134-935

Luminaire Tested: **S125DIP-S375D810U935-4F0-1E-UDD-A1**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P333134-935  
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-S375D810U935-4F0-1E-UDD-A1  
Description: DEFINE 5 DIRECT-INDIRECT PENDANT LED LUMINAIRE  
DOWNLIGHT 375 LUMENS PER FOOT, ASYMMETRIC DIFFUSER  
UPLIGHT 810 LUMENS PER FOOT, FLUSH SATIN WHITE DIFFUSER  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 3738.7 lumens  
Efficiency: N/A  
Efficacy: 119.8 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

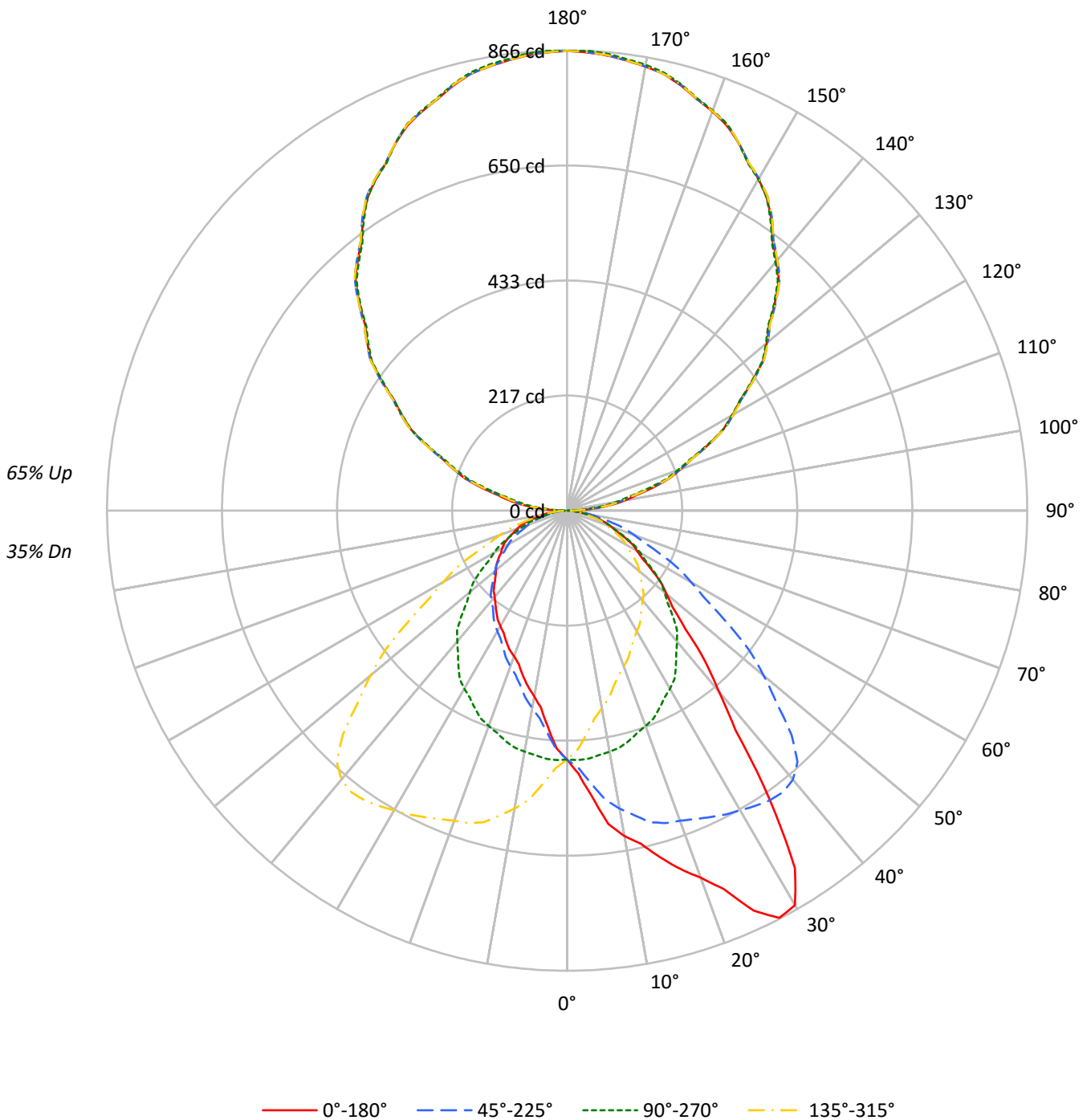
Input Watts (W): 31.2  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	104	104	104	104	94	94	94	94	75	75	75	58	58	58	43	43	43	35
1	95	91	87	83	85	82	79	76	66	64	62	51	50	49	38	37	36	30
2	86	79	73	68	78	72	67	63	58	55	51	45	43	41	34	32	31	25
3	79	70	63	57	71	63	57	52	51	47	43	40	37	35	30	28	26	22
4	72	62	54	48	65	56	49	44	46	41	37	36	32	30	27	25	23	19
5	66	55	47	41	60	50	43	38	41	36	32	32	29	26	24	22	20	16
6	61	49	41	36	55	45	38	33	37	32	28	29	25	23	22	19	17	14
7	56	44	37	31	51	40	34	29	33	28	24	26	23	20	20	17	16	13
8	52	40	33	27	47	37	30	25	30	25	22	24	20	18	18	16	14	11
9	48	36	29	24	44	33	27	23	28	23	19	22	18	16	17	14	13	10
10	45	33	26	22	41	31	24	20	25	20	17	20	17	14	16	13	11	9

**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	1.2
10°-20°	134.4	3.6
20°-30°	218.2	5.8
30°-40°	266.1	7.1
40°-50°	242.1	6.5
50°-60°	192.8	5.2
60°-70°	134.3	3.6
70°-80°	71.6	1.9
80°-90°	20.0	0.5
90°-100°	57.9	1.5
100°-110°	171.1	4.6
110°-120°	289.8	7.8
120°-130°	381.4	10.2
130°-140°	427.4	11.4
140°-150°	418.9	11.2
150°-160°	351.8	9.4
160°-170°	233.9	6.3
170°-180°	81.8	2.2
0°-30°	397.6	10.6
0°-40°	663.7	17.8
0°-60°	1098.7	29.4
0°-90°	1324.5	35.4
90°-120°	518.9	13.9
90°-150°	1746.6	46.7
90°-180°	2414.0	64.6
0°-180°	3738.7	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	16
90°	16	1	16	1	16	10
95°	58	44	58	44	58	59
105°	167	154	167	154	167	177
115°	293	290	293	290	293	290
125°	426	423	426	423	426	380
135°	553	551	553	551	553	426
145°	670	667	670	667	670	418
155°	763	763	763	763	763	351
165°	828	830	828	830	828	233
175°	860	863	860	863	860	82
180°	865	865	865	865	865	



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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°	7.1	7.3	7.3	7.2	7.3	7.2	7.7	7.6	7.8	8.2	8.6
90°	16.2	15.7	15.2	14.8	14.4	13.8	13.0	12.2	11.5	10.8	9.7
92.5°	31.8	31.4	31.1	30.8	30.5	29.8	28.8	27.8	26.9	25.8	24.5
95°	57.9	57.6	57.3	57.0	56.7	56.1	55.0	53.9	52.9	51.8	50.4
97.5°	87.8	87.6	87.4	87.2	87.0	86.5	85.5	84.6	83.5	82.6	80.5
100°	110.4	110.1	109.8	109.5	109.3	108.4	107.0	105.7	104.4	103.0	101.1
102.5°	133.0	132.6	132.2	131.8	131.4	130.4	129.0	127.5	126.1	124.6	123.6
105°	166.9	166.5	166.1	165.7	165.1	164.5	163.6	162.7	161.8	160.9	160.0
107.5°	201.7	201.7	201.7	201.8	201.8	201.6	201.1	200.7	200.3	199.8	199.1
110°	227.6	227.7	227.8	228.0	228.2	228.0	227.6	227.1	226.7	226.2	225.8



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**CANDELA DISTRIBUTION (continued):**

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	252.9	253.1	253.4	253.7	254.0	254.0	253.7	253.6	253.4	253.1	252.6
115°	292.9	293.0	293.2	293.3	293.4	293.6	293.8	293.9	294.0	294.2	293.9
117.5°	331.9	332.5	333.1	333.7	334.3	334.6	334.4	334.3	334.2	334.1	333.8
120°	358.9	359.5	360.1	360.7	361.3	361.5	361.5	361.5	361.5	361.5	361.4
122.5°	385.8	386.2	386.8	387.2	387.7	388.0	388.1	388.2	388.3	388.5	388.1
125°	426.2	426.4	426.5	426.6	426.8	427.0	427.3	427.6	427.9	428.2	428.0
127.5°	464.9	465.3	465.5	465.9	466.1	466.4	466.5	466.7	466.8	467.0	466.8
130°	490.8	491.1	491.4	491.7	492.0	492.2	492.4	492.5	492.7	492.8	492.5
132.5°	515.1	515.5	515.9	516.3	516.7	517.0	517.1	517.3	517.5	517.6	517.6
135°	552.8	553.4	554.0	554.6	555.2	555.4	555.4	555.4	555.4	555.4	555.3
137.5°	589.6	590.4	591.2	591.9	592.6	592.9	592.7	592.5	592.4	592.2	591.9
140°	613.4	614.1	614.8	615.6	616.3	616.6	616.2	616.0	615.7	615.4	614.9
142.5°	635.9	636.7	637.5	638.2	638.9	639.2	639.0	638.9	638.7	638.5	637.9
145°	669.9	670.4	670.8	671.2	671.7	671.9	671.9	671.9	671.9	671.9	671.5
147.5°	698.9	699.9	700.9	701.9	702.9	703.3	702.9	702.5	702.1	701.8	701.5
150°	720.4	720.7	721.0	721.3	721.6	721.8	721.8	721.8	721.8	721.8	721.2
152.5°	738.1	738.7	739.3	739.8	740.3	740.4	740.0	739.7	739.3	739.0	738.7
155°	763.4	764.2	765.0	765.7	766.5	766.5	765.9	765.3	764.7	764.1	764.0
157.5°	784.6	785.6	786.6	787.6	788.6	788.8	788.2	787.6	787.0	786.4	786.2
160°	799.2	799.9	800.6	801.4	802.2	802.2	801.6	801.1	800.5	799.9	799.7
162.5°	811.6	812.4	813.3	814.2	815.0	815.1	814.4	813.6	813.0	812.3	812.2
165°	828.1	829.0	829.9	830.8	831.7	831.8	831.3	830.7	830.1	829.5	829.3
167.5°	841.3	842.2	843.2	844.1	845.0	845.1	844.1	843.3	842.3	841.5	841.5
170°	848.3	849.4	850.4	851.4	852.5	852.6	851.7	850.8	849.9	848.9	848.9
172.5°	854.2	855.1	856.1	857.0	858.0	858.0	857.0	856.2	855.2	854.4	854.4
175°	859.8	860.8	861.9	862.9	863.9	864.0	863.2	862.2	861.3	860.4	860.4
177.5°	863.0	863.8	864.7	865.5	866.3	866.4	865.6	865.0	864.3	863.5	863.7
180°	865.1	865.1	865.1	865.1	865.1	865.1	865.1	865.1	865.1	865.1	865.1



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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°	8.7	8.2	7.4	6.6	5.6	4.9	4.5	4.4	4.2	4.3	4.6
90°	8.7	7.7	6.5	5.4	4.3	3.1	1.9	0.7	1.9	3.1	4.3
92.5°	23.2	22.0	20.7	19.6	18.8	18.0	17.1	16.3	17.1	18.0	18.8
95°	48.8	47.4	45.9	44.9	44.7	44.3	44.1	43.7	44.1	44.3	44.7
97.5°	78.4	76.4	74.3	73.2	73.1	72.9	72.8	72.8	72.8	72.9	73.1
100°	99.1	97.2	95.2	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3
102.5°	122.6	121.6	120.6	119.9	119.2	118.6	118.0	117.4	118.0	118.6	119.2
105°	159.1	158.3	157.3	156.5	155.8	155.0	154.3	153.5	154.3	155.0	155.8
107.5°	198.5	197.8	197.1	196.4	195.6	194.8	194.1	193.4	194.1	194.8	195.6
110°	225.3	224.9	224.5	223.9	223.1	222.3	221.6	220.8	221.6	222.3	223.1





TEST NUMBER: P333134-935

CATALOG NUMBER: S125DIP-S375D810U935-4F0-1E-UDD-A1

**CANDELA DISTRIBUTION (continued):**

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	252.0	251.4	250.9	250.4	250.0	249.6	249.3	248.8	249.3	249.6	250.0
115°	293.6	293.3	293.0	292.6	292.0	291.4	290.8	290.2	290.8	291.4	292.0
117.5°	333.6	333.3	333.0	332.7	332.4	332.2	331.9	331.7	331.9	332.2	332.4
120°	361.3	361.1	360.9	360.5	359.7	359.0	358.3	357.5	358.3	359.0	359.7
122.5°	387.7	387.3	386.9	386.6	386.3	386.1	385.8	385.5	385.8	386.1	386.3
125°	427.9	427.7	427.6	427.1	426.2	425.2	424.4	423.4	424.4	425.2	426.2
127.5°	466.6	466.4	466.2	465.9	465.4	464.9	464.4	463.9	464.4	464.9	465.4
130°	492.2	491.9	491.6	491.1	490.3	489.7	488.9	488.1	488.9	489.7	490.3
132.5°	517.7	517.8	517.8	517.3	516.0	514.8	513.6	512.4	513.6	514.8	516.0
135°	555.2	555.0	554.8	554.3	553.5	552.5	551.6	550.7	551.6	552.5	553.5
137.5°	591.5	591.2	590.9	590.3	589.4	588.6	587.7	586.9	587.7	588.6	589.4
140°	614.5	614.0	613.5	612.9	612.3	611.5	610.7	610.0	610.7	611.5	612.3
142.5°	637.4	636.8	636.3	635.7	635.0	634.4	633.8	633.2	633.8	634.4	635.0
145°	671.0	670.5	670.1	669.6	669.0	668.4	667.8	667.2	667.8	668.4	669.0
147.5°	701.1	700.8	700.3	700.0	699.7	699.4	699.0	698.7	699.0	699.4	699.7
150°	720.6	720.0	719.4	719.1	719.3	719.5	719.5	719.7	719.5	719.5	719.3
152.5°	738.5	738.2	738.0	737.8	737.6	737.4	737.2	736.9	737.2	737.4	737.6
155°	763.9	763.7	763.5	763.4	763.4	763.4	763.4	763.4	763.4	763.4	763.4
157.5°	786.1	785.9	785.7	785.8	786.2	786.5	786.9	787.2	786.9	786.5	786.2
160°	799.5	799.4	799.3	799.4	799.9	800.3	800.7	801.2	800.7	800.3	799.9
162.5°	812.2	812.1	812.1	812.3	812.6	812.9	813.2	813.6	813.2	812.9	812.6
165°	829.1	829.0	828.9	829.0	829.2	829.6	829.8	830.2	829.8	829.6	829.2
167.5°	841.5	841.5	841.5	841.7	842.3	842.9	843.5	844.1	843.5	842.9	842.3
170°	848.9	848.9	848.9	849.3	849.9	850.5	851.1	851.7	851.1	850.5	849.9
172.5°	854.4	854.4	854.4	854.6	855.2	855.8	856.4	857.0	856.4	855.8	855.2
175°	860.4	860.4	860.4	860.7	861.3	861.9	862.5	863.2	862.5	861.9	861.3
177.5°	863.8	863.9	864.0	864.3	864.8	865.3	865.7	866.3	865.7	865.3	864.8
180°	865.1	865.1	865.1	865.1	865.1	865.1	865.1	865.1	865.1	865.1	865.1



TEST NUMBER: P333134-935

CATALOG NUMBER: S125DIP-S375D810U935-4F0-1E-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°	5.1	5.6	5.7	6.0	6.3	6.8	6.8	7.6	8.0	8.5	8.4
90°	5.4	6.5	7.7	8.7	9.7	10.8	11.5	12.2	13.0	13.8	14.4
92.5°	19.6	20.7	22.0	23.2	24.5	25.8	26.9	27.8	28.8	29.8	30.5
95°	44.9	45.9	47.4	48.8	50.4	51.8	52.9	53.9	55.0	56.1	56.7
97.5°	73.2	74.3	76.4	78.4	80.5	82.6	83.5	84.6	85.5	86.5	87.0
100°	94.3	95.2	97.2	99.1	101.1	103.0	104.4	105.7	107.0	108.4	109.3
102.5°	119.9	120.6	121.6	122.6	123.6	124.6	126.1	127.5	129.0	130.4	131.4
105°	156.5	157.3	158.3	159.1	160.0	160.9	161.8	162.7	163.6	164.5	165.1
107.5°	196.4	197.1	197.8	198.5	199.1	199.8	200.3	200.7	201.1	201.6	201.8
110°	223.9	224.5	224.9	225.3	225.8	226.2	226.7	227.1	227.6	228.0	228.2



TEST NUMBER: P333134-935

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**CANDELA DISTRIBUTION (continued):**

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	250.4	250.9	251.4	252.0	252.6	253.1	253.4	253.6	253.7	254.0	254.0
115°	292.6	293.0	293.3	293.6	293.9	294.2	294.0	293.9	293.8	293.6	293.4
117.5°	332.7	333.0	333.3	333.6	333.8	334.1	334.2	334.3	334.4	334.6	334.3
120°	360.5	360.9	361.1	361.3	361.4	361.5	361.5	361.5	361.5	361.5	361.3
122.5°	386.6	386.9	387.3	387.7	388.1	388.5	388.3	388.2	388.1	388.0	387.7
125°	427.1	427.6	427.7	427.9	428.0	428.2	427.9	427.6	427.3	427.0	426.8
127.5°	465.9	466.2	466.4	466.6	466.8	467.0	466.8	466.7	466.5	466.4	466.1
130°	491.1	491.6	491.9	492.2	492.5	492.8	492.7	492.5	492.4	492.2	492.0
132.5°	517.3	517.8	517.8	517.7	517.6	517.6	517.5	517.3	517.1	517.0	516.7
135°	554.3	554.8	555.0	555.2	555.3	555.4	555.4	555.4	555.4	555.4	555.2
137.5°	590.3	590.9	591.2	591.5	591.9	592.2	592.4	592.5	592.7	592.9	592.6
140°	612.9	613.5	614.0	614.5	614.9	615.4	615.7	616.0	616.2	616.6	616.3
142.5°	635.7	636.3	636.8	637.4	637.9	638.5	638.7	638.9	639.0	639.2	638.9
145°	669.6	670.1	670.5	671.0	671.5	671.9	671.9	671.9	671.9	671.9	671.7
147.5°	700.0	700.3	700.8	701.1	701.5	701.8	702.1	702.5	702.9	703.3	702.9
150°	719.1	719.4	720.0	720.6	721.2	721.8	721.8	721.8	721.8	721.8	721.6
152.5°	737.8	738.0	738.2	738.5	738.7	739.0	739.3	739.7	740.0	740.4	740.3
155°	763.4	763.5	763.7	763.9	764.0	764.1	764.7	765.3	765.9	766.5	766.5
157.5°	785.8	785.7	785.9	786.1	786.2	786.4	787.0	787.6	788.2	788.8	788.6
160°	799.4	799.3	799.4	799.5	799.7	799.9	800.5	801.1	801.6	802.2	802.2
162.5°	812.3	812.1	812.1	812.2	812.2	812.3	813.0	813.6	814.4	815.1	815.0
165°	829.0	828.9	829.0	829.1	829.3	829.5	830.1	830.7	831.3	831.8	831.7
167.5°	841.7	841.5	841.5	841.5	841.5	841.5	842.3	843.3	844.1	845.1	845.0
170°	849.3	848.9	848.9	848.9	848.9	848.9	849.9	850.8	851.7	852.6	852.5
172.5°	854.6	854.4	854.4	854.4	854.4	854.4	855.2	856.2	857.0	858.0	858.0
175°	860.7	860.4	860.4	860.4	860.4	860.4	861.3	862.2	863.2	864.0	863.9
177.5°	864.3	864.0	863.9	863.8	863.7	863.5	864.3	865.0	865.6	866.4	866.3
180°	865.1	865.1	865.1	865.1	865.1	865.1	865.1	865.1	865.1	865.1	865.1



TEST NUMBER: P333134-935

CATALOG NUMBER: S125DIP-S375D810U935-4F0-1E-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°	8.9	8.8	8.9	9.3	8.9	8.8	8.9	8.4	8.5	8.0	7.6
90°	14.8	15.2	15.7	16.2	15.7	15.2	14.8	14.4	13.8	13.0	12.2
92.5°	30.8	31.1	31.4	31.8	31.4	31.1	30.8	30.5	29.8	28.8	27.8
95°	57.0	57.3	57.6	57.9	57.6	57.3	57.0	56.7	56.1	55.0	53.9
97.5°	87.2	87.4	87.6	87.8	87.6	87.4	87.2	87.0	86.5	85.5	84.6
100°	109.5	109.8	110.1	110.4	110.1	109.8	109.5	109.3	108.4	107.0	105.7
102.5°	131.8	132.2	132.6	133.0	132.6	132.2	131.8	131.4	130.4	129.0	127.5
105°	165.7	166.1	166.5	166.9	166.5	166.1	165.7	165.1	164.5	163.6	162.7
107.5°	201.8	201.7	201.7	201.7	201.7	201.7	201.8	201.8	201.6	201.1	200.7
110°	228.0	227.8	227.7	227.6	227.7	227.8	228.0	228.2	228.0	227.6	227.1



TEST NUMBER: P333134-935

CATALOG NUMBER: S125DIP-S375D810U935-4F0-1E-UDD-A1

**CANDELA DISTRIBUTION (continued):**

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	253.7	253.4	253.1	252.9	253.1	253.4	253.7	254.0	254.0	253.7	253.6
115°	293.3	293.2	293.0	292.9	293.0	293.2	293.3	293.4	293.6	293.8	293.9
117.5°	333.7	333.1	332.5	331.9	332.5	333.1	333.7	334.3	334.6	334.4	334.3
120°	360.7	360.1	359.5	358.9	359.5	360.1	360.7	361.3	361.5	361.5	361.5
122.5°	387.2	386.8	386.2	385.8	386.2	386.8	387.2	387.7	388.0	388.1	388.2
125°	426.6	426.5	426.4	426.2	426.4	426.5	426.6	426.8	427.0	427.3	427.6
127.5°	465.9	465.5	465.3	464.9	465.3	465.5	465.9	466.1	466.4	466.5	466.7
130°	491.7	491.4	491.1	490.8	491.1	491.4	491.7	492.0	492.2	492.4	492.5
132.5°	516.3	515.9	515.5	515.1	515.5	515.9	516.3	516.7	517.0	517.1	517.3
135°	554.6	554.0	553.4	552.8	553.4	554.0	554.6	555.2	555.4	555.4	555.4
137.5°	591.9	591.2	590.4	589.6	590.4	591.2	591.9	592.6	592.9	592.7	592.5
140°	615.6	614.8	614.1	613.4	614.1	614.8	615.6	616.3	616.6	616.2	616.0
142.5°	638.2	637.5	636.7	635.9	636.7	637.5	638.2	638.9	639.2	639.0	638.9
145°	671.2	670.8	670.4	669.9	670.4	670.8	671.2	671.7	671.9	671.9	671.9
147.5°	701.9	700.9	699.9	698.9	699.9	700.9	701.9	702.9	703.3	702.9	702.5
150°	721.3	721.0	720.7	720.4	720.7	721.0	721.3	721.6	721.8	721.8	721.8
152.5°	739.8	739.3	738.7	738.1	738.7	739.3	739.8	740.3	740.4	740.0	739.7
155°	765.7	765.0	764.2	763.4	764.2	765.0	765.7	766.5	766.5	765.9	765.3
157.5°	787.6	786.6	785.6	784.6	785.6	786.6	787.6	788.6	788.8	788.2	787.6
160°	801.4	800.6	799.9	799.2	799.9	800.6	801.4	802.2	802.2	801.6	801.1
162.5°	814.2	813.3	812.4	811.6	812.4	813.3	814.2	815.0	815.1	814.4	813.6
165°	830.8	829.9	829.0	828.1	829.0	829.9	830.8	831.7	831.8	831.3	830.7
167.5°	844.1	843.2	842.2	841.3	842.2	843.2	844.1	845.0	845.1	844.1	843.3
170°	851.4	850.4	849.4	848.3	849.4	850.4	851.4	852.5	852.6	851.7	850.8
172.5°	857.0	856.1	855.1	854.2	855.1	856.1	857.0	858.0	858.0	857.0	856.2
175°	862.9	861.9	860.8	859.8	860.8	861.9	862.9	863.9	864.0	863.2	862.2
177.5°	865.5	864.7	863.8	863.0	863.8	864.7	865.5	866.3	866.4	865.6	865.0
180°	865.1	865.1	865.1	865.1	865.1	865.1	865.1	865.1	865.1	865.1	865.1



TEST NUMBER: P333134-935

CATALOG NUMBER: S125DIP-S375D810U935-4F0-1E-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°	6.8	6.8	6.3	6.0	5.7	5.6	5.1	4.6	4.3	4.2	4.4
90°	11.5	10.8	9.7	8.7	7.7	6.5	5.4	4.3	3.1	1.9	0.7
92.5°	26.9	25.8	24.5	23.2	22.0	20.7	19.6	18.8	18.0	17.1	16.3
95°	52.9	51.8	50.4	48.8	47.4	45.9	44.9	44.7	44.3	44.1	43.7
97.5°	83.5	82.6	80.5	78.4	76.4	74.3	73.2	73.1	72.9	72.8	72.8
100°	104.4	103.0	101.1	99.1	97.2	95.2	94.3	94.3	94.3	94.3	94.3
102.5°	126.1	124.6	123.6	122.6	121.6	120.6	119.9	119.2	118.6	118.0	117.4
105°	161.8	160.9	160.0	159.1	158.3	157.3	156.5	155.8	155.0	154.3	153.5
107.5°	200.3	199.8	199.1	198.5	197.8	197.1	196.4	195.6	194.8	194.1	193.4
110°	226.7	226.2	225.8	225.3	224.9	224.5	223.9	223.1	222.3	221.6	220.8



TEST NUMBER: P333134-935

CATALOG NUMBER: S125DIP-S375D810U935-4F0-1E-UDD-A1

**CANDELA DISTRIBUTION (continued):**

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	253.4	253.1	252.6	252.0	251.4	250.9	250.4	250.0	249.6	249.3	248.8
115°	294.0	294.2	293.9	293.6	293.3	293.0	292.6	292.0	291.4	290.8	290.2
117.5°	334.2	334.1	333.8	333.6	333.3	333.0	332.7	332.4	332.2	331.9	331.7
120°	361.5	361.5	361.4	361.3	361.1	360.9	360.5	359.7	359.0	358.3	357.5
122.5°	388.3	388.5	388.1	387.7	387.3	386.9	386.6	386.3	386.1	385.8	385.5
125°	427.9	428.2	428.0	427.9	427.7	427.6	427.1	426.2	425.2	424.4	423.4
127.5°	466.8	467.0	466.8	466.6	466.4	466.2	465.9	465.4	464.9	464.4	463.9
130°	492.7	492.8	492.5	492.2	491.9	491.6	491.1	490.3	489.7	488.9	488.1
132.5°	517.5	517.6	517.6	517.7	517.8	517.8	517.3	516.0	514.8	513.6	512.4
135°	555.4	555.4	555.3	555.2	555.0	554.8	554.3	553.5	552.5	551.6	550.7
137.5°	592.4	592.2	591.9	591.5	591.2	590.9	590.3	589.4	588.6	587.7	586.9
140°	615.7	615.4	614.9	614.5	614.0	613.5	612.9	612.3	611.5	610.7	610.0
142.5°	638.7	638.5	637.9	637.4	636.8	636.3	635.7	635.0	634.4	633.8	633.2
145°	671.9	671.9	671.5	671.0	670.5	670.1	669.6	669.0	668.4	667.8	667.2
147.5°	702.1	701.8	701.5	701.1	700.8	700.3	700.0	699.7	699.4	699.0	698.7
150°	721.8	721.8	721.2	720.6	720.0	719.4	719.1	719.3	719.5	719.5	719.7
152.5°	739.3	739.0	738.7	738.5	738.2	738.0	737.8	737.6	737.4	737.2	736.9
155°	764.7	764.1	764.0	763.9	763.7	763.5	763.4	763.4	763.4	763.4	763.4
157.5°	787.0	786.4	786.2	786.1	785.9	785.7	785.8	786.2	786.5	786.9	787.2
160°	800.5	799.9	799.7	799.5	799.4	799.3	799.4	799.9	800.3	800.7	801.2
162.5°	813.0	812.3	812.2	812.2	812.1	812.1	812.3	812.6	812.9	813.2	813.6
165°	830.1	829.5	829.3	829.1	829.0	828.9	829.0	829.2	829.6	829.8	830.2
167.5°	842.3	841.5	841.5	841.5	841.5	841.5	841.7	842.3	842.9	843.5	844.1
170°	849.9	848.9	848.9	848.9	848.9	848.9	849.3	849.9	850.5	851.1	851.7
172.5°	855.2	854.4	854.4	854.4	854.4	854.4	854.6	855.2	855.8	856.4	857.0
175°	861.3	860.4	860.4	860.4	860.4	860.4	860.7	861.3	861.9	862.5	863.2
177.5°	864.3	863.5	863.7	863.8	863.9	864.0	864.3	864.8	865.3	865.7	866.3
180°	865.1	865.1	865.1	865.1	865.1	865.1	865.1	865.1	865.1	865.1	865.1



TEST NUMBER: P333134-935

CATALOG NUMBER: S125DIP-S375D810U935-4F0-1E-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°	4.5	4.9	5.6	6.6	7.4	8.2	8.7	8.6	8.2	7.8	7.6
90°	1.9	3.1	4.3	5.4	6.5	7.7	8.7	9.7	10.8	11.5	12.2
92.5°	17.1	18.0	18.8	19.6	20.7	22.0	23.2	24.5	25.8	26.9	27.8
95°	44.1	44.3	44.7	44.9	45.9	47.4	48.8	50.4	51.8	52.9	53.9
97.5°	72.8	72.9	73.1	73.2	74.3	76.4	78.4	80.5	82.6	83.5	84.6
100°	94.3	94.3	94.3	94.3	95.2	97.2	99.1	101.1	103.0	104.4	105.7
102.5°	118.0	118.6	119.2	119.9	120.6	121.6	122.6	123.6	124.6	126.1	127.5
105°	154.3	155.0	155.8	156.5	157.3	158.3	159.1	160.0	160.9	161.8	162.7
107.5°	194.1	194.8	195.6	196.4	197.1	197.8	198.5	199.1	199.8	200.3	200.7
110°	221.6	222.3	223.1	223.9	224.5	224.9	225.3	225.8	226.2	226.7	227.1





TEST NUMBER: P333134-935

CATALOG NUMBER: S125DIP-S375D810U935-4F0-1E-UDD-A1

**CANDELA DISTRIBUTION (continued):**

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	249.3	249.6	250.0	250.4	250.9	251.4	252.0	252.6	253.1	253.4	253.6
115°	290.8	291.4	292.0	292.6	293.0	293.3	293.6	293.9	294.2	294.0	293.9
117.5°	331.9	332.2	332.4	332.7	333.0	333.3	333.6	333.8	334.1	334.2	334.3
120°	358.3	359.0	359.7	360.5	360.9	361.1	361.3	361.4	361.5	361.5	361.5
122.5°	385.8	386.1	386.3	386.6	386.9	387.3	387.7	388.1	388.5	388.3	388.2
125°	424.4	425.2	426.2	427.1	427.6	427.7	427.9	428.0	428.2	427.9	427.6
127.5°	464.4	464.9	465.4	465.9	466.2	466.4	466.6	466.8	467.0	466.8	466.7
130°	488.9	489.7	490.3	491.1	491.6	491.9	492.2	492.5	492.8	492.7	492.5
132.5°	513.6	514.8	516.0	517.3	517.8	517.8	517.7	517.6	517.6	517.5	517.3
135°	551.6	552.5	553.5	554.3	554.8	555.0	555.2	555.3	555.4	555.4	555.4
137.5°	587.7	588.6	589.4	590.3	590.9	591.2	591.5	591.9	592.2	592.4	592.5
140°	610.7	611.5	612.3	612.9	613.5	614.0	614.5	614.9	615.4	615.7	616.0
142.5°	633.8	634.4	635.0	635.7	636.3	636.8	637.4	637.9	638.5	638.7	638.9
145°	667.8	668.4	669.0	669.6	670.1	670.5	671.0	671.5	671.9	671.9	671.9
147.5°	699.0	699.4	699.7	700.0	700.3	700.8	701.1	701.5	701.8	702.1	702.5
150°	719.5	719.5	719.3	719.1	719.4	720.0	720.6	721.2	721.8	721.8	721.8
152.5°	737.2	737.4	737.6	737.8	738.0	738.2	738.5	738.7	739.0	739.3	739.7
155°	763.4	763.4	763.4	763.4	763.5	763.7	763.9	764.0	764.1	764.7	765.3
157.5°	786.9	786.5	786.2	785.8	785.7	785.9	786.1	786.2	786.4	787.0	787.6
160°	800.7	800.3	799.9	799.4	799.3	799.4	799.5	799.7	799.9	800.5	801.1
162.5°	813.2	812.9	812.6	812.3	812.1	812.1	812.2	812.2	812.3	813.0	813.6
165°	829.8	829.6	829.2	829.0	828.9	829.0	829.1	829.3	829.5	830.1	830.7
167.5°	843.5	842.9	842.3	841.7	841.5	841.5	841.5	841.5	841.5	842.3	843.3
170°	851.1	850.5	849.9	849.3	848.9	848.9	848.9	848.9	848.9	849.9	850.8
172.5°	856.4	855.8	855.2	854.6	854.4	854.4	854.4	854.4	854.4	855.2	856.2
175°	862.5	861.9	861.3	860.7	860.4	860.4	860.4	860.4	860.4	861.3	862.2
177.5°	865.7	865.3	864.8	864.3	864.0	863.9	863.8	863.7	863.5	864.3	865.0
180°	865.1	865.1	865.1	865.1	865.1	865.1	865.1	865.1	865.1	865.1	865.1



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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°	7.7	7.2	7.3	7.2	7.3	7.3	7.1
90°	13.0	13.8	14.4	14.8	15.2	15.7	16.2
92.5°	28.8	29.8	30.5	30.8	31.1	31.4	31.8
95°	55.0	56.1	56.7	57.0	57.3	57.6	57.9
97.5°	85.5	86.5	87.0	87.2	87.4	87.6	87.8
100°	107.0	108.4	109.3	109.5	109.8	110.1	110.4
102.5°	129.0	130.4	131.4	131.8	132.2	132.6	133.0
105°	163.6	164.5	165.1	165.7	166.1	166.5	166.9
107.5°	201.1	201.6	201.8	201.8	201.7	201.7	201.7
110°	227.6	228.0	228.2	228.0	227.8	227.7	227.6



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**CANDELA DISTRIBUTION (continued):**

	330°	335°	340°	345°	350°	355°	360°
112.5°	253.7	254.0	254.0	253.7	253.4	253.1	252.9
115°	293.8	293.6	293.4	293.3	293.2	293.0	292.9
117.5°	334.4	334.6	334.3	333.7	333.1	332.5	331.9
120°	361.5	361.5	361.3	360.7	360.1	359.5	358.9
122.5°	388.1	388.0	387.7	387.2	386.8	386.2	385.8
125°	427.3	427.0	426.8	426.6	426.5	426.4	426.2
127.5°	466.5	466.4	466.1	465.9	465.5	465.3	464.9
130°	492.4	492.2	492.0	491.7	491.4	491.1	490.8
132.5°	517.1	517.0	516.7	516.3	515.9	515.5	515.1
135°	555.4	555.4	555.2	554.6	554.0	553.4	552.8
137.5°	592.7	592.9	592.6	591.9	591.2	590.4	589.6
140°	616.2	616.6	616.3	615.6	614.8	614.1	613.4
142.5°	639.0	639.2	638.9	638.2	637.5	636.7	635.9
145°	671.9	671.9	671.7	671.2	670.8	670.4	669.9
147.5°	702.9	703.3	702.9	701.9	700.9	699.9	698.9
150°	721.8	721.8	721.6	721.3	721.0	720.7	720.4
152.5°	740.0	740.4	740.3	739.8	739.3	738.7	738.1
155°	765.9	766.5	766.5	765.7	765.0	764.2	763.4
157.5°	788.2	788.8	788.6	787.6	786.6	785.6	784.6
160°	801.6	802.2	802.2	801.4	800.6	799.9	799.2
162.5°	814.4	815.1	815.0	814.2	813.3	812.4	811.6
165°	831.3	831.8	831.7	830.8	829.9	829.0	828.1
167.5°	844.1	845.1	845.0	844.1	843.2	842.2	841.3
170°	851.7	852.6	852.5	851.4	850.4	849.4	848.3
172.5°	857.0	858.0	858.0	857.0	856.1	855.1	854.2
175°	863.2	864.0	863.9	862.9	861.9	860.8	859.8
177.5°	865.6	866.4	866.3	865.5	864.7	863.8	863.0
180°	865.1	865.1	865.1	865.1	865.1	865.1	865.1

(END OF REPORT)