

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: P333189-927

Luminaire Tested: **S125DIP-S610D1035U927-4F0-1E-UDD-A4**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P333189-927
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-S610D1035U927-4F0-1E-UDD-A4
Description: DEFINE 5 DIRECT-INDIRECT PENDANT LED LUMINAIRE
DOWNLIGHT 610 LUMENS PER FOOT, ASYMMETRIC DIFFUSER
UPLIGHT 1035 LUMENS PER FOOT, BATWING OPTIC
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4944.3 lumens
Efficiency: N/A
Efficacy: 111.1 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

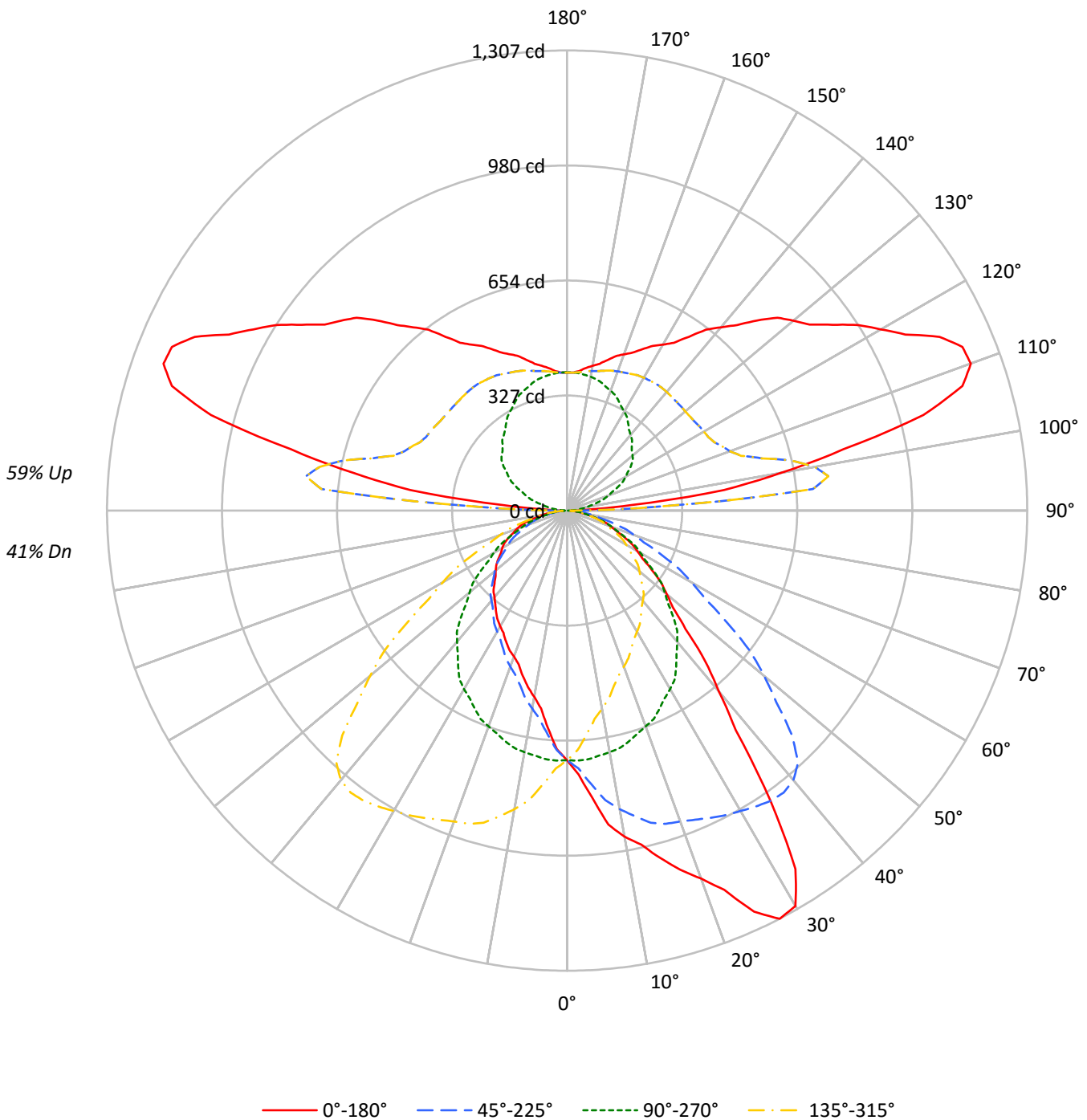
Input Watts (W): 44.5
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	78	78	78	62	62	62	47	47	47	41
1	96	92	88	84	87	84	80	78	69	66	64	55	53	52	42	41	40	34
2	87	80	74	69	79	73	68	64	60	57	54	48	46	44	37	36	34	29
3	80	71	63	58	72	65	58	54	53	49	45	43	40	37	33	31	29	25
4	73	62	55	49	66	57	51	45	47	42	39	38	35	32	30	27	25	21
5	67	56	48	42	61	51	44	39	42	37	33	34	31	28	27	24	22	19
6	62	50	42	36	56	46	39	34	38	33	29	31	27	24	24	22	19	16
7	57	45	37	32	52	41	34	30	35	29	25	28	24	21	22	19	17	15
8	53	41	33	28	48	38	31	26	31	26	23	26	22	19	20	18	15	13
9	49	37	30	25	45	34	28	23	29	24	20	24	20	17	19	16	14	12
10	46	34	27	22	42	31	25	21	26	21	18	22	18	15	17	15	13	11

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	4579	4579	4579	4579
5°	5302	4595	4023	4595
10°	6169	4571	3525	4571
15°	6829	4537	3251	4537
20°	7644	4484	3032	4484
25°	8955	4424	2925	4424
30°	9672	4365	2832	4365
35°	7953	4254	2771	4254
40°	5653	4100	2705	4100
45°	4343	3892	2666	3892
50°	3706	3634	2661	3634
55°	3300	3381	2684	3381
60°	2977	3105	2753	3105
65°	2751	2829	2823	2829
70°	2500	2540	2865	2540
75°	2208	2238	2840	2238
80°	1860	1822	2596	1822
85°	1475	1312	2097	1312



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	68.3	1.4
10°-20°	203.2	4.1
20°-30°	330.0	6.7
30°-40°	402.5	8.1
40°-50°	366.2	7.4
50°-60°	291.7	5.9
60°-70°	203.2	4.1
70°-80°	108.3	2.2
80°-90°	29.5	0.6
90°-100°	284.3	5.8
100°-110°	611.2	12.4
110°-120°	573.6	11.6
120°-130°	464.9	9.4
130°-140°	373.0	7.5
140°-150°	281.5	5.7
150°-160°	198.2	4.0
160°-170°	116.8	2.4
170°-180°	38.0	0.8
0°-30°	601.5	12.2
0°-40°	1004.0	20.3
0°-60°	1661.8	33.6
0°-90°	2002.8	40.5
90°-120°	1469.1	29.7
90°-150°	2588.5	52.4
90°-180°	2941.0	59.5
0°-180°	4944.3	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	709	709	709	709	709	
5°	818	709	620	709	818	82
15°	1021	679	486	679	1021	292
25°	1257	621	410	621	1257	574
35°	1009	540	352	540	1009	617
45°	476	426	292	426	476	381
55°	293	300	238	300	293	264
65°	180	185	185	185	180	179
75°	88	90	114	90	88	95
85°	20	18	28	18	20	23
90°	18	1	18	1	18	13
95°	186	26	186	26	186	263
105°	1048	89	1048	89	1048	1042
115°	1167	160	1167	160	1167	1140
125°	920	221	920	221	920	832
135°	764	259	764	259	764	592
145°	603	302	603	302	603	383
155°	505	345	505	345	505	236
165°	443	376	443	376	443	127
175°	398	391	398	391	398	39
180°	392	392	392	392	392	



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	709.0	709.0	709.0	709.0	709.0	709.0	709.0	709.0	709.0	709.0	709.0
2.5°	750.0	748.9	748.0	746.1	747.5	743.4	741.5	738.2	734.0	732.6	730.9
5°	817.9	819.4	820.9	814.6	815.2	811.0	801.4	793.5	787.3	779.1	773.4
7.5°	899.8	896.2	896.0	891.8	884.8	879.2	869.0	856.1	843.7	829.5	817.8
10°	940.7	941.0	938.3	933.5	926.0	920.5	907.3	894.7	879.3	861.3	848.3
12.5°	971.5	972.8	969.4	962.9	959.2	947.1	936.7	921.6	903.4	889.0	869.3
15°	1021.4	1018.0	1015.7	1007.5	1001.2	988.6	972.0	956.3	936.5	918.1	899.8
17.5°	1069.4	1072.1	1067.5	1060.1	1040.5	1025.7	1003.5	982.1	957.4	932.8	910.9
20°	1112.2	1114.7	1107.7	1094.8	1071.3	1056.5	1027.4	999.7	971.1	939.5	915.4
22.5°	1165.7	1163.8	1154.4	1134.7	1114.4	1087.1	1055.6	1021.8	986.0	950.3	918.3
25°	1256.7	1244.0	1238.3	1213.9	1187.2	1147.2	1103.8	1054.5	1010.0	962.7	921.8
27.5°	1307.1	1303.1	1296.8	1279.8	1251.6	1208.9	1157.8	1097.6	1034.7	975.2	921.5
30°	1297.0	1297.6	1298.2	1292.8	1274.8	1242.5	1191.7	1127.0	1052.3	985.2	923.3
32.5°	1207.4	1218.4	1228.9	1241.3	1246.3	1240.2	1208.3	1149.9	1073.1	996.8	922.3
35°	1008.7	1012.0	1046.1	1079.7	1125.5	1161.0	1184.8	1158.9	1094.2	1006.6	921.1
37.5°	786.5	802.8	826.3	864.4	930.4	989.5	1065.6	1100.5	1079.6	1009.8	919.0
40°	670.5	685.6	700.8	739.7	795.4	867.0	953.3	1027.1	1044.3	999.7	911.8
42.5°	580.9	592.9	609.9	639.1	685.6	749.0	831.6	927.9	987.1	970.3	896.7
45°	475.5	483.0	496.2	519.4	553.1	602.8	675.6	780.9	872.7	903.1	860.6
47.5°	406.9	406.9	417.2	433.2	457.6	499.7	553.6	636.1	734.1	806.7	803.3
50°	368.9	367.4	375.6	389.4	408.7	436.7	488.1	554.1	648.2	730.4	753.2
52.5°	336.2	336.4	341.4	351.6	367.7	391.7	430.1	489.5	570.0	654.3	697.4
55°	293.1	291.9	297.6	304.5	316.3	331.9	359.7	405.0	470.3	553.4	609.3
57.5°	253.7	256.9	259.2	264.0	273.8	284.2	307.6	341.0	392.8	464.1	523.2
60°	230.5	233.9	235.6	240.4	248.3	257.3	275.4	302.5	346.1	407.5	466.1
62.5°	209.8	212.4	213.0	217.3	223.7	232.5	246.7	269.4	304.0	357.6	415.1
65°	180.0	180.0	181.2	185.7	188.7	196.5	207.3	223.9	251.6	293.4	342.5
67.5°	151.1	152.7	152.3	154.3	157.1	163.2	171.0	184.6	205.1	235.6	274.9
70°	132.4	133.6	133.3	134.8	137.8	141.7	148.1	161.0	175.7	201.9	235.6
72.5°	115.6	116.1	115.3	117.2	119.1	122.5	129.5	136.4	150.2	172.3	200.0
75°	88.5	89.0	89.7	90.9	92.7	94.5	98.1	105.0	114.1	130.6	148.4
77.5°	66.3	65.2	66.6	66.5	67.5	68.8	72.0	75.7	83.1	93.6	107.3
80°	50.0	50.2	50.2	50.5	52.0	53.0	55.7	58.4	64.1	71.9	81.5
82.5°	36.4	37.2	36.8	37.3	38.6	39.2	40.7	42.9	46.3	52.4	59.4
85°	19.9	18.4	18.9	19.6	19.6	19.9	21.1	21.9	23.8	26.1	28.9
87.5°	9.4	9.9	10.0	10.0	10.2	9.9	10.7	10.5	11.1	11.6	12.4
90°	18.2	18.2	17.4	17.4	17.4	15.8	15.1	14.3	13.5	12.7	11.1
92.5°	50.5	51.7	52.8	54.7	64.9	76.5	101.7	140.1	206.4	254.9	259.0
95°	185.8	198.5	204.9	228.5	284.7	351.1	448.4	568.6	685.6	700.7	571.8
97.5°	449.2	459.3	482.2	526.6	575.4	667.7	762.5	846.8	867.5	748.3	510.6
100°	616.9	629.5	658.8	715.7	770.2	852.5	934.0	972.7	911.8	714.1	455.5
102.5°	804.1	813.6	845.4	885.9	944.2	999.9	1038.9	1015.1	885.3	654.0	413.8
105°	1047.8	1057.3	1073.2	1099.2	1124.5	1133.2	1098.4	990.1	800.3	573.3	373.3
107.5°	1177.2	1183.5	1188.7	1188.9	1176.1	1134.8	1045.4	900.9	713.6	517.8	356.2
110°	1220.2	1220.2	1214.7	1199.7	1164.1	1096.9	985.3	835.1	664.2	491.9	351.1



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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	1215.1	1209.5	1195.7	1169.9	1117.9	1038.6	925.9	783.2	627.6	476.7	351.1
115°	1167.3	1157.0	1134.8	1096.9	1035.1	949.0	840.7	718.0	587.6	460.3	353.5
117.5°	1083.2	1076.9	1054.9	1015.7	954.0	875.0	781.6	676.0	563.7	452.2	358.7
120°	1028.9	1022.5	1001.2	963.2	904.7	835.1	748.1	653.2	550.4	448.4	363.8
122.5°	980.8	975.1	953.7	918.9	866.7	801.5	724.1	636.1	539.0	445.2	368.2
125°	919.7	911.8	894.4	862.0	817.7	760.7	692.0	611.3	523.6	441.2	375.7
127.5°	867.5	864.0	847.6	819.0	778.8	725.5	661.3	586.0	509.3	439.3	384.0
130°	839.1	834.3	818.5	792.4	752.9	701.5	639.8	570.2	499.8	438.1	389.1
132.5°	810.6	805.2	790.7	764.5	725.0	675.5	619.5	554.4	492.2	438.1	394.7
135°	763.9	759.1	745.0	718.8	684.0	639.0	588.4	533.8	483.2	438.1	402.5
137.5°	714.1	708.9	695.8	672.0	640.9	602.6	560.5	516.4	475.2	439.0	409.6
140°	679.3	675.3	663.5	642.9	613.7	580.4	544.1	506.9	471.3	439.7	412.8
142.5°	647.1	643.7	632.5	615.1	590.3	561.5	530.1	498.7	468.2	440.3	414.7
145°	602.6	599.4	590.7	577.3	558.3	536.9	512.5	487.9	463.4	439.7	416.8
147.5°	565.0	563.6	558.5	547.7	532.7	516.6	497.7	477.8	458.5	437.6	417.6
150°	544.1	543.3	540.1	530.6	518.8	504.5	489.5	472.1	454.7	435.7	417.6
152.5°	527.6	526.8	523.7	516.1	506.1	495.0	481.3	465.8	450.3	433.2	416.9
155°	505.3	504.5	502.2	496.6	488.7	480.1	469.0	456.3	442.8	428.6	415.2
157.5°	485.4	485.5	483.3	478.8	472.6	465.8	457.2	446.8	435.9	423.9	413.1
160°	472.1	472.9	471.3	467.4	461.8	456.3	448.4	440.5	430.2	420.7	411.2
162.5°	460.1	460.3	459.9	456.6	452.3	447.4	440.8	433.6	425.2	416.9	409.3
165°	442.8	442.8	442.8	441.2	438.1	434.2	429.4	423.9	417.6	411.2	406.5
167.5°	427.1	427.2	427.9	426.4	424.8	422.0	418.4	414.7	410.1	405.7	402.0
170°	417.6	418.4	418.4	417.6	416.0	414.4	412.0	409.6	405.7	402.5	400.1
172.5°	408.7	409.5	410.7	409.3	409.0	408.1	406.3	403.9	401.2	398.7	397.6
175°	397.8	398.5	400.1	399.3	399.3	399.3	397.8	397.8	395.4	394.6	394.6
177.5°	392.2	392.2	394.1	393.5	394.1	394.1	394.1	393.5	392.8	392.2	392.2
180°	392.2	392.2	392.2	392.2	392.2	392.2	392.2	392.2	392.2	392.2	392.2



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CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	709.0	709.0	709.0	709.0	709.0	709.0	709.0	709.0	709.0	709.0	709.0
2.5°	729.4	727.8	725.9	722.5	718.4	716.2	712.9	710.7	706.3	702.7	698.9
5°	766.4	758.7	751.5	742.1	731.9	725.2	717.4	708.7	699.7	690.3	680.1
7.5°	804.8	791.0	775.9	759.7	743.9	729.4	715.4	701.8	689.0	673.6	660.5
10°	830.6	813.1	794.5	772.5	751.1	732.5	713.5	697.0	680.1	662.0	646.1
12.5°	856.3	833.1	806.8	782.6	756.9	734.4	712.1	690.9	669.8	649.7	631.2
15°	874.5	854.1	829.7	795.4	766.4	735.5	706.0	678.6	653.0	630.7	607.3
17.5°	886.5	860.2	833.9	801.1	763.2	728.5	695.1	663.8	634.9	606.7	584.1
20°	888.7	861.6	834.2	802.0	763.2	723.4	690.1	652.4	621.4	592.2	564.5
22.5°	888.0	857.2	827.4	794.2	756.5	719.9	679.5	641.1	607.4	578.8	549.9
25°	881.1	848.3	811.0	777.6	740.3	701.5	660.5	620.8	586.5	553.7	525.1
27.5°	875.4	832.9	790.7	751.7	715.7	680.1	641.0	600.2	562.2	528.9	502.0
30°	868.5	821.8	774.3	733.6	696.6	662.0	625.0	585.3	545.6	513.1	484.2
32.5°	862.2	807.9	757.7	713.4	674.3	640.6	606.5	568.7	529.7	496.7	467.9
35°	850.2	787.3	729.8	679.8	637.9	603.4	574.8	539.6	503.7	471.8	444.2
37.5°	834.8	760.2	698.5	646.1	600.2	563.8	537.2	510.2	475.8	445.0	420.0
40°	822.8	740.9	675.6	622.0	574.5	536.5	511.9	486.3	457.7	429.1	402.7
42.5°	807.6	723.6	652.4	594.8	547.8	510.8	484.9	463.2	438.0	411.3	386.7
45°	779.7	692.1	615.1	553.1	505.6	469.1	442.4	426.1	407.2	381.9	361.2
47.5°	738.7	654.4	574.7	510.7	461.7	427.9	402.8	387.2	373.9	355.1	336.3
50°	702.3	626.2	545.6	482.1	433.0	399.0	375.9	361.7	350.3	335.8	319.9
52.5°	661.7	590.8	517.0	454.2	405.6	372.1	349.4	336.9	327.4	317.0	301.3
55°	597.1	536.9	468.3	408.7	363.8	331.1	311.2	300.3	292.5	284.7	275.0
57.5°	525.9	478.8	418.0	363.5	322.3	292.4	273.9	263.3	257.2	253.2	247.6
60°	475.8	435.5	383.1	333.4	293.1	266.6	248.6	240.4	235.4	232.0	227.8
62.5°	429.3	396.2	347.7	302.4	267.1	242.1	225.9	218.1	213.2	211.6	208.0
65°	360.8	335.3	295.2	257.6	227.5	206.1	192.6	185.1	182.0	180.2	180.5
67.5°	293.3	277.7	245.7	213.6	189.5	171.6	160.7	155.0	153.4	151.1	151.0
70°	252.2	240.4	213.3	185.4	164.0	150.2	140.5	134.5	133.0	131.8	131.5
72.5°	215.8	205.6	182.0	159.6	140.5	128.3	120.3	116.7	114.2	113.5	113.4
75°	162.2	156.5	137.8	120.1	106.9	98.4	93.0	89.7	87.9	87.5	87.9
77.5°	115.3	110.4	98.5	85.9	77.6	71.1	66.5	65.4	63.4	63.5	63.1
80°	86.7	83.3	75.8	65.9	59.0	53.6	51.2	49.0	48.5	47.5	48.5
82.5°	62.8	59.3	54.2	47.8	42.1	38.9	36.4	35.8	35.4	35.0	35.2
85°	31.0	31.3	28.3	23.4	21.1	19.3	17.7	17.7	17.4	17.2	17.4
87.5°	12.7	11.9	10.7	9.7	8.2	7.1	6.6	6.7	6.1	6.2	6.7
90°	10.3	8.7	7.9	6.3	4.8	3.2	1.6	0.8	1.6	3.2	4.8
92.5°	180.5	108.1	64.9	41.7	28.1	18.4	11.7	9.7	11.7	18.4	28.1
95°	353.5	179.5	94.9	59.3	41.9	33.2	26.9	26.1	26.9	33.2	41.9
97.5°	282.2	154.7	98.7	73.0	57.4	48.7	44.3	43.3	44.3	48.7	57.4
100°	256.2	153.4	107.6	83.8	68.8	60.1	57.0	55.4	57.0	60.1	68.8
102.5°	245.5	159.1	118.3	95.2	81.4	72.1	69.6	68.7	69.6	72.1	81.4
105°	241.2	170.8	136.0	113.9	101.2	93.3	89.4	89.4	89.4	93.3	101.2
107.5°	248.5	188.2	154.6	134.6	121.4	114.9	111.2	109.6	111.2	114.9	121.4
110°	255.4	200.9	168.4	147.9	136.0	128.9	125.7	124.1	125.7	128.9	136.0



TEST NUMBER: P333189-927

CATALOG NUMBER: S125DIP-S610D1035U927-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	264.3	212.9	181.7	161.8	150.0	142.8	140.3	138.7	140.3	142.8	150.0
115°	277.6	231.7	202.5	182.7	170.8	163.7	161.3	159.8	161.3	163.7	170.8
117.5°	292.8	251.0	223.3	204.2	190.8	183.6	181.1	178.7	181.1	183.6	190.8
120°	302.9	264.9	237.3	217.5	204.1	196.9	193.8	191.4	193.8	196.9	204.1
122.5°	314.3	278.2	250.6	230.8	216.0	208.9	206.4	204.7	206.4	208.9	216.0
125°	329.8	295.8	269.7	249.1	234.1	227.0	223.0	221.4	223.0	227.0	234.1
127.5°	344.0	312.7	287.6	267.0	251.0	242.0	236.9	234.6	236.9	242.0	251.0
130°	353.5	323.4	298.9	278.4	261.7	251.5	245.2	242.8	245.2	251.5	261.7
132.5°	361.7	333.6	309.0	288.5	271.2	259.7	252.1	249.1	252.1	259.7	271.2
135°	373.3	347.1	322.7	301.3	284.7	272.0	262.5	259.4	262.5	272.0	284.7
137.5°	381.8	356.8	334.5	312.5	296.3	283.6	274.7	272.4	274.7	283.6	296.3
140°	387.5	363.8	340.9	319.5	304.4	291.8	282.3	280.0	282.3	291.8	304.4
142.5°	390.6	368.2	346.5	326.5	312.0	299.4	290.6	288.8	290.6	299.4	312.0
145°	395.4	375.7	355.1	336.9	322.7	311.6	303.6	302.1	303.6	311.6	322.7
147.5°	398.2	380.4	362.3	346.3	334.1	323.8	317.0	316.0	317.0	323.8	334.1
150°	400.1	383.6	366.1	352.7	341.7	331.4	325.8	324.2	325.8	331.4	341.7
152.5°	401.4	386.7	370.6	358.4	347.9	339.0	334.1	333.1	334.1	339.0	347.9
155°	402.5	389.8	376.4	365.4	357.4	349.5	344.8	344.8	344.8	349.5	357.4
157.5°	403.3	392.5	381.0	372.6	365.7	358.9	355.1	355.2	355.1	358.9	365.7
160°	403.3	393.8	383.6	376.4	370.1	364.6	361.4	362.2	361.4	364.6	370.1
162.5°	402.7	395.1	386.1	380.2	375.2	370.3	367.1	367.9	367.1	370.3	375.2
165°	401.7	395.4	389.1	384.4	381.2	377.2	374.9	376.4	374.9	377.2	381.2
167.5°	399.8	395.4	390.1	387.2	385.0	382.8	381.4	382.1	381.4	382.8	385.0
170°	398.5	395.4	391.4	389.1	387.5	386.0	385.2	386.0	385.2	386.0	387.5
172.5°	397.3	394.7	391.4	390.3	389.4	387.9	387.1	388.5	387.1	387.9	389.4
175°	395.4	393.8	391.4	391.4	391.4	390.6	389.8	391.4	389.8	390.6	391.4
177.5°	393.5	392.8	391.6	391.6	392.2	391.6	391.6	392.8	391.6	391.6	392.2
180°	392.2	392.2	392.2	392.2	392.2	392.2	392.2	392.2	392.2	392.2	392.2



TEST NUMBER: P333189-927

CATALOG NUMBER: S125DIP-S610D1035U927-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	709.0	709.0	709.0	709.0	709.0	709.0	709.0	709.0	709.0	709.0	709.0
2.5°	696.7	694.0	691.9	687.1	684.4	680.8	677.9	681.0	677.7	679.1	677.0
5°	675.0	666.5	660.5	651.8	644.3	637.4	632.2	631.4	628.9	627.7	624.2
7.5°	648.9	638.3	628.0	616.6	606.9	597.1	590.8	585.7	582.3	577.7	574.6
10°	633.4	619.3	607.3	593.4	581.4	570.8	562.4	558.3	554.3	548.6	546.5
12.5°	614.4	599.8	585.1	570.3	558.8	547.0	539.8	533.5	530.8	524.3	523.6
15°	591.6	569.7	555.2	540.2	524.2	514.6	508.6	501.7	498.7	494.2	490.8
17.5°	564.4	544.8	526.7	511.2	497.5	489.4	481.9	477.1	472.0	469.1	463.6
20°	544.7	526.0	507.9	491.4	480.9	471.6	465.6	461.1	455.6	454.1	448.7
22.5°	528.1	507.5	490.1	476.3	464.8	454.2	447.7	444.7	440.9	436.3	435.2
25°	501.1	479.7	464.9	451.1	440.8	431.3	426.7	422.8	419.2	415.9	414.7
27.5°	477.7	458.6	441.1	428.6	419.7	410.9	406.9	402.2	399.5	396.9	393.6
30°	461.4	441.8	426.4	414.4	404.7	397.0	392.7	389.4	387.0	384.6	382.8
32.5°	444.5	426.4	411.5	399.7	390.1	384.2	380.4	378.1	375.4	372.6	370.3
35°	422.2	402.3	387.9	377.6	370.1	365.6	361.4	359.3	356.3	356.3	353.9
37.5°	397.1	379.9	367.2	357.8	351.1	347.1	342.5	341.1	339.1	337.9	337.1
40°	382.1	366.2	354.2	344.8	337.6	334.3	330.7	328.3	327.1	325.6	325.0
42.5°	366.8	351.6	340.0	331.4	325.1	322.3	318.9	317.3	314.8	312.8	312.5
45°	343.3	328.6	318.1	311.2	305.8	302.5	300.3	296.8	295.5	293.1	292.8
47.5°	321.2	307.0	296.7	291.0	286.2	283.5	280.2	276.6	275.2	274.0	273.9
50°	304.5	291.6	281.9	276.6	272.0	268.2	264.8	262.4	261.5	261.5	262.1
52.5°	287.7	276.7	268.5	261.9	257.6	253.4	250.4	248.9	247.6	249.0	250.1
55°	263.0	251.9	245.9	239.6	235.4	230.5	229.0	228.4	227.5	229.9	231.1
57.5°	236.9	229.1	222.0	215.8	212.0	209.2	207.2	206.8	208.5	209.6	213.6
60°	220.3	211.3	204.9	200.1	195.6	193.8	193.2	192.6	193.8	197.1	202.2
62.5°	202.0	194.6	187.8	184.3	180.9	177.9	177.8	178.2	180.5	184.3	189.5
65°	175.2	168.8	164.3	160.1	157.4	155.6	156.2	157.4	160.1	165.2	171.0
67.5°	147.9	143.5	139.5	136.1	133.5	133.5	134.1	135.9	139.1	145.0	150.2
70°	130.3	125.5	122.2	120.6	118.6	117.4	119.1	122.2	124.8	130.3	134.8
72.5°	112.7	108.6	106.1	105.0	104.1	103.1	103.8	107.0	110.7	116.1	121.4
75°	86.7	85.2	83.3	82.1	81.3	81.8	82.5	85.5	88.5	94.2	100.2
77.5°	63.3	61.7	60.6	60.3	59.8	60.1	61.8	64.0	67.0	71.1	75.7
80°	47.8	47.2	46.7	46.3	46.3	46.7	49.0	50.5	53.2	57.2	60.8
82.5°	34.9	34.5	34.4	34.3	34.5	34.6	36.0	38.0	40.2	43.3	46.3
85°	18.4	17.7	18.7	18.9	18.4	19.3	19.9	21.1	21.9	23.4	25.0
87.5°	7.3	8.1	8.0	8.6	8.7	9.5	9.4	10.5	11.2	11.8	11.9
90°	6.3	7.9	8.7	10.3	11.1	12.7	13.5	14.3	15.1	15.8	17.4
92.5°	41.7	64.9	108.1	180.5	259.0	254.9	206.4	140.1	101.7	76.5	64.9
95°	59.3	94.9	179.5	353.5	571.8	700.7	685.6	568.6	448.4	351.1	284.7
97.5°	73.0	98.7	154.7	282.2	510.6	748.3	867.5	846.8	762.5	667.7	575.4
100°	83.8	107.6	153.4	256.2	455.5	714.1	911.8	972.7	934.0	852.5	770.2
102.5°	95.2	118.3	159.1	245.5	413.8	654.0	885.3	1015.1	1038.9	999.9	944.2
105°	113.9	136.0	170.8	241.2	373.3	573.3	800.3	990.1	1098.4	1133.2	1124.5
107.5°	134.6	154.6	188.2	248.5	356.2	517.8	713.6	900.9	1045.4	1134.8	1176.1
110°	147.9	168.4	200.9	255.4	351.1	491.9	664.2	835.1	985.3	1096.9	1164.1



TEST NUMBER: P333189-927

CATALOG NUMBER: S125DIP-S610D1035U927-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	161.8	181.7	212.9	264.3	351.1	476.7	627.6	783.2	925.9	1038.6	1117.9
115°	182.7	202.5	231.7	277.6	353.5	460.3	587.6	718.0	840.7	949.0	1035.1
117.5°	204.2	223.3	251.0	292.8	358.7	452.2	563.7	676.0	781.6	875.0	954.0
120°	217.5	237.3	264.9	302.9	363.8	448.4	550.4	653.2	748.1	835.1	904.7
122.5°	230.8	250.6	278.2	314.3	368.2	445.2	539.0	636.1	724.1	801.5	866.7
125°	249.1	269.7	295.8	329.8	375.7	441.2	523.6	611.3	692.0	760.7	817.7
127.5°	267.0	287.6	312.7	344.0	384.0	439.3	509.3	586.0	661.3	725.5	778.8
130°	278.4	298.9	323.4	353.5	389.1	438.1	499.8	570.2	639.8	701.5	752.9
132.5°	288.5	309.0	333.6	361.7	394.7	438.1	492.2	554.4	619.5	675.5	725.0
135°	301.3	322.7	347.1	373.3	402.5	438.1	483.2	533.8	588.4	639.0	684.0
137.5°	312.5	334.5	356.8	381.8	409.6	439.0	475.2	516.4	560.5	602.6	640.9
140°	319.5	340.9	363.8	387.5	412.8	439.7	471.3	506.9	544.1	580.4	613.7
142.5°	326.5	346.5	368.2	390.6	414.7	440.3	468.2	498.7	530.1	561.5	590.3
145°	336.9	355.1	375.7	395.4	416.8	439.7	463.4	487.9	512.5	536.9	558.3
147.5°	346.3	362.3	380.4	398.2	417.6	437.6	458.5	477.8	497.7	516.6	532.7
150°	352.7	366.1	383.6	400.1	417.6	435.7	454.7	472.1	489.5	504.5	518.8
152.5°	358.4	370.6	386.7	401.4	416.9	433.2	450.3	465.8	481.3	495.0	506.1
155°	365.4	376.4	389.8	402.5	415.2	428.6	442.8	456.3	469.0	480.1	488.7
157.5°	372.6	381.0	392.5	403.3	413.1	423.9	435.9	446.8	457.2	465.8	472.6
160°	376.4	383.6	393.8	403.3	411.2	420.7	430.2	440.5	448.4	456.3	461.8
162.5°	380.2	386.1	395.1	402.7	409.3	416.9	425.2	433.6	440.8	447.4	452.3
165°	384.4	389.1	395.4	401.7	406.5	411.2	417.6	423.9	429.4	434.2	438.1
167.5°	387.2	390.1	395.4	399.8	402.0	405.7	410.1	414.7	418.4	422.0	424.8
170°	389.1	391.4	395.4	398.5	400.1	402.5	405.7	409.6	412.0	414.4	416.0
172.5°	390.3	391.4	394.7	397.3	397.6	398.7	401.2	403.9	406.3	408.1	409.0
175°	391.4	391.4	393.8	395.4	394.6	394.6	395.4	397.8	397.8	399.3	399.3
177.5°	391.6	391.6	392.8	393.5	392.2	392.2	392.8	393.5	394.1	394.1	394.1
180°	392.2	392.2	392.2	392.2	392.2	392.2	392.2	392.2	392.2	392.2	392.2



TEST NUMBER: P333189-927

CATALOG NUMBER: S125DIP-S610D1035U927-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	709.0	709.0	709.0	709.0	709.0	709.0	709.0	709.0	709.0	709.0	709.0
2.5°	675.5	677.2	675.8	677.7	675.8	677.2	675.5	677.0	679.1	677.7	681.0
5°	622.7	619.9	621.7	620.5	621.7	619.9	622.7	624.2	627.7	628.9	631.4
7.5°	573.8	571.2	568.2	566.8	568.2	571.2	573.8	574.6	577.7	582.3	585.7
10°	543.2	539.9	539.6	537.5	539.6	539.9	543.2	546.5	548.6	554.3	558.3
12.5°	520.8	517.7	514.3	513.4	514.3	517.7	520.8	523.6	524.3	530.8	533.5
15°	489.0	486.6	484.5	486.3	484.5	486.6	489.0	490.8	494.2	498.7	501.7
17.5°	462.6	460.6	460.3	458.0	460.3	460.6	462.6	463.6	469.1	472.0	477.1
20°	446.0	444.5	445.0	441.2	445.0	444.5	446.0	448.7	454.1	455.6	461.1
22.5°	432.8	429.8	429.4	428.6	429.4	429.8	432.8	435.2	436.3	440.9	444.7
25°	412.0	410.5	409.0	410.5	409.0	410.5	412.0	414.7	415.9	419.2	422.8
27.5°	393.9	392.1	391.7	391.8	391.7	392.1	393.9	393.6	396.9	399.5	402.2
30°	382.8	379.8	380.1	379.8	380.1	379.8	382.8	382.8	384.6	387.0	389.4
32.5°	370.7	368.7	368.3	367.7	368.3	368.7	370.7	370.3	372.6	375.4	378.1
35°	353.0	353.0	351.5	351.5	351.5	353.0	353.0	353.9	356.3	356.3	359.3
37.5°	336.3	336.0	335.1	335.3	335.1	336.0	336.3	337.1	337.9	339.1	341.1
40°	323.8	323.5	322.6	320.8	322.6	323.5	323.8	325.0	325.6	327.1	328.3
42.5°	311.8	310.8	310.3	309.7	310.3	310.8	311.8	312.5	312.8	314.8	317.3
45°	292.8	292.8	292.2	291.9	292.2	292.8	292.8	292.8	293.1	295.5	296.8
47.5°	274.4	275.0	276.1	275.9	276.1	275.0	274.4	273.9	274.0	275.2	276.6
50°	263.3	263.6	264.5	264.8	264.5	263.6	263.3	262.1	261.5	261.5	262.4
52.5°	251.0	252.8	253.9	253.7	253.9	252.8	251.0	250.1	249.0	247.6	248.9
55°	233.9	235.9	238.1	238.4	238.1	235.9	233.9	231.1	229.9	227.5	228.4
57.5°	216.8	219.8	222.0	222.7	222.0	219.8	216.8	213.6	209.6	208.5	206.8
60°	205.3	209.1	211.8	213.1	211.8	209.1	205.3	202.2	197.1	193.8	192.6
62.5°	194.2	198.5	201.3	201.5	201.3	198.5	194.2	189.5	184.3	180.5	178.2
65°	176.0	180.5	183.0	184.7	183.0	180.5	176.0	171.0	165.2	160.1	157.4
67.5°	156.5	161.1	163.7	165.2	163.7	161.1	156.5	150.2	145.0	139.1	135.9
70°	142.4	146.9	150.4	151.7	150.4	146.9	142.4	134.8	130.3	124.8	122.2
72.5°	128.4	132.4	135.3	136.7	135.3	132.4	128.4	121.4	116.1	110.7	107.0
75°	104.1	109.6	112.3	113.8	112.3	109.6	104.1	100.2	94.2	88.5	85.5
77.5°	80.3	85.2	86.8	87.6	86.8	85.2	80.3	75.7	71.1	67.0	64.0
80°	64.4	67.4	69.6	69.8	69.6	67.4	64.4	60.8	57.2	53.2	50.5
82.5°	49.5	52.0	52.7	53.5	52.7	52.0	49.5	46.3	43.3	40.2	38.0
85°	27.1	28.3	28.6	28.3	28.6	28.3	27.1	25.0	23.4	21.9	21.1
87.5°	12.4	12.1	12.3	12.8	12.3	12.1	12.4	11.9	11.8	11.2	10.5
90°	17.4	17.4	18.2	18.2	18.2	17.4	17.4	17.4	15.8	15.1	14.3
92.5°	54.7	52.8	51.7	50.5	51.7	52.8	54.7	64.9	76.5	101.7	140.1
95°	228.5	204.9	198.5	185.8	198.5	204.9	228.5	284.7	351.1	448.4	568.6
97.5°	526.6	482.2	459.3	449.2	459.3	482.2	526.6	575.4	667.7	762.5	846.8
100°	715.7	658.8	629.5	616.9	629.5	658.8	715.7	770.2	852.5	934.0	972.7
102.5°	885.9	845.4	813.6	804.1	813.6	845.4	885.9	944.2	999.9	1038.9	1015.1
105°	1099.2	1073.2	1057.3	1047.8	1057.3	1073.2	1099.2	1124.5	1133.2	1098.4	990.1
107.5°	1188.9	1188.7	1183.5	1177.2	1183.5	1188.7	1188.9	1176.1	1134.8	1045.4	900.9
110°	1199.7	1214.7	1220.2	1220.2	1220.2	1214.7	1199.7	1164.1	1096.9	985.3	835.1



TEST NUMBER: P333189-927

CATALOG NUMBER: S125DIP-S610D1035U927-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	1169.9	1195.7	1209.5	1215.1	1209.5	1195.7	1169.9	1117.9	1038.6	925.9	783.2
115°	1096.9	1134.8	1157.0	1167.3	1157.0	1134.8	1096.9	1035.1	949.0	840.7	718.0
117.5°	1015.7	1054.9	1076.9	1083.2	1076.9	1054.9	1015.7	954.0	875.0	781.6	676.0
120°	963.2	1001.2	1022.5	1028.9	1022.5	1001.2	963.2	904.7	835.1	748.1	653.2
122.5°	918.9	953.7	975.1	980.8	975.1	953.7	918.9	866.7	801.5	724.1	636.1
125°	862.0	894.4	911.8	919.7	911.8	894.4	862.0	817.7	760.7	692.0	611.3
127.5°	819.0	847.6	864.0	867.5	864.0	847.6	819.0	778.8	725.5	661.3	586.0
130°	792.4	818.5	834.3	839.1	834.3	818.5	792.4	752.9	701.5	639.8	570.2
132.5°	764.5	790.7	805.2	810.6	805.2	790.7	764.5	725.0	675.5	619.5	554.4
135°	718.8	745.0	759.1	763.9	759.1	745.0	718.8	684.0	639.0	588.4	533.8
137.5°	672.0	695.8	708.9	714.1	708.9	695.8	672.0	640.9	602.6	560.5	516.4
140°	642.9	663.5	675.3	679.3	675.3	663.5	642.9	613.7	580.4	544.1	506.9
142.5°	615.1	632.5	643.7	647.1	643.7	632.5	615.1	590.3	561.5	530.1	498.7
145°	577.3	590.7	599.4	602.6	599.4	590.7	577.3	558.3	536.9	512.5	487.9
147.5°	547.7	558.5	563.6	565.0	563.6	558.5	547.7	532.7	516.6	497.7	477.8
150°	530.6	540.1	543.3	544.1	543.3	540.1	530.6	518.8	504.5	489.5	472.1
152.5°	516.1	523.7	526.8	527.6	526.8	523.7	516.1	506.1	495.0	481.3	465.8
155°	496.6	502.2	504.5	505.3	504.5	502.2	496.6	488.7	480.1	469.0	456.3
157.5°	478.8	483.3	485.5	485.4	485.5	483.3	478.8	472.6	465.8	457.2	446.8
160°	467.4	471.3	472.9	472.1	472.9	471.3	467.4	461.8	456.3	448.4	440.5
162.5°	456.6	459.9	460.3	460.1	460.3	459.9	456.6	452.3	447.4	440.8	433.6
165°	441.2	442.8	442.8	442.8	442.8	442.8	441.2	438.1	434.2	429.4	423.9
167.5°	426.4	427.9	427.2	427.1	427.2	427.9	426.4	424.8	422.0	418.4	414.7
170°	417.6	418.4	418.4	417.6	418.4	418.4	417.6	416.0	414.4	412.0	409.6
172.5°	409.3	410.7	409.5	408.7	409.5	410.7	409.3	409.0	408.1	406.3	403.9
175°	399.3	400.1	398.5	397.8	398.5	400.1	399.3	399.3	399.3	397.8	397.8
177.5°	393.5	394.1	392.2	392.2	392.2	394.1	393.5	394.1	394.1	394.1	393.5
180°	392.2	392.2	392.2	392.2	392.2	392.2	392.2	392.2	392.2	392.2	392.2



TEST NUMBER: P333189-927

CATALOG NUMBER: S125DIP-S610D1035U927-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	709.0	709.0	709.0	709.0	709.0	709.0	709.0	709.0	709.0	709.0	709.0
2.5°	677.9	680.8	684.4	687.1	691.9	694.0	696.7	698.9	702.7	706.3	710.7
5°	632.2	637.4	644.3	651.8	660.5	666.5	675.0	680.1	690.3	699.7	708.7
7.5°	590.8	597.1	606.9	616.6	628.0	638.3	648.9	660.5	673.6	689.0	701.8
10°	562.4	570.8	581.4	593.4	607.3	619.3	633.4	646.1	662.0	680.1	697.0
12.5°	539.8	547.0	558.8	570.3	585.1	599.8	614.4	631.2	649.7	669.8	690.9
15°	508.6	514.6	524.2	540.2	555.2	569.7	591.6	607.3	630.7	653.0	678.6
17.5°	481.9	489.4	497.5	511.2	526.7	544.8	564.4	584.1	606.7	634.9	663.8
20°	465.6	471.6	480.9	491.4	507.9	526.0	544.7	564.5	592.2	621.4	652.4
22.5°	447.7	454.2	464.8	476.3	490.1	507.5	528.1	549.9	578.8	607.4	641.1
25°	426.7	431.3	440.8	451.1	464.9	479.7	501.1	525.1	553.7	586.5	620.8
27.5°	406.9	410.9	419.7	428.6	441.1	458.6	477.7	502.0	528.9	562.2	600.2
30°	392.7	397.0	404.7	414.4	426.4	441.8	461.4	484.2	513.1	545.6	585.3
32.5°	380.4	384.2	390.1	399.7	411.5	426.4	444.5	467.9	496.7	529.7	568.7
35°	361.4	365.6	370.1	377.6	387.9	402.3	422.2	444.2	471.8	503.7	539.6
37.5°	342.5	347.1	351.1	357.8	367.2	379.9	397.1	420.0	445.0	475.8	510.2
40°	330.7	334.3	337.6	344.8	354.2	366.2	382.1	402.7	429.1	457.7	486.3
42.5°	318.9	322.3	325.1	331.4	340.0	351.6	366.8	386.7	411.3	438.0	463.2
45°	300.3	302.5	305.8	311.2	318.1	328.6	343.3	361.2	381.9	407.2	426.1
47.5°	280.2	283.5	286.2	291.0	296.7	307.0	321.2	336.3	355.1	373.9	387.2
50°	264.8	268.2	272.0	276.6	281.9	291.6	304.5	319.9	335.8	350.3	361.7
52.5°	250.4	253.4	257.6	261.9	268.5	276.7	287.7	301.3	317.0	327.4	336.9
55°	229.0	230.5	235.4	239.6	245.9	251.9	263.0	275.0	284.7	292.5	300.3
57.5°	207.2	209.2	212.0	215.8	222.0	229.1	236.9	247.6	253.2	257.2	263.3
60°	193.2	193.8	195.6	200.1	204.9	211.3	220.3	227.8	232.0	235.4	240.4
62.5°	177.8	177.9	180.9	184.3	187.8	194.6	202.0	208.0	211.6	213.2	218.1
65°	156.2	155.6	157.4	160.1	164.3	168.8	175.2	180.5	180.2	182.0	185.1
67.5°	134.1	133.5	133.5	136.1	139.5	143.5	147.9	151.0	151.1	153.4	155.0
70°	119.1	117.4	118.6	120.6	122.2	125.5	130.3	131.5	131.8	133.0	134.5
72.5°	103.8	103.1	104.1	105.0	106.1	108.6	112.7	113.4	113.5	114.2	116.7
75°	82.5	81.8	81.3	82.1	83.3	85.2	86.7	87.9	87.5	87.9	89.7
77.5°	61.8	60.1	59.8	60.3	60.6	61.7	63.3	63.1	63.5	63.4	65.4
80°	49.0	46.7	46.3	46.3	46.7	47.2	47.8	48.5	47.5	48.5	49.0
82.5°	36.0	34.6	34.5	34.3	34.4	34.5	34.9	35.2	35.0	35.4	35.8
85°	19.9	19.3	18.4	18.9	18.7	17.7	18.4	17.4	17.2	17.4	17.7
87.5°	9.4	9.5	8.7	8.6	8.0	8.1	7.3	6.7	6.2	6.1	6.7
90°	13.5	12.7	11.1	10.3	8.7	7.9	6.3	4.8	3.2	1.6	0.8
92.5°	206.4	254.9	259.0	180.5	108.1	64.9	41.7	28.1	18.4	11.7	9.7
95°	685.6	700.7	571.8	353.5	179.5	94.9	59.3	41.9	33.2	26.9	26.1
97.5°	867.5	748.3	510.6	282.2	154.7	98.7	73.0	57.4	48.7	44.3	43.3
100°	911.8	714.1	455.5	256.2	153.4	107.6	83.8	68.8	60.1	57.0	55.4
102.5°	885.3	654.0	413.8	245.5	159.1	118.3	95.2	81.4	72.1	69.6	68.7
105°	800.3	573.3	373.3	241.2	170.8	136.0	113.9	101.2	93.3	89.4	89.4
107.5°	713.6	517.8	356.2	248.5	188.2	154.6	134.6	121.4	114.9	111.2	109.6
110°	664.2	491.9	351.1	255.4	200.9	168.4	147.9	136.0	128.9	125.7	124.1



TEST NUMBER: P333189-927

CATALOG NUMBER: S125DIP-S610D1035U927-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	627.6	476.7	351.1	264.3	212.9	181.7	161.8	150.0	142.8	140.3	138.7
115°	587.6	460.3	353.5	277.6	231.7	202.5	182.7	170.8	163.7	161.3	159.8
117.5°	563.7	452.2	358.7	292.8	251.0	223.3	204.2	190.8	183.6	181.1	178.7
120°	550.4	448.4	363.8	302.9	264.9	237.3	217.5	204.1	196.9	193.8	191.4
122.5°	539.0	445.2	368.2	314.3	278.2	250.6	230.8	216.0	208.9	206.4	204.7
125°	523.6	441.2	375.7	329.8	295.8	269.7	249.1	234.1	227.0	223.0	221.4
127.5°	509.3	439.3	384.0	344.0	312.7	287.6	267.0	251.0	242.0	236.9	234.6
130°	499.8	438.1	389.1	353.5	323.4	298.9	278.4	261.7	251.5	245.2	242.8
132.5°	492.2	438.1	394.7	361.7	333.6	309.0	288.5	271.2	259.7	252.1	249.1
135°	483.2	438.1	402.5	373.3	347.1	322.7	301.3	284.7	272.0	262.5	259.4
137.5°	475.2	439.0	409.6	381.8	356.8	334.5	312.5	296.3	283.6	274.7	272.4
140°	471.3	439.7	412.8	387.5	363.8	340.9	319.5	304.4	291.8	282.3	280.0
142.5°	468.2	440.3	414.7	390.6	368.2	346.5	326.5	312.0	299.4	290.6	288.8
145°	463.4	439.7	416.8	395.4	375.7	355.1	336.9	322.7	311.6	303.6	302.1
147.5°	458.5	437.6	417.6	398.2	380.4	362.3	346.3	334.1	323.8	317.0	316.0
150°	454.7	435.7	417.6	400.1	383.6	366.1	352.7	341.7	331.4	325.8	324.2
152.5°	450.3	433.2	416.9	401.4	386.7	370.6	358.4	347.9	339.0	334.1	333.1
155°	442.8	428.6	415.2	402.5	389.8	376.4	365.4	357.4	349.5	344.8	344.8
157.5°	435.9	423.9	413.1	403.3	392.5	381.0	372.6	365.7	358.9	355.1	355.2
160°	430.2	420.7	411.2	403.3	393.8	383.6	376.4	370.1	364.6	361.4	362.2
162.5°	425.2	416.9	409.3	402.7	395.1	386.1	380.2	375.2	370.3	367.1	367.9
165°	417.6	411.2	406.5	401.7	395.4	389.1	384.4	381.2	377.2	374.9	376.4
167.5°	410.1	405.7	402.0	399.8	395.4	390.1	387.2	385.0	382.8	381.4	382.1
170°	405.7	402.5	400.1	398.5	395.4	391.4	389.1	387.5	386.0	385.2	386.0
172.5°	401.2	398.7	397.6	397.3	394.7	391.4	390.3	389.4	387.9	387.1	388.5
175°	395.4	394.6	394.6	395.4	393.8	391.4	391.4	391.4	390.6	389.8	391.4
177.5°	392.8	392.2	392.2	393.5	392.8	391.6	391.6	392.2	391.6	391.6	392.8
180°	392.2	392.2	392.2	392.2	392.2	392.2	392.2	392.2	392.2	392.2	392.2



TEST NUMBER: P333189-927

CATALOG NUMBER: S125DIP-S610D1035U927-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	709.0	709.0	709.0	709.0	709.0	709.0	709.0	709.0	709.0	709.0	709.0
2.5°	712.9	716.2	718.4	722.5	725.9	727.8	729.4	730.9	732.6	734.0	738.2
5°	717.4	725.2	731.9	742.1	751.5	758.7	766.4	773.4	779.1	787.3	793.5
7.5°	715.4	729.4	743.9	759.7	775.9	791.0	804.8	817.8	829.5	843.7	856.1
10°	713.5	732.5	751.1	772.5	794.5	813.1	830.6	848.3	861.3	879.3	894.7
12.5°	712.1	734.4	756.9	782.6	806.8	833.1	856.3	869.3	889.0	903.4	921.6
15°	706.0	735.5	766.4	795.4	829.7	854.1	874.5	899.8	918.1	936.5	956.3
17.5°	695.1	728.5	763.2	801.1	833.9	860.2	886.5	910.9	932.8	957.4	982.1
20°	690.1	723.4	763.2	802.0	834.2	861.6	888.7	915.4	939.5	971.1	999.7
22.5°	679.5	719.9	756.5	794.2	827.4	857.2	888.0	918.3	950.3	986.0	1021.8
25°	660.5	701.5	740.3	777.6	811.0	848.3	881.1	921.8	962.7	1010.0	1054.5
27.5°	641.0	680.1	715.7	751.7	790.7	832.9	875.4	921.5	975.2	1034.7	1097.6
30°	625.0	662.0	696.6	733.6	774.3	821.8	868.5	923.3	985.2	1052.3	1127.0
32.5°	606.5	640.6	674.3	713.4	757.7	807.9	862.2	922.3	996.8	1073.1	1149.9
35°	574.8	603.4	637.9	679.8	729.8	787.3	850.2	921.1	1006.6	1094.2	1158.9
37.5°	537.2	563.8	600.2	646.1	698.5	760.2	834.8	919.0	1009.8	1079.6	1100.5
40°	511.9	536.5	574.5	622.0	675.6	740.9	822.8	911.8	999.7	1044.3	1027.1
42.5°	484.9	510.8	547.8	594.8	652.4	723.6	807.6	896.7	970.3	987.1	927.9
45°	442.4	469.1	505.6	553.1	615.1	692.1	779.7	860.6	903.1	872.7	780.9
47.5°	402.8	427.9	461.7	510.7	574.7	654.4	738.7	803.3	806.7	734.1	636.1
50°	375.9	399.0	433.0	482.1	545.6	626.2	702.3	753.2	730.4	648.2	554.1
52.5°	349.4	372.1	405.6	454.2	517.0	590.8	661.7	697.4	654.3	570.0	489.5
55°	311.2	331.1	363.8	408.7	468.3	536.9	597.1	609.3	553.4	470.3	405.0
57.5°	273.9	292.4	322.3	363.5	418.0	478.8	525.9	523.2	464.1	392.8	341.0
60°	248.6	266.6	293.1	333.4	383.1	435.5	475.8	466.1	407.5	346.1	302.5
62.5°	225.9	242.1	267.1	302.4	347.7	396.2	429.3	415.1	357.6	304.0	269.4
65°	192.6	206.1	227.5	257.6	295.2	335.3	360.8	342.5	293.4	251.6	223.9
67.5°	160.7	171.6	189.5	213.6	245.7	277.7	293.3	274.9	235.6	205.1	184.6
70°	140.5	150.2	164.0	185.4	213.3	240.4	252.2	235.6	201.9	175.7	161.0
72.5°	120.3	128.3	140.5	159.6	182.0	205.6	215.8	200.0	172.3	150.2	136.4
75°	93.0	98.4	106.9	120.1	137.8	156.5	162.2	148.4	130.6	114.1	105.0
77.5°	66.5	71.1	77.6	85.9	98.5	110.4	115.3	107.3	93.6	83.1	75.7
80°	51.2	53.6	59.0	65.9	75.8	83.3	86.7	81.5	71.9	64.1	58.4
82.5°	36.4	38.9	42.1	47.8	54.2	59.3	62.8	59.4	52.4	46.3	42.9
85°	17.7	19.3	21.1	23.4	28.3	31.3	31.0	28.9	26.1	23.8	21.9
87.5°	6.6	7.1	8.2	9.7	10.7	11.9	12.7	12.4	11.6	11.1	10.5
90°	1.6	3.2	4.8	6.3	7.9	8.7	10.3	11.1	12.7	13.5	14.3
92.5°	11.7	18.4	28.1	41.7	64.9	108.1	180.5	259.0	254.9	206.4	140.1
95°	26.9	33.2	41.9	59.3	94.9	179.5	353.5	571.8	700.7	685.6	568.6
97.5°	44.3	48.7	57.4	73.0	98.7	154.7	282.2	510.6	748.3	867.5	846.8
100°	57.0	60.1	68.8	83.8	107.6	153.4	256.2	455.5	714.1	911.8	972.7
102.5°	69.6	72.1	81.4	95.2	118.3	159.1	245.5	413.8	654.0	885.3	1015.1
105°	89.4	93.3	101.2	113.9	136.0	170.8	241.2	373.3	573.3	800.3	990.1
107.5°	111.2	114.9	121.4	134.6	154.6	188.2	248.5	356.2	517.8	713.6	900.9
110°	125.7	128.9	136.0	147.9	168.4	200.9	255.4	351.1	491.9	664.2	835.1



TEST NUMBER: P333189-927

CATALOG NUMBER: S125DIP-S610D1035U927-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	140.3	142.8	150.0	161.8	181.7	212.9	264.3	351.1	476.7	627.6	783.2
115°	161.3	163.7	170.8	182.7	202.5	231.7	277.6	353.5	460.3	587.6	718.0
117.5°	181.1	183.6	190.8	204.2	223.3	251.0	292.8	358.7	452.2	563.7	676.0
120°	193.8	196.9	204.1	217.5	237.3	264.9	302.9	363.8	448.4	550.4	653.2
122.5°	206.4	208.9	216.0	230.8	250.6	278.2	314.3	368.2	445.2	539.0	636.1
125°	223.0	227.0	234.1	249.1	269.7	295.8	329.8	375.7	441.2	523.6	611.3
127.5°	236.9	242.0	251.0	267.0	287.6	312.7	344.0	384.0	439.3	509.3	586.0
130°	245.2	251.5	261.7	278.4	298.9	323.4	353.5	389.1	438.1	499.8	570.2
132.5°	252.1	259.7	271.2	288.5	309.0	333.6	361.7	394.7	438.1	492.2	554.4
135°	262.5	272.0	284.7	301.3	322.7	347.1	373.3	402.5	438.1	483.2	533.8
137.5°	274.7	283.6	296.3	312.5	334.5	356.8	381.8	409.6	439.0	475.2	516.4
140°	282.3	291.8	304.4	319.5	340.9	363.8	387.5	412.8	439.7	471.3	506.9
142.5°	290.6	299.4	312.0	326.5	346.5	368.2	390.6	414.7	440.3	468.2	498.7
145°	303.6	311.6	322.7	336.9	355.1	375.7	395.4	416.8	439.7	463.4	487.9
147.5°	317.0	323.8	334.1	346.3	362.3	380.4	398.2	417.6	437.6	458.5	477.8
150°	325.8	331.4	341.7	352.7	366.1	383.6	400.1	417.6	435.7	454.7	472.1
152.5°	334.1	339.0	347.9	358.4	370.6	386.7	401.4	416.9	433.2	450.3	465.8
155°	344.8	349.5	357.4	365.4	376.4	389.8	402.5	415.2	428.6	442.8	456.3
157.5°	355.1	358.9	365.7	372.6	381.0	392.5	403.3	413.1	423.9	435.9	446.8
160°	361.4	364.6	370.1	376.4	383.6	393.8	403.3	411.2	420.7	430.2	440.5
162.5°	367.1	370.3	375.2	380.2	386.1	395.1	402.7	409.3	416.9	425.2	433.6
165°	374.9	377.2	381.2	384.4	389.1	395.4	401.7	406.5	411.2	417.6	423.9
167.5°	381.4	382.8	385.0	387.2	390.1	395.4	399.8	402.0	405.7	410.1	414.7
170°	385.2	386.0	387.5	389.1	391.4	395.4	398.5	400.1	402.5	405.7	409.6
172.5°	387.1	387.9	389.4	390.3	391.4	394.7	397.3	397.6	398.7	401.2	403.9
175°	389.8	390.6	391.4	391.4	391.4	393.8	395.4	394.6	394.6	395.4	397.8
177.5°	391.6	391.6	392.2	391.6	391.6	392.8	393.5	392.2	392.2	392.8	393.5
180°	392.2	392.2	392.2	392.2	392.2	392.2	392.2	392.2	392.2	392.2	392.2



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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	709.0	709.0	709.0	709.0	709.0	709.0	709.0
2.5°	741.5	743.4	747.5	746.1	748.0	748.9	750.0
5°	801.4	811.0	815.2	814.6	820.9	819.4	817.9
7.5°	869.0	879.2	884.8	891.8	896.0	896.2	899.8
10°	907.3	920.5	926.0	933.5	938.3	941.0	940.7
12.5°	936.7	947.1	959.2	962.9	969.4	972.8	971.5
15°	972.0	988.6	1001.2	1007.5	1015.7	1018.0	1021.4
17.5°	1003.5	1025.7	1040.5	1060.1	1067.5	1072.1	1069.4
20°	1027.4	1056.5	1071.3	1094.8	1107.7	1114.7	1112.2
22.5°	1055.6	1087.1	1114.4	1134.7	1154.4	1163.8	1165.7
25°	1103.8	1147.2	1187.2	1213.9	1238.3	1244.0	1256.7
27.5°	1157.8	1208.9	1251.6	1279.8	1296.8	1303.1	1307.1
30°	1191.7	1242.5	1274.8	1292.8	1298.2	1297.6	1297.0
32.5°	1208.3	1240.2	1246.3	1241.3	1228.9	1218.4	1207.4
35°	1184.8	1161.0	1125.5	1079.7	1046.1	1012.0	1008.7
37.5°	1065.6	989.5	930.4	864.4	826.3	802.8	786.5
40°	953.3	867.0	795.4	739.7	700.8	685.6	670.5
42.5°	831.6	749.0	685.6	639.1	609.9	592.9	580.9
45°	675.6	602.8	553.1	519.4	496.2	483.0	475.5
47.5°	553.6	499.7	457.6	433.2	417.2	406.9	406.9
50°	488.1	436.7	408.7	389.4	375.6	367.4	368.9
52.5°	430.1	391.7	367.7	351.6	341.4	336.4	336.2
55°	359.7	331.9	316.3	304.5	297.6	291.9	293.1
57.5°	307.6	284.2	273.8	264.0	259.2	256.9	253.7
60°	275.4	257.3	248.3	240.4	235.6	233.9	230.5
62.5°	246.7	232.5	223.7	217.3	213.0	212.4	209.8
65°	207.3	196.5	188.7	185.7	181.2	180.0	180.0
67.5°	171.0	163.2	157.1	154.3	152.3	152.7	151.1
70°	148.1	141.7	137.8	134.8	133.3	133.6	132.4
72.5°	129.5	122.5	119.1	117.2	115.3	116.1	115.6
75°	98.1	94.5	92.7	90.9	89.7	89.0	88.5
77.5°	72.0	68.8	67.5	66.5	66.6	65.2	66.3
80°	55.7	53.0	52.0	50.5	50.2	50.2	50.0
82.5°	40.7	39.2	38.6	37.3	36.8	37.2	36.4
85°	21.1	19.9	19.6	19.6	18.9	18.4	19.9
87.5°	10.7	9.9	10.2	10.0	10.0	9.9	9.4
90°	15.1	15.8	17.4	17.4	17.4	18.2	18.2
92.5°	101.7	76.5	64.9	54.7	52.8	51.7	50.5
95°	448.4	351.1	284.7	228.5	204.9	198.5	185.8
97.5°	762.5	667.7	575.4	526.6	482.2	459.3	449.2
100°	934.0	852.5	770.2	715.7	658.8	629.5	616.9
102.5°	1038.9	999.9	944.2	885.9	845.4	813.6	804.1
105°	1098.4	1133.2	1124.5	1099.2	1073.2	1057.3	1047.8
107.5°	1045.4	1134.8	1176.1	1188.9	1188.7	1183.5	1177.2
110°	985.3	1096.9	1164.1	1199.7	1214.7	1220.2	1220.2



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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
112.5°	925.9	1038.6	1117.9	1169.9	1195.7	1209.5	1215.1
115°	840.7	949.0	1035.1	1096.9	1134.8	1157.0	1167.3
117.5°	781.6	875.0	954.0	1015.7	1054.9	1076.9	1083.2
120°	748.1	835.1	904.7	963.2	1001.2	1022.5	1028.9
122.5°	724.1	801.5	866.7	918.9	953.7	975.1	980.8
125°	692.0	760.7	817.7	862.0	894.4	911.8	919.7
127.5°	661.3	725.5	778.8	819.0	847.6	864.0	867.5
130°	639.8	701.5	752.9	792.4	818.5	834.3	839.1
132.5°	619.5	675.5	725.0	764.5	790.7	805.2	810.6
135°	588.4	639.0	684.0	718.8	745.0	759.1	763.9
137.5°	560.5	602.6	640.9	672.0	695.8	708.9	714.1
140°	544.1	580.4	613.7	642.9	663.5	675.3	679.3
142.5°	530.1	561.5	590.3	615.1	632.5	643.7	647.1
145°	512.5	536.9	558.3	577.3	590.7	599.4	602.6
147.5°	497.7	516.6	532.7	547.7	558.5	563.6	565.0
150°	489.5	504.5	518.8	530.6	540.1	543.3	544.1
152.5°	481.3	495.0	506.1	516.1	523.7	526.8	527.6
155°	469.0	480.1	488.7	496.6	502.2	504.5	505.3
157.5°	457.2	465.8	472.6	478.8	483.3	485.5	485.4
160°	448.4	456.3	461.8	467.4	471.3	472.9	472.1
162.5°	440.8	447.4	452.3	456.6	459.9	460.3	460.1
165°	429.4	434.2	438.1	441.2	442.8	442.8	442.8
167.5°	418.4	422.0	424.8	426.4	427.9	427.2	427.1
170°	412.0	414.4	416.0	417.6	418.4	418.4	417.6
172.5°	406.3	408.1	409.0	409.3	410.7	409.5	408.7
175°	397.8	399.3	399.3	399.3	400.1	398.5	397.8
177.5°	394.1	394.1	394.1	393.5	394.1	392.2	392.2
180°	392.2	392.2	392.2	392.2	392.2	392.2	392.2

(END OF REPORT)