

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: P333162-935

Luminaire Tested: **S125DIP-S610D365U935-4F0-1E-UDD-A4**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P333162-935
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1807-864-19,
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: NEO-RAY
Catalog Number: S125DIP-S610D365U935-4F0-1E-UDD-A4
Description: DEFINE 5 DIRECT-INDIRECT PENDANT LED LUMINAIRE
DOWNLIGHT 610 LUMENS PER FOOT, ASYMMETRIC DIFFUSER
UPLIGHT 365 LUMENS PER FOOT, BATWING OPTIC
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3307.1 lumens
Efficiency: N/A
Efficacy: 120.3 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-Direct

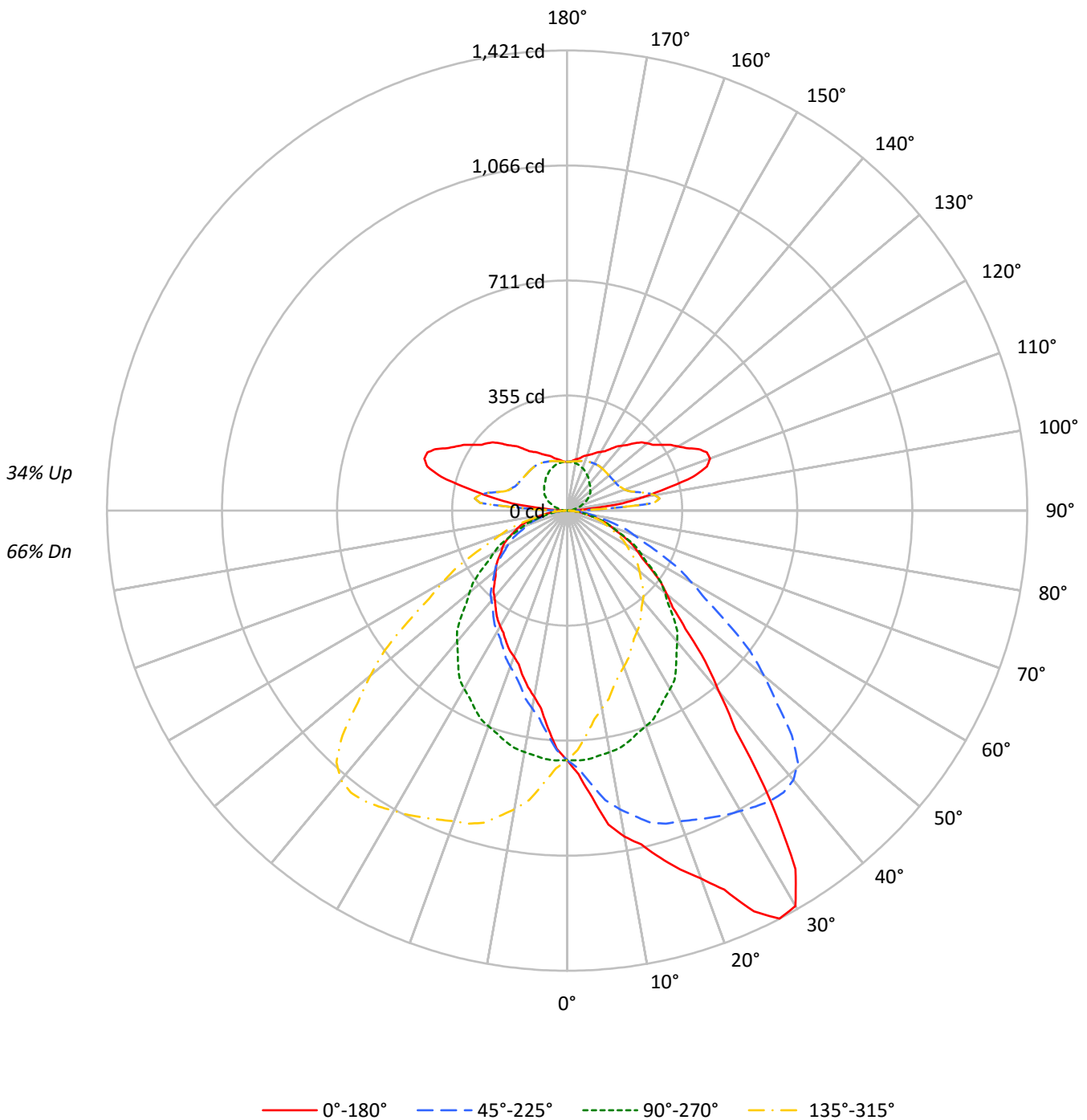
Input Watts (W): 27.5
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	111	111	111	111	104	104	104	104	92	92	92	81	81	81	71	71	71	66
1	102	97	93	90	95	92	88	85	81	79	76	72	70	68	63	62	60	56
2	93	85	79	74	87	81	75	70	72	67	64	63	60	57	56	53	51	47
3	85	75	68	62	80	71	65	59	63	58	54	56	52	49	50	46	44	40
4	78	67	59	53	73	63	56	50	57	51	46	50	46	42	44	41	38	35
5	71	60	51	45	67	57	49	44	51	45	40	45	40	37	40	36	33	30
6	66	54	45	40	62	51	43	38	46	40	35	41	36	32	36	32	29	27
7	61	49	40	35	57	46	39	34	42	35	31	37	32	29	33	29	26	24
8	57	44	36	31	53	42	35	30	38	32	28	34	29	25	31	26	23	21
9	53	40	33	28	50	39	31	27	35	29	25	31	26	23	28	24	21	19
10	49	37	30	25	47	35	29	24	32	26	22	29	24	21	26	22	19	17

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	4977	4977	4977	4977
5°	5763	4994	4372	4994
10°	6705	4968	3831	4968
15°	7422	4931	3534	4931
20°	8308	4874	3296	4874
25°	9733	4809	3180	4809
30°	10513	4744	3078	4744
35°	8643	4623	3012	4623
40°	6144	4457	2939	4457
45°	4720	4230	2898	4230
50°	4029	3950	2892	3950
55°	3587	3675	2917	3675
60°	3237	3375	2992	3375
65°	2989	3073	3069	3073
70°	2717	2761	3114	2761
75°	2400	2433	3084	2433
80°	2020	1982	2823	1982
85°	1601	1430	2275	1430



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	74.2	2.2
10°-20°	220.9	6.7
20°-30°	358.6	10.8
30°-40°	437.5	13.2
40°-50°	398.0	12.0
50°-60°	317.0	9.6
60°-70°	220.8	6.7
70°-80°	117.7	3.6
80°-90°	30.6	0.9
90°-100°	109.4	3.3
100°-110°	235.2	7.1
110°-120°	220.7	6.7
120°-130°	178.9	5.4
130°-140°	143.5	4.3
140°-150°	108.3	3.3
150°-160°	76.2	2.3
160°-170°	44.9	1.4
170°-180°	14.6	0.4
0°-30°	653.7	19.8
0°-40°	1091.2	33.0
0°-60°	1806.2	54.6
0°-90°	2175.3	65.8
90°-120°	565.3	17.1
90°-150°	996.0	30.1
90°-180°	1132.0	34.2
0°-180°	3307.1	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	771	771	771	771	771	
5°	889	770	674	770	889	90
15°	1110	738	529	738	1110	318
25°	1366	675	446	675	1366	624
35°	1096	586	382	586	1096	671
45°	517	463	317	463	517	414
55°	319	326	259	326	319	287
65°	196	201	201	201	196	194
75°	96	98	124	98	96	104
85°	22	19	31	19	22	25
90°	7	0	7	0	7	6
95°	72	10	72	10	72	101
105°	403	34	403	34	403	401
115°	449	62	449	62	449	439
125°	354	85	354	85	354	320
135°	294	100	294	100	294	228
145°	232	116	232	116	232	147
155°	194	133	194	133	194	91
165°	170	145	170	145	170	49
175°	153	151	153	151	153	15
180°	151	151	151	151	151	



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	770.6	770.6	770.6	770.6	770.6	770.6	770.6	770.6	770.6	770.6	770.6
2.5°	815.1	814.0	813.0	810.9	812.4	808.0	805.9	802.3	797.8	796.3	794.4
5°	889.0	890.6	892.3	885.4	886.1	881.5	871.0	862.5	855.7	846.8	840.6
7.5°	977.9	974.0	973.8	969.3	961.7	955.5	944.5	930.5	917.0	901.6	888.8
10°	1022.4	1022.8	1019.9	1014.6	1006.4	1000.5	986.1	972.4	955.7	936.1	922.0
12.5°	1055.9	1057.3	1053.6	1046.5	1042.5	1029.3	1018.0	1001.7	981.9	966.2	944.8
15°	1110.1	1106.5	1103.9	1095.0	1088.1	1074.4	1056.4	1039.4	1017.9	997.9	977.9
17.5°	1162.3	1165.2	1160.3	1152.2	1130.9	1114.8	1090.7	1067.5	1040.5	1013.8	990.0
20°	1208.8	1211.5	1203.9	1189.9	1164.4	1148.3	1116.6	1086.5	1055.5	1021.1	995.0
22.5°	1267.0	1264.9	1254.7	1233.3	1211.3	1181.6	1147.3	1110.6	1071.7	1032.9	998.1
25°	1365.9	1352.1	1345.9	1319.4	1290.3	1246.8	1199.7	1146.1	1097.7	1046.3	1001.9
27.5°	1420.6	1416.3	1409.5	1390.9	1360.4	1313.9	1258.4	1193.0	1124.6	1059.9	1001.6
30°	1409.7	1410.3	1411.0	1405.1	1385.5	1350.5	1295.2	1224.9	1143.8	1070.8	1003.5
32.5°	1312.3	1324.2	1335.7	1349.1	1354.6	1347.9	1313.3	1249.7	1166.3	1083.4	1002.4
35°	1096.3	1099.9	1137.0	1173.5	1223.2	1261.9	1287.7	1259.6	1189.2	1094.1	1001.2
37.5°	854.8	872.5	898.1	939.5	1011.2	1075.5	1158.1	1196.1	1173.4	1097.5	998.8
40°	728.8	745.1	761.7	803.9	864.4	942.3	1036.1	1116.3	1135.0	1086.5	991.0
42.5°	631.4	644.4	662.9	694.6	745.1	814.1	903.8	1008.5	1072.9	1054.6	974.6
45°	516.8	525.0	539.3	564.6	601.2	655.1	734.3	848.8	948.5	981.5	935.4
47.5°	442.3	442.3	453.5	470.9	497.3	543.1	601.7	691.4	797.9	876.8	873.1
50°	401.0	399.3	408.2	423.3	444.2	474.6	530.5	602.2	704.6	793.8	818.6
52.5°	365.4	365.6	371.0	382.1	399.7	425.7	467.4	532.0	619.5	711.1	757.9
55°	318.6	317.3	323.5	331.0	343.8	360.8	390.9	440.2	511.2	601.5	662.3
57.5°	275.7	279.2	281.7	287.0	297.6	308.9	334.3	370.6	426.9	504.4	568.7
60°	250.6	254.2	256.1	261.3	269.8	279.7	299.3	328.7	376.2	442.9	506.6
62.5°	228.0	230.8	231.5	236.2	243.1	252.7	268.1	292.8	330.4	388.7	451.2
65°	195.6	195.6	196.9	201.8	205.1	213.6	225.3	243.3	273.5	318.9	372.2
67.5°	164.3	165.9	165.6	167.7	170.7	177.4	185.8	200.6	222.9	256.1	298.8
70°	143.9	145.3	144.9	146.5	149.8	154.0	160.9	175.0	191.0	219.5	256.1
72.5°	125.6	126.1	125.3	127.4	129.4	133.1	140.8	148.3	163.2	187.3	217.4
75°	96.2	96.8	97.5	98.8	100.7	102.7	106.6	114.2	124.0	142.0	161.3
77.5°	72.1	70.9	72.4	72.2	73.4	74.8	78.3	82.3	90.3	101.7	116.7
80°	54.3	54.6	54.6	54.9	56.6	57.6	60.5	63.5	69.7	78.2	88.6
82.5°	39.6	40.5	40.0	40.6	41.9	42.6	44.3	46.7	50.3	57.0	64.6
85°	21.6	20.0	20.6	21.3	21.3	21.6	22.9	23.8	25.8	28.4	31.4
87.5°	7.7	8.2	8.4	8.4	8.7	8.5	9.6	9.5	10.2	10.9	11.9
90°	7.0	7.0	6.7	6.7	6.7	6.1	5.8	5.5	5.2	4.9	4.2
92.5°	19.4	19.9	20.3	21.1	25.0	29.4	39.1	53.9	79.4	98.1	99.7
95°	71.5	76.4	78.8	87.9	109.5	135.1	172.5	218.8	263.8	269.6	220.0
97.5°	172.8	176.8	185.5	202.6	221.4	256.9	293.4	325.8	333.8	287.9	196.5
100°	237.4	242.2	253.5	275.3	296.4	328.0	359.4	374.3	350.9	274.7	175.3
102.5°	309.4	313.1	325.3	340.9	363.3	384.8	399.8	390.5	340.6	251.7	159.2
105°	403.2	406.8	412.9	422.9	432.7	436.0	422.7	381.0	308.0	220.6	143.6
107.5°	453.0	455.4	457.4	457.4	452.5	436.6	402.3	346.6	274.6	199.2	137.1
110°	469.5	469.5	467.4	461.6	447.9	422.1	379.2	321.3	255.6	189.2	135.1



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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	467.6	465.4	460.1	450.1	430.2	399.7	356.3	301.4	241.5	183.4	135.1
115°	449.1	445.1	436.6	422.1	398.3	365.2	323.5	276.3	226.1	177.1	136.0
117.5°	416.8	414.4	406.0	390.8	367.1	336.7	300.7	260.1	216.9	174.0	138.0
120°	395.9	393.5	385.2	370.7	348.1	321.3	287.8	251.3	211.8	172.5	140.0
122.5°	377.4	375.2	367.0	353.6	333.5	308.4	278.6	244.8	207.4	171.3	141.6
125°	353.9	350.9	344.1	331.7	314.6	292.7	266.2	235.2	201.5	169.8	144.6
127.5°	333.8	332.4	326.1	315.1	299.6	279.1	254.4	225.5	196.0	169.1	147.7
130°	322.9	321.1	315.0	304.9	289.7	269.9	246.2	219.4	192.3	168.6	149.7
132.5°	311.9	309.8	304.2	294.2	279.0	259.9	238.4	213.3	189.4	168.6	151.9
135°	293.9	292.1	286.6	276.6	263.2	245.9	226.4	205.4	185.9	168.6	154.9
137.5°	274.7	272.8	267.7	258.6	246.6	231.9	215.7	198.7	182.8	168.9	157.6
140°	261.4	259.8	255.3	247.4	236.1	223.3	209.3	195.0	181.3	169.2	158.9
142.5°	249.0	247.7	243.4	236.7	227.1	216.0	204.0	191.9	180.1	169.4	159.5
145°	231.9	230.7	227.3	222.1	214.8	206.6	197.2	187.8	178.3	169.2	160.3
147.5°	217.4	216.8	214.9	210.8	205.0	198.8	191.5	183.8	176.4	168.4	160.7
150°	209.3	209.1	207.8	204.1	199.6	194.2	188.4	181.7	175.0	167.6	160.7
152.5°	203.0	202.7	201.5	198.5	194.8	190.5	185.2	179.3	173.2	166.7	160.4
155°	194.4	194.2	193.2	191.1	188.0	184.7	180.5	175.6	170.4	165.0	159.7
157.5°	186.8	186.8	186.0	184.3	181.8	179.3	175.9	171.9	167.7	163.1	158.9
160°	181.7	181.9	181.3	179.9	177.7	175.6	172.5	169.5	165.6	161.9	158.3
162.5°	177.0	177.1	176.9	175.7	174.1	172.2	169.6	166.8	163.6	160.4	157.5
165°	170.4	170.4	170.4	169.8	168.6	167.0	165.2	163.1	160.7	158.3	156.4
167.5°	164.3	164.4	164.6	164.1	163.5	162.4	161.0	159.5	157.8	156.1	154.7
170°	160.7	161.0	161.0	160.7	160.1	159.5	158.5	157.6	156.1	154.9	153.9
172.5°	157.2	157.6	158.1	157.5	157.4	157.0	156.4	155.4	154.4	153.4	153.0
175°	153.1	153.3	153.9	153.7	153.7	153.7	153.1	153.1	152.1	151.9	151.9
177.5°	150.9	150.9	151.6	151.4	151.6	151.6	151.6	151.4	151.2	150.9	150.9
180°	150.9	150.9	150.9	150.9	150.9	150.9	150.9	150.9	150.9	150.9	150.9



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CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	770.6	770.6	770.6	770.6	770.6	770.6	770.6	770.6	770.6	770.6	770.6
2.5°	792.8	791.0	788.9	785.2	780.8	778.4	774.8	772.4	767.7	763.8	759.6
5°	833.0	824.6	816.7	806.6	795.5	788.2	779.7	770.3	760.4	750.3	739.2
7.5°	874.7	859.7	843.3	825.7	808.6	792.7	777.6	762.8	748.9	732.1	717.9
10°	902.8	883.7	863.5	839.6	816.4	796.1	775.5	757.5	739.2	719.5	702.2
12.5°	930.7	905.4	876.8	850.6	822.7	798.2	774.0	751.0	728.0	706.2	686.0
15°	950.5	928.2	901.7	864.4	833.0	799.4	767.3	737.5	709.7	685.5	660.0
17.5°	963.5	934.9	906.4	870.6	829.5	791.8	755.4	721.4	690.1	659.4	634.8
20°	965.9	936.4	906.6	871.7	829.5	786.3	750.0	709.1	675.4	643.7	613.5
22.5°	965.1	931.7	899.3	863.2	822.2	782.4	738.5	696.8	660.2	629.0	597.6
25°	957.7	922.0	881.5	845.2	804.6	762.4	717.9	674.8	637.5	601.8	570.8
27.5°	951.5	905.3	859.4	817.0	777.8	739.2	696.6	652.4	611.1	574.9	545.6
30°	943.9	893.2	841.5	797.4	757.2	719.5	679.3	636.2	593.0	557.7	526.2
32.5°	937.1	878.0	823.5	775.4	732.9	696.3	659.2	618.1	575.8	539.8	508.5
35°	924.0	855.7	793.2	738.8	693.4	655.8	624.7	586.4	547.5	512.8	482.8
37.5°	907.3	826.2	759.1	702.2	652.4	612.8	583.8	554.5	517.1	483.7	456.5
40°	894.2	805.3	734.3	676.1	624.4	583.2	556.4	528.6	497.5	466.4	437.6
42.5°	877.7	786.4	709.1	646.5	595.4	555.2	527.0	503.4	476.0	447.0	420.3
45°	847.5	752.3	668.6	601.2	549.5	509.9	480.8	463.1	442.6	415.1	392.5
47.5°	802.9	711.3	624.7	555.1	501.8	465.1	437.8	420.9	406.4	386.0	365.5
50°	763.4	680.6	593.0	524.0	470.6	433.7	408.5	393.1	380.7	365.0	347.7
52.5°	719.2	642.1	561.9	493.6	440.8	404.4	379.7	366.2	355.9	344.6	327.5
55°	648.9	583.5	508.9	444.2	395.5	359.8	338.2	326.4	317.9	309.4	298.9
57.5°	571.5	520.4	454.3	395.1	350.3	317.8	297.6	286.2	279.6	275.2	269.1
60°	517.1	473.3	416.4	362.4	318.6	289.8	270.2	261.3	255.8	252.2	247.6
62.5°	466.6	430.6	377.9	328.6	290.3	263.1	245.6	237.0	231.7	230.0	226.1
65°	392.2	364.4	320.9	280.0	247.3	224.0	209.3	201.1	197.9	195.9	196.2
67.5°	318.8	301.9	267.0	232.1	206.0	186.5	174.7	168.4	166.8	164.2	164.1
70°	274.1	261.3	231.9	201.5	178.2	163.2	152.7	146.2	144.6	143.3	142.9
72.5°	234.5	223.4	197.9	173.5	152.7	139.4	130.8	126.8	124.2	123.4	123.3
75°	176.3	170.0	149.8	130.5	116.1	106.9	101.1	97.5	95.5	95.1	95.5
77.5°	125.4	119.9	107.0	93.3	84.3	77.3	72.3	71.1	68.9	69.0	68.6
80°	94.2	90.6	82.4	71.6	64.1	58.2	55.6	53.3	52.7	51.7	52.7
82.5°	68.3	64.4	58.9	52.0	45.8	42.3	39.6	38.9	38.5	38.1	38.2
85°	33.7	34.0	30.7	25.5	22.9	20.9	19.3	19.3	18.9	18.7	18.9
87.5°	12.3	11.6	10.6	9.6	8.2	7.3	6.9	7.1	6.4	6.3	6.6
90°	4.0	3.4	3.0	2.4	1.8	1.2	0.6	0.3	0.6	1.2	1.8
92.5°	69.4	41.6	25.0	16.1	10.8	7.1	4.5	3.7	4.5	7.1	10.8
95°	136.0	69.1	36.5	22.8	16.1	12.7	10.3	10.1	10.3	12.7	16.1
97.5°	108.6	59.5	38.0	28.2	22.1	18.8	17.0	16.7	17.0	18.8	22.1
100°	98.6	59.1	41.4	32.3	26.4	23.2	21.9	21.3	21.9	23.2	26.4
102.5°	94.5	61.2	45.5	36.7	31.3	27.7	26.8	26.4	26.8	27.7	31.3
105°	92.8	65.7	52.3	43.8	38.9	35.9	34.4	34.4	34.4	35.9	38.9
107.5°	95.6	72.4	59.5	51.8	46.8	44.3	42.8	42.2	42.8	44.3	46.8
110°	98.3	77.3	64.8	56.9	52.3	49.6	48.4	47.8	48.4	49.6	52.3



TEST NUMBER: P333162-935

CATALOG NUMBER: S125DIP-S610D365U935-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	101.7	81.9	69.9	62.3	57.7	54.9	54.0	53.4	54.0	54.9	57.7
115°	106.8	89.2	77.9	70.3	65.7	63.0	62.1	61.5	62.1	63.0	65.7
117.5°	112.6	96.6	85.9	78.6	73.4	70.7	69.7	68.8	69.7	70.7	73.4
120°	116.6	101.9	91.3	83.7	78.5	75.8	74.6	73.6	74.6	75.8	78.5
122.5°	120.9	107.0	96.4	88.8	83.2	80.4	79.4	78.8	79.4	80.4	83.2
125°	126.9	113.8	103.8	95.8	90.1	87.3	85.8	85.2	85.8	87.3	90.1
127.5°	132.3	120.3	110.6	102.7	96.6	93.1	91.2	90.2	91.2	93.1	96.6
130°	136.0	124.4	115.0	107.1	100.7	96.8	94.4	93.4	94.4	96.8	100.7
132.5°	139.2	128.4	118.9	111.0	104.4	100.0	97.0	95.8	97.0	100.0	104.4
135°	143.6	133.5	124.2	116.0	109.5	104.7	101.0	99.8	101.0	104.7	109.5
137.5°	146.9	137.3	128.7	120.3	114.0	109.1	105.7	104.8	105.7	109.1	114.0
140°	149.1	140.0	131.1	123.0	117.2	112.3	108.7	107.7	108.7	112.3	117.2
142.5°	150.3	141.6	133.4	125.6	120.1	115.2	111.8	111.2	111.8	115.2	120.1
145°	152.1	144.6	136.6	129.7	124.2	119.9	116.8	116.2	116.8	119.9	124.2
147.5°	153.3	146.4	139.4	133.3	128.5	124.6	121.9	121.6	121.9	124.6	128.5
150°	153.9	147.6	140.9	135.7	131.5	127.5	125.4	124.8	125.4	127.5	131.5
152.5°	154.5	148.8	142.6	137.9	133.9	130.4	128.5	128.2	128.5	130.4	133.9
155°	154.9	150.0	144.8	140.6	137.5	134.5	132.7	132.7	132.7	134.5	137.5
157.5°	155.2	151.0	146.6	143.4	140.7	138.1	136.6	136.7	136.6	138.1	140.7
160°	155.2	151.5	147.6	144.8	142.4	140.3	139.1	139.4	139.1	140.3	142.4
162.5°	155.0	152.1	148.5	146.3	144.4	142.5	141.3	141.5	141.3	142.5	144.4
165°	154.5	152.1	149.7	147.9	146.6	145.2	144.2	144.8	144.2	145.2	146.6
167.5°	153.9	152.1	150.2	149.0	148.1	147.3	146.7	147.1	146.7	147.3	148.1
170°	153.3	152.1	150.6	149.7	149.1	148.5	148.2	148.5	148.2	148.5	149.1
172.5°	152.9	151.9	150.6	150.2	149.8	149.2	149.0	149.5	149.0	149.2	149.8
175°	152.1	151.5	150.6	150.6	150.6	150.3	150.0	150.6	150.0	150.3	150.6
177.5°	151.4	151.2	150.7	150.7	150.9	150.7	150.7	151.2	150.7	150.7	150.9
180°	150.9	150.9	150.9	150.9	150.9	150.9	150.9	150.9	150.9	150.9	150.9



TEST NUMBER: P333162-935

CATALOG NUMBER: S125DIP-S610D365U935-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	770.6	770.6	770.6	770.6	770.6	770.6	770.6	770.6	770.6	770.6	770.6
2.5°	757.2	754.3	752.0	746.7	743.9	739.9	736.8	740.2	736.6	738.1	735.8
5°	733.7	724.4	717.9	708.4	700.3	692.8	687.2	686.2	683.5	682.3	678.4
7.5°	705.2	693.8	682.5	670.1	659.6	649.0	642.1	636.5	632.8	627.9	624.6
10°	688.5	673.1	660.0	645.0	631.9	620.4	611.3	606.7	602.4	596.2	594.0
12.5°	667.8	651.9	635.9	619.8	607.3	594.5	586.7	579.8	576.9	569.8	569.1
15°	643.0	619.1	603.5	587.1	569.7	559.3	552.8	545.3	542.0	537.1	533.5
17.5°	613.5	592.1	572.5	555.6	540.7	531.9	523.7	518.6	513.0	509.8	503.9
20°	592.0	571.7	552.1	534.1	522.6	512.6	506.0	501.1	495.2	493.5	487.7
22.5°	573.9	551.6	532.7	517.6	505.1	493.7	486.6	483.3	479.2	474.2	473.0
25°	544.6	521.3	505.3	490.3	479.1	468.7	463.8	459.5	455.6	452.0	450.7
27.5°	519.2	498.4	479.4	465.8	456.2	446.6	442.3	437.1	434.2	431.4	427.8
30°	501.4	480.2	463.5	450.4	439.9	431.4	426.8	423.3	420.6	418.0	416.0
32.5°	483.1	463.4	447.2	434.5	424.0	417.6	413.5	411.0	408.0	404.9	402.4
35°	458.9	437.3	421.6	410.4	402.3	397.4	392.8	390.5	387.3	387.3	384.6
37.5°	431.6	412.9	399.1	388.9	381.6	377.2	372.3	370.7	368.6	367.2	366.4
40°	415.3	398.0	385.0	374.8	367.0	363.3	359.5	356.8	355.5	353.9	353.3
42.5°	398.6	382.1	369.5	360.2	353.4	350.3	346.6	344.8	342.2	340.0	339.7
45°	373.2	357.1	345.7	338.2	332.3	328.7	326.4	322.5	321.2	318.6	318.2
47.5°	349.0	333.6	322.4	316.2	311.1	308.2	304.5	300.7	299.1	297.8	297.7
50°	331.0	316.9	306.4	300.6	295.7	291.4	287.8	285.2	284.2	284.2	284.9
52.5°	312.7	300.7	291.8	284.6	280.0	275.4	272.2	270.5	269.1	270.6	271.8
55°	285.9	273.8	267.3	260.4	255.8	250.6	248.9	248.2	247.3	249.9	251.2
57.5°	257.4	249.0	241.3	234.5	230.4	227.4	225.2	224.8	226.6	227.8	232.1
60°	239.4	229.6	222.7	217.5	212.6	210.6	210.0	209.3	210.6	214.2	219.8
62.5°	219.6	211.5	204.1	200.3	196.7	193.4	193.2	193.6	196.2	200.4	206.0
65°	190.4	183.5	178.6	174.0	171.1	169.1	169.8	171.1	174.0	179.6	185.8
67.5°	160.7	156.0	151.6	147.9	145.1	145.1	145.8	147.7	151.2	157.6	163.2
70°	141.6	136.4	132.8	131.1	128.9	127.6	129.5	132.8	135.7	141.6	146.5
72.5°	122.5	118.0	115.3	114.2	113.1	112.1	112.8	116.3	120.3	126.2	131.9
75°	94.2	92.6	90.6	89.3	88.3	88.9	89.6	92.9	96.2	102.4	108.9
77.5°	68.8	67.1	65.9	65.5	65.0	65.3	67.2	69.6	72.8	77.3	82.3
80°	52.0	51.3	50.7	50.4	50.4	50.7	53.3	54.9	57.9	62.2	66.0
82.5°	37.9	37.5	37.4	37.3	37.5	37.6	39.2	41.3	43.7	47.0	50.4
85°	20.0	19.3	20.3	20.6	20.0	20.9	21.6	22.9	23.8	25.5	27.1
87.5°	7.1	7.7	7.5	7.8	7.9	8.5	8.4	9.5	10.1	10.7	10.5
90°	2.4	3.0	3.4	4.0	4.2	4.9	5.2	5.5	5.8	6.1	6.7
92.5°	16.1	25.0	41.6	69.4	99.7	98.1	79.4	53.9	39.1	29.4	25.0
95°	22.8	36.5	69.1	136.0	220.0	269.6	263.8	218.8	172.5	135.1	109.5
97.5°	28.2	38.0	59.5	108.6	196.5	287.9	333.8	325.8	293.4	256.9	221.4
100°	32.3	41.4	59.1	98.6	175.3	274.7	350.9	374.3	359.4	328.0	296.4
102.5°	36.7	45.5	61.2	94.5	159.2	251.7	340.6	390.5	399.8	384.8	363.3
105°	43.8	52.3	65.7	92.8	143.6	220.6	308.0	381.0	422.7	436.0	432.7
107.5°	51.8	59.5	72.4	95.6	137.1	199.2	274.6	346.6	402.3	436.6	452.5
110°	56.9	64.8	77.3	98.3	135.1	189.2	255.6	321.3	379.2	422.1	447.9



TEST NUMBER: P333162-935

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CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	62.3	69.9	81.9	101.7	135.1	183.4	241.5	301.4	356.3	399.7	430.2
115°	70.3	77.9	89.2	106.8	136.0	177.1	226.1	276.3	323.5	365.2	398.3
117.5°	78.6	85.9	96.6	112.6	138.0	174.0	216.9	260.1	300.7	336.7	367.1
120°	83.7	91.3	101.9	116.6	140.0	172.5	211.8	251.3	287.8	321.3	348.1
122.5°	88.8	96.4	107.0	120.9	141.6	171.3	207.4	244.8	278.6	308.4	333.5
125°	95.8	103.8	113.8	126.9	144.6	169.8	201.5	235.2	266.2	292.7	314.6
127.5°	102.7	110.6	120.3	132.3	147.7	169.1	196.0	225.5	254.4	279.1	299.6
130°	107.1	115.0	124.4	136.0	149.7	168.6	192.3	219.4	246.2	269.9	289.7
132.5°	111.0	118.9	128.4	139.2	151.9	168.6	189.4	213.3	238.4	259.9	279.0
135°	116.0	124.2	133.5	143.6	154.9	168.6	185.9	205.4	226.4	245.9	263.2
137.5°	120.3	128.7	137.3	146.9	157.6	168.9	182.8	198.7	215.7	231.9	246.6
140°	123.0	131.1	140.0	149.1	158.9	169.2	181.3	195.0	209.3	223.3	236.1
142.5°	125.6	133.4	141.6	150.3	159.5	169.4	180.1	191.9	204.0	216.0	227.1
145°	129.7	136.6	144.6	152.1	160.3	169.2	178.3	187.8	197.2	206.6	214.8
147.5°	133.3	139.4	146.4	153.3	160.7	168.4	176.4	183.8	191.5	198.8	205.0
150°	135.7	140.9	147.6	153.9	160.7	167.6	175.0	181.7	188.4	194.2	199.6
152.5°	137.9	142.6	148.8	154.5	160.4	166.7	173.2	179.3	185.2	190.5	194.8
155°	140.6	144.8	150.0	154.9	159.7	165.0	170.4	175.6	180.5	184.7	188.0
157.5°	143.4	146.6	151.0	155.2	158.9	163.1	167.7	171.9	175.9	179.3	181.8
160°	144.8	147.6	151.5	155.2	158.3	161.9	165.6	169.5	172.5	175.6	177.7
162.5°	146.3	148.5	152.1	155.0	157.5	160.4	163.6	166.8	169.6	172.2	174.1
165°	147.9	149.7	152.1	154.5	156.4	158.3	160.7	163.1	165.2	167.0	168.6
167.5°	149.0	150.2	152.1	153.9	154.7	156.1	157.8	159.5	161.0	162.4	163.5
170°	149.7	150.6	152.1	153.3	153.9	154.9	156.1	157.6	158.5	159.5	160.1
172.5°	150.2	150.6	151.9	152.9	153.0	153.4	154.4	155.4	156.4	157.0	157.4
175°	150.6	150.6	151.5	152.1	151.9	151.9	152.1	153.1	153.1	153.7	153.7
177.5°	150.7	150.7	151.2	151.4	150.9	150.9	151.2	151.4	151.6	151.6	151.6
180°	150.9	150.9	150.9	150.9	150.9	150.9	150.9	150.9	150.9	150.9	150.9



TEST NUMBER: P333162-935

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CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	770.6	770.6	770.6	770.6	770.6	770.6	770.6	770.6	770.6	770.6	770.6
2.5°	734.2	736.1	734.5	736.6	734.5	736.1	734.2	735.8	738.1	736.6	740.2
5°	676.7	673.7	675.7	674.4	675.7	673.7	676.7	678.4	682.3	683.5	686.2
7.5°	623.6	620.8	617.6	616.0	617.6	620.8	623.6	624.6	627.9	632.8	636.5
10°	590.4	586.8	586.4	584.2	586.4	586.8	590.4	594.0	596.2	602.4	606.7
12.5°	566.0	562.7	559.0	558.0	559.0	562.7	566.0	569.1	569.8	576.9	579.8
15°	531.5	528.9	526.6	528.6	526.6	528.9	531.5	533.5	537.1	542.0	545.3
17.5°	502.7	500.6	500.2	497.8	500.2	500.6	502.7	503.9	509.8	513.0	518.6
20°	484.7	483.1	483.7	479.5	483.7	483.1	484.7	487.7	493.5	495.2	501.1
22.5°	470.4	467.1	466.7	465.9	466.7	467.1	470.4	473.0	474.2	479.2	483.3
25°	447.8	446.2	444.5	446.2	444.5	446.2	447.8	450.7	452.0	455.6	459.5
27.5°	428.1	426.1	425.7	425.9	425.7	426.1	428.1	427.8	431.4	434.2	437.1
30°	416.0	412.8	413.1	412.8	413.1	412.8	416.0	416.0	418.0	420.6	423.3
32.5°	402.9	400.7	400.3	399.7	400.3	400.7	402.9	402.4	404.9	408.0	411.0
35°	383.7	383.7	382.0	382.0	382.0	383.7	383.7	384.6	387.3	387.3	390.5
37.5°	365.5	365.2	364.2	364.4	364.2	365.2	365.5	366.4	367.2	368.6	370.7
40°	351.9	351.6	350.6	348.6	350.6	351.6	351.9	353.3	353.9	355.5	356.8
42.5°	338.9	337.8	337.3	336.7	337.3	337.8	338.9	339.7	340.0	342.2	344.8
45°	318.2	318.2	317.6	317.3	317.6	318.2	318.2	318.2	318.6	321.2	322.5
47.5°	298.3	298.9	300.1	299.9	300.1	298.9	298.3	297.7	297.8	299.1	300.7
50°	286.2	286.5	287.5	287.8	287.5	286.5	286.2	284.9	284.2	284.2	285.2
52.5°	272.9	274.7	276.0	275.8	276.0	274.7	272.9	271.8	270.6	269.1	270.5
55°	254.2	256.4	258.7	259.1	258.7	256.4	254.2	251.2	249.9	247.3	248.2
57.5°	235.7	238.8	241.3	242.0	241.3	238.8	235.7	232.1	227.8	226.6	224.8
60°	223.1	227.3	230.2	231.6	230.2	227.3	223.1	219.8	214.2	210.6	209.3
62.5°	211.0	215.8	218.8	219.0	218.8	215.8	211.0	206.0	200.4	196.2	193.6
65°	191.3	196.2	198.9	200.8	198.9	196.2	191.3	185.8	179.6	174.0	171.1
67.5°	170.1	175.0	178.0	179.5	178.0	175.0	170.1	163.2	157.6	151.2	147.7
70°	154.7	159.6	163.5	164.9	163.5	159.6	154.7	146.5	141.6	135.7	132.8
72.5°	139.6	143.9	147.1	148.6	147.1	143.9	139.6	131.9	126.2	120.3	116.3
75°	113.1	119.1	122.0	123.6	122.0	119.1	113.1	108.9	102.4	96.2	92.9
77.5°	87.3	92.6	94.4	95.2	94.4	92.6	87.3	82.3	77.3	72.8	69.6
80°	70.0	73.3	75.6	75.9	75.6	73.3	70.0	66.0	62.2	57.9	54.9
82.5°	53.8	56.5	57.3	58.1	57.3	56.5	53.8	50.4	47.0	43.7	41.3
85°	29.4	30.7	31.1	30.7	31.1	30.7	29.4	27.1	25.5	23.8	22.9
87.5°	11.0	10.8	10.8	11.4	10.8	10.8	11.0	10.5	10.7	10.1	9.5
90°	6.7	6.7	7.0	7.0	7.0	6.7	6.7	6.7	6.1	5.8	5.5
92.5°	21.1	20.3	19.9	19.4	19.9	20.3	21.1	25.0	29.4	39.1	53.9
95°	87.9	78.8	76.4	71.5	76.4	78.8	87.9	109.5	135.1	172.5	218.8
97.5°	202.6	185.5	176.8	172.8	176.8	185.5	202.6	221.4	256.9	293.4	325.8
100°	275.3	253.5	242.2	237.4	242.2	253.5	275.3	296.4	328.0	359.4	374.3
102.5°	340.9	325.3	313.1	309.4	313.1	325.3	340.9	363.3	384.8	399.8	390.5
105°	422.9	412.9	406.8	403.2	406.8	412.9	422.9	432.7	436.0	422.7	381.0
107.5°	457.4	457.4	455.4	453.0	455.4	457.4	457.4	452.5	436.6	402.3	346.6
110°	461.6	467.4	469.5	469.5	469.5	467.4	461.6	447.9	422.1	379.2	321.3



TEST NUMBER: P333162-935

CATALOG NUMBER: S125DIP-S610D365U935-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	450.1	460.1	465.4	467.6	465.4	460.1	450.1	430.2	399.7	356.3	301.4
115°	422.1	436.6	445.1	449.1	445.1	436.6	422.1	398.3	365.2	323.5	276.3
117.5°	390.8	406.0	414.4	416.8	414.4	406.0	390.8	367.1	336.7	300.7	260.1
120°	370.7	385.2	393.5	395.9	393.5	385.2	370.7	348.1	321.3	287.8	251.3
122.5°	353.6	367.0	375.2	377.4	375.2	367.0	353.6	333.5	308.4	278.6	244.8
125°	331.7	344.1	350.9	353.9	350.9	344.1	331.7	314.6	292.7	266.2	235.2
127.5°	315.1	326.1	332.4	333.8	332.4	326.1	315.1	299.6	279.1	254.4	225.5
130°	304.9	315.0	321.1	322.9	321.1	315.0	304.9	289.7	269.9	246.2	219.4
132.5°	294.2	304.2	309.8	311.9	309.8	304.2	294.2	279.0	259.9	238.4	213.3
135°	276.6	286.6	292.1	293.9	292.1	286.6	276.6	263.2	245.9	226.4	205.4
137.5°	258.6	267.7	272.8	274.7	272.8	267.7	258.6	246.6	231.9	215.7	198.7
140°	247.4	255.3	259.8	261.4	259.8	255.3	247.4	236.1	223.3	209.3	195.0
142.5°	236.7	243.4	247.7	249.0	247.7	243.4	236.7	227.1	216.0	204.0	191.9
145°	222.1	227.3	230.7	231.9	230.7	227.3	222.1	214.8	206.6	197.2	187.8
147.5°	210.8	214.9	216.8	217.4	216.8	214.9	210.8	205.0	198.8	191.5	183.8
150°	204.1	207.8	209.1	209.3	209.1	207.8	204.1	199.6	194.2	188.4	181.7
152.5°	198.5	201.5	202.7	203.0	202.7	201.5	198.5	194.8	190.5	185.2	179.3
155°	191.1	193.2	194.2	194.4	194.2	193.2	191.1	188.0	184.7	180.5	175.6
157.5°	184.3	186.0	186.8	186.8	186.8	186.0	184.3	181.8	179.3	175.9	171.9
160°	179.9	181.3	181.9	181.7	181.9	181.3	179.9	177.7	175.6	172.5	169.5
162.5°	175.7	176.9	177.1	177.0	177.1	176.9	175.7	174.1	172.2	169.6	166.8
165°	169.8	170.4	170.4	170.4	170.4	170.4	169.8	168.6	167.0	165.2	163.1
167.5°	164.1	164.6	164.4	164.3	164.4	164.6	164.1	163.5	162.4	161.0	159.5
170°	160.7	161.0	161.0	160.7	161.0	161.0	160.7	160.1	159.5	158.5	157.6
172.5°	157.5	158.1	157.6	157.2	157.6	158.1	157.5	157.4	157.0	156.4	155.4
175°	153.7	153.9	153.3	153.1	153.3	153.9	153.7	153.7	153.7	153.1	153.1
177.5°	151.4	151.6	150.9	150.9	150.9	151.6	151.4	151.6	151.6	151.6	151.4
180°	150.9	150.9	150.9	150.9	150.9	150.9	150.9	150.9	150.9	150.9	150.9



TEST NUMBER: P333162-935

CATALOG NUMBER: S125DIP-S610D365U935-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	770.6	770.6	770.6	770.6	770.6	770.6	770.6	770.6	770.6	770.6	770.6
2.5°	736.8	739.9	743.9	746.7	752.0	754.3	757.2	759.6	763.8	767.7	772.4
5°	687.2	692.8	700.3	708.4	717.9	724.4	733.7	739.2	750.3	760.4	770.3
7.5°	642.1	649.0	659.6	670.1	682.5	693.8	705.2	717.9	732.1	748.9	762.8
10°	611.3	620.4	631.9	645.0	660.0	673.1	688.5	702.2	719.5	739.2	757.5
12.5°	586.7	594.5	607.3	619.8	635.9	651.9	667.8	686.0	706.2	728.0	751.0
15°	552.8	559.3	569.7	587.1	603.5	619.1	643.0	660.0	685.5	709.7	737.5
17.5°	523.7	531.9	540.7	555.6	572.5	592.1	613.5	634.8	659.4	690.1	721.4
20°	506.0	512.6	522.6	534.1	552.1	571.7	592.0	613.5	643.7	675.4	709.1
22.5°	486.6	493.7	505.1	517.6	532.7	551.6	573.9	597.6	629.0	660.2	696.8
25°	463.8	468.7	479.1	490.3	505.3	521.3	544.6	570.8	601.8	637.5	674.8
27.5°	442.3	446.6	456.2	465.8	479.4	498.4	519.2	545.6	574.9	611.1	652.4
30°	426.8	431.4	439.9	450.4	463.5	480.2	501.4	526.2	557.7	593.0	636.2
32.5°	413.5	417.6	424.0	434.5	447.2	463.4	483.1	508.5	539.8	575.8	618.1
35°	392.8	397.4	402.3	410.4	421.6	437.3	458.9	482.8	512.8	547.5	586.4
37.5°	372.3	377.2	381.6	388.9	399.1	412.9	431.6	456.5	483.7	517.1	554.5
40°	359.5	363.3	367.0	374.8	385.0	398.0	415.3	437.6	466.4	497.5	528.6
42.5°	346.6	350.3	353.4	360.2	369.5	382.1	398.6	420.3	447.0	476.0	503.4
45°	326.4	328.7	332.3	338.2	345.7	357.1	373.2	392.5	415.1	442.6	463.1
47.5°	304.5	308.2	311.1	316.2	322.4	333.6	349.0	365.5	386.0	406.4	420.9
50°	287.8	291.4	295.7	300.6	306.4	316.9	331.0	347.7	365.0	380.7	393.1
52.5°	272.2	275.4	280.0	284.6	291.8	300.7	312.7	327.5	344.6	355.9	366.2
55°	248.9	250.6	255.8	260.4	267.3	273.8	285.9	298.9	309.4	317.9	326.4
57.5°	225.2	227.4	230.4	234.5	241.3	249.0	257.4	269.1	275.2	279.6	286.2
60°	210.0	210.6	212.6	217.5	222.7	229.6	239.4	247.6	252.2	255.8	261.3
62.5°	193.2	193.4	196.7	200.3	204.1	211.5	219.6	226.1	230.0	231.7	237.0
65°	169.8	169.1	171.1	174.0	178.6	183.5	190.4	196.2	195.9	197.9	201.1
67.5°	145.8	145.1	145.1	147.9	151.6	156.0	160.7	164.1	164.2	166.8	168.4
70°	129.5	127.6	128.9	131.1	132.8	136.4	141.6	142.9	143.3	144.6	146.2
72.5°	112.8	112.1	113.1	114.2	115.3	118.0	122.5	123.3	123.4	124.2	126.8
75°	89.6	88.9	88.3	89.3	90.6	92.6	94.2	95.5	95.1	95.5	97.5
77.5°	67.2	65.3	65.0	65.5	65.9	67.1	68.8	68.6	69.0	68.9	71.1
80°	53.3	50.7	50.4	50.4	50.7	51.3	52.0	52.7	51.7	52.7	53.3
82.5°	39.2	37.6	37.5	37.3	37.4	37.5	37.9	38.2	38.1	38.5	38.9
85°	21.6	20.9	20.0	20.6	20.3	19.3	20.0	18.9	18.7	18.9	19.3
87.5°	8.4	8.5	7.9	7.8	7.5	7.7	7.1	6.6	6.3	6.4	7.1
90°	5.2	4.9	4.2	4.0	3.4	3.0	2.4	1.8	1.2	0.6	0.3
92.5°	79.4	98.1	99.7	69.4	41.6	25.0	16.1	10.8	7.1	4.5	3.7
95°	263.8	269.6	220.0	136.0	69.1	36.5	22.8	16.1	12.7	10.3	10.1
97.5°	333.8	287.9	196.5	108.6	59.5	38.0	28.2	22.1	18.8	17.0	16.7
100°	350.9	274.7	175.3	98.6	59.1	41.4	32.3	26.4	23.2	21.9	21.3
102.5°	340.6	251.7	159.2	94.5	61.2	45.5	36.7	31.3	27.7	26.8	26.4
105°	308.0	220.6	143.6	92.8	65.7	52.3	43.8	38.9	35.9	34.4	34.4
107.5°	274.6	199.2	137.1	95.6	72.4	59.5	51.8	46.8	44.3	42.8	42.2
110°	255.6	189.2	135.1	98.3	77.3	64.8	56.9	52.3	49.6	48.4	47.8



TEST NUMBER: P333162-935

CATALOG NUMBER: S125DIP-S610D365U935-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	241.5	183.4	135.1	101.7	81.9	69.9	62.3	57.7	54.9	54.0	53.4
115°	226.1	177.1	136.0	106.8	89.2	77.9	70.3	65.7	63.0	62.1	61.5
117.5°	216.9	174.0	138.0	112.6	96.6	85.9	78.6	73.4	70.7	69.7	68.8
120°	211.8	172.5	140.0	116.6	101.9	91.3	83.7	78.5	75.8	74.6	73.6
122.5°	207.4	171.3	141.6	120.9	107.0	96.4	88.8	83.2	80.4	79.4	78.8
125°	201.5	169.8	144.6	126.9	113.8	103.8	95.8	90.1	87.3	85.8	85.2
127.5°	196.0	169.1	147.7	132.3	120.3	110.6	102.7	96.6	93.1	91.2	90.2
130°	192.3	168.6	149.7	136.0	124.4	115.0	107.1	100.7	96.8	94.4	93.4
132.5°	189.4	168.6	151.9	139.2	128.4	118.9	111.0	104.4	100.0	97.0	95.8
135°	185.9	168.6	154.9	143.6	133.5	124.2	116.0	109.5	104.7	101.0	99.8
137.5°	182.8	168.9	157.6	146.9	137.3	128.7	120.3	114.0	109.1	105.7	104.8
140°	181.3	169.2	158.9	149.1	140.0	131.1	123.0	117.2	112.3	108.7	107.7
142.5°	180.1	169.4	159.5	150.3	141.6	133.4	125.6	120.1	115.2	111.8	111.2
145°	178.3	169.2	160.3	152.1	144.6	136.6	129.7	124.2	119.9	116.8	116.2
147.5°	176.4	168.4	160.7	153.3	146.4	139.4	133.3	128.5	124.6	121.9	121.6
150°	175.0	167.6	160.7	153.9	147.6	140.9	135.7	131.5	127.5	125.4	124.8
152.5°	173.2	166.7	160.4	154.5	148.8	142.6	137.9	133.9	130.4	128.5	128.2
155°	170.4	165.0	159.7	154.9	150.0	144.8	140.6	137.5	134.5	132.7	132.7
157.5°	167.7	163.1	158.9	155.2	151.0	146.6	143.4	140.7	138.1	136.6	136.7
160°	165.6	161.9	158.3	155.2	151.5	147.6	144.8	142.4	140.3	139.1	139.4
162.5°	163.6	160.4	157.5	155.0	152.1	148.5	146.3	144.4	142.5	141.3	141.5
165°	160.7	158.3	156.4	154.5	152.1	149.7	147.9	146.6	145.2	144.2	144.8
167.5°	157.8	156.1	154.7	153.9	152.1	150.2	149.0	148.1	147.3	146.7	147.1
170°	156.1	154.9	153.9	153.3	152.1	150.6	149.7	149.1	148.5	148.2	148.5
172.5°	154.4	153.4	153.0	152.9	151.9	150.6	150.2	149.8	149.2	149.0	149.5
175°	152.1	151.9	151.9	152.1	151.5	150.6	150.6	150.6	150.3	150.0	150.6
177.5°	151.2	150.9	150.9	151.4	151.2	150.7	150.7	150.9	150.7	150.7	151.2
180°	150.9	150.9	150.9	150.9	150.9	150.9	150.9	150.9	150.9	150.9	150.9



TEST NUMBER: P333162-935

CATALOG NUMBER: S125DIP-S610D365U935-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	770.6	770.6	770.6	770.6	770.6	770.6	770.6	770.6	770.6	770.6	770.6
2.5°	774.8	778.4	780.8	785.2	788.9	791.0	792.8	794.4	796.3	797.8	802.3
5°	779.7	788.2	795.5	806.6	816.7	824.6	833.0	840.6	846.8	855.7	862.5
7.5°	777.6	792.7	808.6	825.7	843.3	859.7	874.7	888.8	901.6	917.0	930.5
10°	775.5	796.1	816.4	839.6	863.5	883.7	902.8	922.0	936.1	955.7	972.4
12.5°	774.0	798.2	822.7	850.6	876.8	905.4	930.7	944.8	966.2	981.9	1001.7
15°	767.3	799.4	833.0	864.4	901.7	928.2	950.5	977.9	997.9	1017.9	1039.4
17.5°	755.4	791.8	829.5	870.6	906.4	934.9	963.5	990.0	1013.8	1040.5	1067.5
20°	750.0	786.3	829.5	871.7	906.6	936.4	965.9	995.0	1021.1	1055.5	1086.5
22.5°	738.5	782.4	822.2	863.2	899.3	931.7	965.1	998.1	1032.9	1071.7	1110.6
25°	717.9	762.4	804.6	845.2	881.5	922.0	957.7	1001.9	1046.3	1097.7	1146.1
27.5°	696.6	739.2	777.8	817.0	859.4	905.3	951.5	1001.6	1059.9	1124.6	1193.0
30°	679.3	719.5	757.2	797.4	841.5	893.2	943.9	1003.5	1070.8	1143.8	1224.9
32.5°	659.2	696.3	732.9	775.4	823.5	878.0	937.1	1002.4	1083.4	1166.3	1249.7
35°	624.7	655.8	693.4	738.8	793.2	855.7	924.0	1001.2	1094.1	1189.2	1259.6
37.5°	583.8	612.8	652.4	702.2	759.1	826.2	907.3	998.8	1097.5	1173.4	1196.1
40°	556.4	583.2	624.4	676.1	734.3	805.3	894.2	991.0	1086.5	1135.0	1116.3
42.5°	527.0	555.2	595.4	646.5	709.1	786.4	877.7	974.6	1054.6	1072.9	1008.5
45°	480.8	509.9	549.5	601.2	668.6	752.3	847.5	935.4	981.5	948.5	848.8
47.5°	437.8	465.1	501.8	555.1	624.7	711.3	802.9	873.1	876.8	797.9	691.4
50°	408.5	433.7	470.6	524.0	593.0	680.6	763.4	818.6	793.8	704.6	602.2
52.5°	379.7	404.4	440.8	493.6	561.9	642.1	719.2	757.9	711.1	619.5	532.0
55°	338.2	359.8	395.5	444.2	508.9	583.5	648.9	662.3	601.5	511.2	440.2
57.5°	297.6	317.8	350.3	395.1	454.3	520.4	571.5	568.7	504.4	426.9	370.6
60°	270.2	289.8	318.6	362.4	416.4	473.3	517.1	506.6	442.9	376.2	328.7
62.5°	245.6	263.1	290.3	328.6	377.9	430.6	466.6	451.2	388.7	330.4	292.8
65°	209.3	224.0	247.3	280.0	320.9	364.4	392.2	372.2	318.9	273.5	243.3
67.5°	174.7	186.5	206.0	232.1	267.0	301.9	318.8	298.8	256.1	222.9	200.6
70°	152.7	163.2	178.2	201.5	231.9	261.3	274.1	256.1	219.5	191.0	175.0
72.5°	130.8	139.4	152.7	173.5	197.9	223.4	234.5	217.4	187.3	163.2	148.3
75°	101.1	106.9	116.1	130.5	149.8	170.0	176.3	161.3	142.0	124.0	114.2
77.5°	72.3	77.3	84.3	93.3	107.0	119.9	125.4	116.7	101.7	90.3	82.3
80°	55.6	58.2	64.1	71.6	82.4	90.6	94.2	88.6	78.2	69.7	63.5
82.5°	39.6	42.3	45.8	52.0	58.9	64.4	68.3	64.6	57.0	50.3	46.7
85°	19.3	20.9	22.9	25.5	30.7	34.0	33.7	31.4	28.4	25.8	23.8
87.5°	6.9	7.3	8.2	9.6	10.6	11.6	12.3	11.9	10.9	10.2	9.5
90°	0.6	1.2	1.8	2.4	3.0	3.4	4.0	4.2	4.9	5.2	5.5
92.5°	4.5	7.1	10.8	16.1	25.0	41.6	69.4	99.7	98.1	79.4	53.9
95°	10.3	12.7	16.1	22.8	36.5	69.1	136.0	220.0	269.6	263.8	218.8
97.5°	17.0	18.8	22.1	28.2	38.0	59.5	108.6	196.5	287.9	333.8	325.8
100°	21.9	23.2	26.4	32.3	41.4	59.1	98.6	175.3	274.7	350.9	374.3
102.5°	26.8	27.7	31.3	36.7	45.5	61.2	94.5	159.2	251.7	340.6	390.5
105°	34.4	35.9	38.9	43.8	52.3	65.7	92.8	143.6	220.6	308.0	381.0
107.5°	42.8	44.3	46.8	51.8	59.5	72.4	95.6	137.1	199.2	274.6	346.6
110°	48.4	49.6	52.3	56.9	64.8	77.3	98.3	135.1	189.2	255.6	321.3



TEST NUMBER: P333162-935

CATALOG NUMBER: S125DIP-S610D365U935-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	54.0	54.9	57.7	62.3	69.9	81.9	101.7	135.1	183.4	241.5	301.4
115°	62.1	63.0	65.7	70.3	77.9	89.2	106.8	136.0	177.1	226.1	276.3
117.5°	69.7	70.7	73.4	78.6	85.9	96.6	112.6	138.0	174.0	216.9	260.1
120°	74.6	75.8	78.5	83.7	91.3	101.9	116.6	140.0	172.5	211.8	251.3
122.5°	79.4	80.4	83.2	88.8	96.4	107.0	120.9	141.6	171.3	207.4	244.8
125°	85.8	87.3	90.1	95.8	103.8	113.8	126.9	144.6	169.8	201.5	235.2
127.5°	91.2	93.1	96.6	102.7	110.6	120.3	132.3	147.7	169.1	196.0	225.5
130°	94.4	96.8	100.7	107.1	115.0	124.4	136.0	149.7	168.6	192.3	219.4
132.5°	97.0	100.0	104.4	111.0	118.9	128.4	139.2	151.9	168.6	189.4	213.3
135°	101.0	104.7	109.5	116.0	124.2	133.5	143.6	154.9	168.6	185.9	205.4
137.5°	105.7	109.1	114.0	120.3	128.7	137.3	146.9	157.6	168.9	182.8	198.7
140°	108.7	112.3	117.2	123.0	131.1	140.0	149.1	158.9	169.2	181.3	195.0
142.5°	111.8	115.2	120.1	125.6	133.4	141.6	150.3	159.5	169.4	180.1	191.9
145°	116.8	119.9	124.2	129.7	136.6	144.6	152.1	160.3	169.2	178.3	187.8
147.5°	121.9	124.6	128.5	133.3	139.4	146.4	153.3	160.7	168.4	176.4	183.8
150°	125.4	127.5	131.5	135.7	140.9	147.6	153.9	160.7	167.6	175.0	181.7
152.5°	128.5	130.4	133.9	137.9	142.6	148.8	154.5	160.4	166.7	173.2	179.3
155°	132.7	134.5	137.5	140.6	144.8	150.0	154.9	159.7	165.0	170.4	175.6
157.5°	136.6	138.1	140.7	143.4	146.6	151.0	155.2	158.9	163.1	167.7	171.9
160°	139.1	140.3	142.4	144.8	147.6	151.5	155.2	158.3	161.9	165.6	169.5
162.5°	141.3	142.5	144.4	146.3	148.5	152.1	155.0	157.5	160.4	163.6	166.8
165°	144.2	145.2	146.6	147.9	149.7	152.1	154.5	156.4	158.3	160.7	163.1
167.5°	146.7	147.3	148.1	149.0	150.2	152.1	153.9	154.7	156.1	157.8	159.5
170°	148.2	148.5	149.1	149.7	150.6	152.1	153.3	153.9	154.9	156.1	157.6
172.5°	149.0	149.2	149.8	150.2	150.6	151.9	152.9	153.0	153.4	154.4	155.4
175°	150.0	150.3	150.6	150.6	150.6	151.5	152.1	151.9	151.9	152.1	153.1
177.5°	150.7	150.7	150.9	150.7	150.7	151.2	151.4	150.9	150.9	151.2	151.4
180°	150.9	150.9	150.9	150.9	150.9	150.9	150.9	150.9	150.9	150.9	150.9



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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	770.6	770.6	770.6	770.6	770.6	770.6	770.6
2.5°	805.9	808.0	812.4	810.9	813.0	814.0	815.1
5°	871.0	881.5	886.1	885.4	892.3	890.6	889.0
7.5°	944.5	955.5	961.7	969.3	973.8	974.0	977.9
10°	986.1	1000.5	1006.4	1014.6	1019.9	1022.8	1022.4
12.5°	1018.0	1029.3	1042.5	1046.5	1053.6	1057.3	1055.9
15°	1056.4	1074.4	1088.1	1095.0	1103.9	1106.5	1110.1
17.5°	1090.7	1114.8	1130.9	1152.2	1160.3	1165.2	1162.3
20°	1116.6	1148.3	1164.4	1189.9	1203.9	1211.5	1208.8
22.5°	1147.3	1181.6	1211.3	1233.3	1254.7	1264.9	1267.0
25°	1199.7	1246.8	1290.3	1319.4	1345.9	1352.1	1365.9
27.5°	1258.4	1313.9	1360.4	1390.9	1409.5	1416.3	1420.6
30°	1295.2	1350.5	1385.5	1405.1	1411.0	1410.3	1409.7
32.5°	1313.3	1347.9	1354.6	1349.1	1335.7	1324.2	1312.3
35°	1287.7	1261.9	1223.2	1173.5	1137.0	1099.9	1096.3
37.5°	1158.1	1075.5	1011.2	939.5	898.1	872.5	854.8
40°	1036.1	942.3	864.4	803.9	761.7	745.1	728.8
42.5°	903.8	814.1	745.1	694.6	662.9	644.4	631.4
45°	734.3	655.1	601.2	564.6	539.3	525.0	516.8
47.5°	601.7	543.1	497.3	470.9	453.5	442.3	442.3
50°	530.5	474.6	444.2	423.3	408.2	399.3	401.0
52.5°	467.4	425.7	399.7	382.1	371.0	365.6	365.4
55°	390.9	360.8	343.8	331.0	323.5	317.3	318.6
57.5°	334.3	308.9	297.6	287.0	281.7	279.2	275.7
60°	299.3	279.7	269.8	261.3	256.1	254.2	250.6
62.5°	268.1	252.7	243.1	236.2	231.5	230.8	228.0
65°	225.3	213.6	205.1	201.8	196.9	195.6	195.6
67.5°	185.8	177.4	170.7	167.7	165.6	165.9	164.3
70°	160.9	154.0	149.8	146.5	144.9	145.3	143.9
72.5°	140.8	133.1	129.4	127.4	125.3	126.1	125.6
75°	106.6	102.7	100.7	98.8	97.5	96.8	96.2
77.5°	78.3	74.8	73.4	72.2	72.4	70.9	72.1
80°	60.5	57.6	56.6	54.9	54.6	54.6	54.3
82.5°	44.3	42.6	41.9	40.6	40.0	40.5	39.6
85°	22.9	21.6	21.3	21.3	20.6	20.0	21.6
87.5°	9.6	8.5	8.7	8.4	8.4	8.2	7.7
90°	5.8	6.1	6.7	6.7	6.7	7.0	7.0
92.5°	39.1	29.4	25.0	21.1	20.3	19.9	19.4
95°	172.5	135.1	109.5	87.9	78.8	76.4	71.5
97.5°	293.4	256.9	221.4	202.6	185.5	176.8	172.8
100°	359.4	328.0	296.4	275.3	253.5	242.2	237.4
102.5°	399.8	384.8	363.3	340.9	325.3	313.1	309.4
105°	422.7	436.0	432.7	422.9	412.9	406.8	403.2
107.5°	402.3	436.6	452.5	457.4	457.4	455.4	453.0
110°	379.2	422.1	447.9	461.6	467.4	469.5	469.5



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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
112.5°	356.3	399.7	430.2	450.1	460.1	465.4	467.6
115°	323.5	365.2	398.3	422.1	436.6	445.1	449.1
117.5°	300.7	336.7	367.1	390.8	406.0	414.4	416.8
120°	287.8	321.3	348.1	370.7	385.2	393.5	395.9
122.5°	278.6	308.4	333.5	353.6	367.0	375.2	377.4
125°	266.2	292.7	314.6	331.7	344.1	350.9	353.9
127.5°	254.4	279.1	299.6	315.1	326.1	332.4	333.8
130°	246.2	269.9	289.7	304.9	315.0	321.1	322.9
132.5°	238.4	259.9	279.0	294.2	304.2	309.8	311.9
135°	226.4	245.9	263.2	276.6	286.6	292.1	293.9
137.5°	215.7	231.9	246.6	258.6	267.7	272.8	274.7
140°	209.3	223.3	236.1	247.4	255.3	259.8	261.4
142.5°	204.0	216.0	227.1	236.7	243.4	247.7	249.0
145°	197.2	206.6	214.8	222.1	227.3	230.7	231.9
147.5°	191.5	198.8	205.0	210.8	214.9	216.8	217.4
150°	188.4	194.2	199.6	204.1	207.8	209.1	209.3
152.5°	185.2	190.5	194.8	198.5	201.5	202.7	203.0
155°	180.5	184.7	188.0	191.1	193.2	194.2	194.4
157.5°	175.9	179.3	181.8	184.3	186.0	186.8	186.8
160°	172.5	175.6	177.7	179.9	181.3	181.9	181.7
162.5°	169.6	172.2	174.1	175.7	176.9	177.1	177.0
165°	165.2	167.0	168.6	169.8	170.4	170.4	170.4
167.5°	161.0	162.4	163.5	164.1	164.6	164.4	164.3
170°	158.5	159.5	160.1	160.7	161.0	161.0	160.7
172.5°	156.4	157.0	157.4	157.5	158.1	157.6	157.2
175°	153.1	153.7	153.7	153.7	153.9	153.3	153.1
177.5°	151.6	151.6	151.6	151.4	151.6	150.9	150.9
180°	150.9	150.9	150.9	150.9	150.9	150.9	150.9

(END OF REPORT)