

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: P333189-935

Luminaire Tested: **S125DIP-S610D1035U935-4F0-1E-UDD-A4**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P333189-935
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-S610D1035U935-4F0-1E-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: 5373.8 lumens
Efficiency: N/A
Efficacy: 120.8 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: General Diffuse

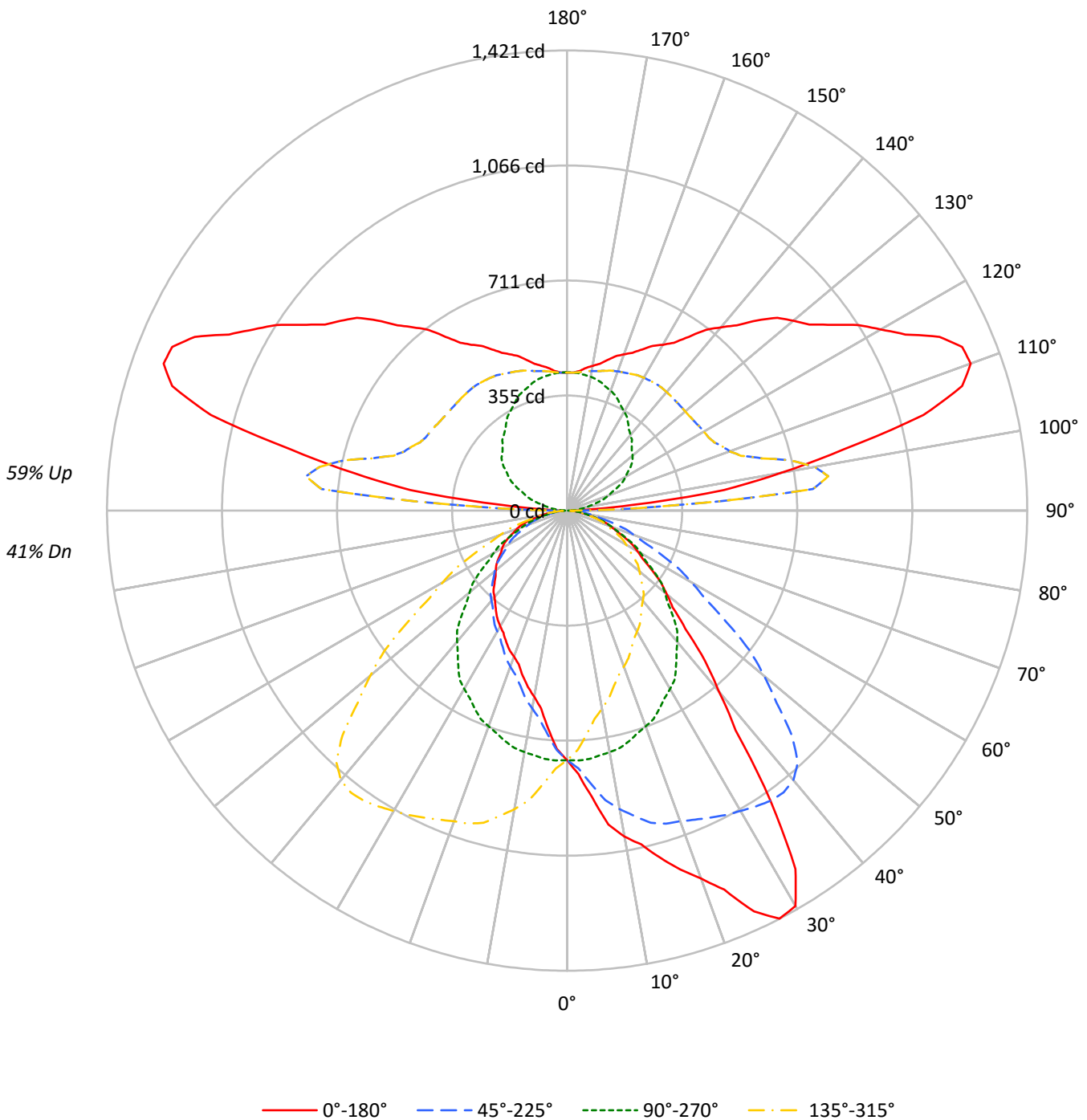
Input Watts (W): 44.5
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	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	1.4
10°-20°	220.9	4.1
20°-30°	358.6	6.7
30°-40°	437.5	8.1
40°-50°	398.0	7.4
50°-60°	317.0	5.9
60°-70°	220.8	4.1
70°-80°	117.7	2.2
80°-90°	32.1	0.6
90°-100°	309.0	5.8
100°-110°	664.3	12.4
110°-120°	623.4	11.6
120°-130°	505.2	9.4
130°-140°	405.5	7.5
140°-150°	306.0	5.7
150°-160°	215.4	4.0
160°-170°	126.9	2.4
170°-180°	41.3	0.8
0°-30°	653.7	12.2
0°-40°	1091.2	20.3
0°-60°	1806.2	33.6
0°-90°	2176.8	40.5
90°-120°	1596.7	29.7
90°-150°	2813.4	52.4
90°-180°	3197.0	59.5
0°-180°	5373.8	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°	20	1	20	1	20	14
95°	202	28	202	28	202	286
105°	1139	97	1139	97	1139	1132
115°	1269	174	1269	174	1269	1240
125°	1000	241	1000	241	1000	904
135°	830	282	830	282	830	643
145°	655	328	655	328	655	416
155°	549	375	549	375	549	256
165°	481	409	481	409	481	138
175°	432	425	432	425	432	42
180°	426	426	426	426	426	



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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°	10.2	10.8	10.8	10.8	11.1	10.8	11.6	11.5	12.1	12.7	13.4
90°	19.8	19.8	18.9	18.9	18.9	17.2	16.4	15.5	14.6	13.8	12.1
92.5°	54.8	56.2	57.4	59.5	70.5	83.2	110.6	152.3	224.3	277.1	281.5
95°	202.0	215.8	222.7	248.4	309.4	381.6	487.3	618.0	745.2	761.6	621.5
97.5°	488.2	499.2	524.1	572.3	625.3	725.7	828.7	920.4	942.9	813.3	554.9
100°	670.5	684.2	716.0	777.8	837.2	926.5	1015.1	1057.2	991.0	776.1	495.1
102.5°	873.9	884.2	918.9	962.9	1026.2	1086.8	1129.2	1103.3	962.2	710.8	449.7
105°	1138.8	1149.2	1166.4	1194.7	1222.2	1231.7	1193.9	1076.1	869.9	623.1	405.7
107.5°	1279.4	1286.3	1292.0	1292.2	1278.2	1233.4	1136.3	979.1	775.6	562.8	387.1
110°	1326.2	1326.2	1320.2	1303.9	1265.2	1192.1	1070.9	907.7	721.9	534.6	381.6



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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	1320.7	1314.6	1299.6	1271.5	1215.0	1128.9	1006.3	851.3	682.1	518.1	381.6
115°	1268.7	1257.5	1233.4	1192.1	1125.1	1031.4	913.7	780.4	638.6	500.2	384.2
117.5°	1177.3	1170.4	1146.6	1104.0	1036.9	951.0	849.5	734.7	612.7	491.5	389.9
120°	1118.3	1111.4	1088.1	1046.9	983.3	907.7	813.1	710.0	598.2	487.3	395.4
122.5°	1066.0	1059.8	1036.6	998.8	942.0	871.2	787.0	691.4	585.8	483.9	400.2
125°	999.6	991.0	972.1	936.9	888.7	826.8	752.1	664.4	569.0	479.6	408.3
127.5°	942.9	939.1	921.2	890.1	846.4	788.5	718.8	636.9	553.5	477.5	417.4
130°	912.0	906.8	889.6	861.3	818.3	762.4	695.3	619.7	543.2	476.1	422.9
132.5°	881.0	875.1	859.4	831.0	788.0	734.2	673.3	602.5	534.9	476.1	429.0
135°	830.3	825.1	809.7	781.3	743.5	694.5	639.5	580.1	525.1	476.1	437.5
137.5°	776.1	770.5	756.2	730.4	696.5	655.0	609.2	561.3	516.4	477.2	445.2
140°	738.3	734.0	721.2	698.8	667.0	630.9	591.3	551.0	512.3	477.9	448.7
142.5°	703.3	699.6	687.4	668.6	641.5	610.3	576.2	542.0	508.9	478.5	450.7
145°	655.0	651.5	642.0	627.4	606.8	583.6	557.0	530.3	503.7	477.9	453.0
147.5°	614.1	612.5	607.0	595.3	578.9	561.5	541.0	519.4	498.3	475.6	453.8
150°	591.3	590.5	587.0	576.7	563.9	548.4	532.0	513.2	494.2	473.6	453.8
152.5°	573.4	572.6	569.2	560.9	550.1	538.0	523.1	506.3	489.4	470.9	453.1
155°	549.2	548.4	545.8	539.8	531.2	521.8	509.7	495.9	481.3	465.9	451.3
157.5°	527.5	527.7	525.3	520.4	513.7	506.3	497.0	485.6	473.7	460.7	449.0
160°	513.2	514.0	512.3	508.0	502.0	495.9	487.3	478.7	467.6	457.3	446.9
162.5°	500.1	500.2	499.9	496.3	491.6	486.3	479.1	471.2	462.1	453.1	444.9
165°	481.3	481.3	481.3	479.6	476.1	471.9	466.7	460.7	453.8	446.9	441.8
167.5°	464.2	464.3	465.0	463.5	461.8	458.7	454.7	450.7	445.7	440.9	437.0
170°	453.8	454.7	454.7	453.8	452.1	450.4	447.8	445.2	440.9	437.5	434.9
172.5°	444.2	445.1	446.4	444.9	444.5	443.5	441.6	439.0	436.1	433.3	432.1
175°	432.3	433.2	434.9	434.0	434.0	434.0	432.3	432.3	429.7	428.9	428.9
177.5°	426.3	426.3	428.3	427.7	428.3	428.3	428.3	427.7	427.0	426.3	426.3
180°	426.3	426.3	426.3	426.3	426.3	426.3	426.3	426.3	426.3	426.3	426.3



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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°	13.8	12.9	11.6	10.5	8.9	7.7	7.1	7.2	6.6	6.7	7.3
90°	11.2	9.5	8.6	6.9	5.2	3.4	1.7	0.9	1.7	3.4	5.2
92.5°	196.1	117.4	70.5	45.4	30.6	20.0	12.7	10.5	12.7	20.0	30.6
95°	384.2	195.1	103.1	64.5	45.5	36.1	29.2	28.3	29.2	36.1	45.5
97.5°	306.7	168.2	107.3	79.4	62.4	53.0	48.1	47.1	48.1	53.0	62.4
100°	278.4	166.8	116.9	91.1	74.7	65.3	61.9	60.2	61.9	65.3	74.7
102.5°	266.8	173.0	128.5	103.5	88.5	78.4	75.6	74.6	75.6	78.4	88.5
105°	262.2	185.6	147.8	123.8	110.0	101.4	97.1	97.1	97.1	101.4	110.0
107.5°	270.1	204.6	168.0	146.3	132.0	124.9	120.9	119.2	120.9	124.9	132.0
110°	277.6	218.3	183.0	160.7	147.8	140.1	136.6	134.9	136.6	140.1	147.8



TEST NUMBER: P333189-935

CATALOG NUMBER: S125DIP-S610D1035U935-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	287.2	231.4	197.5	175.8	163.0	155.2	152.5	150.8	152.5	155.2	163.0
115°	301.7	251.8	220.1	198.5	185.6	177.9	175.3	173.7	175.3	177.9	185.6
117.5°	318.2	272.9	242.7	222.0	207.3	199.6	196.8	194.2	196.8	199.6	207.3
120°	329.2	287.9	257.9	236.3	221.8	214.0	210.6	208.0	210.6	214.0	221.8
122.5°	341.6	302.4	272.3	250.8	234.8	227.0	224.3	222.5	224.3	227.0	234.8
125°	358.4	321.5	293.1	270.8	254.4	246.7	242.4	240.6	242.4	246.7	254.4
127.5°	373.8	339.8	312.5	290.2	272.9	263.0	257.5	254.9	257.5	263.0	272.9
130°	384.2	351.5	324.9	302.6	284.5	273.4	266.5	263.9	266.5	273.4	284.5
132.5°	393.1	362.6	335.9	313.6	294.8	282.2	274.0	270.8	274.0	282.2	294.8
135°	405.7	377.3	350.7	327.4	309.4	295.7	285.3	281.9	285.3	295.7	309.4
137.5°	415.0	387.8	363.6	339.7	322.0	308.2	298.6	296.0	298.6	308.2	322.0
140°	421.2	395.4	370.5	347.2	330.9	317.2	306.9	304.3	306.9	317.2	330.9
142.5°	424.6	400.2	376.6	354.8	339.1	325.4	315.8	313.9	315.8	325.4	339.1
145°	429.7	408.3	385.9	366.2	350.7	338.6	330.0	328.3	330.0	338.6	350.7
147.5°	432.8	413.5	393.8	376.4	363.1	351.9	344.5	343.5	344.5	351.9	363.1
150°	434.9	416.9	398.0	383.3	371.3	360.2	354.1	352.4	354.1	360.2	371.3
152.5°	436.3	420.3	402.8	389.5	378.2	368.4	363.1	362.1	363.1	368.4	378.2
155°	437.5	423.7	409.1	397.1	388.5	379.9	374.7	374.7	374.7	379.9	388.5
157.5°	438.3	426.6	414.1	405.0	397.4	390.0	385.9	386.1	385.9	390.0	397.4
160°	438.3	428.0	416.9	409.1	402.3	396.2	392.8	393.6	392.8	396.2	402.3
162.5°	437.6	429.4	419.7	413.3	407.8	402.4	399.0	399.8	399.0	402.4	407.8
165°	436.6	429.7	422.9	417.8	414.3	410.0	407.4	409.1	407.4	410.0	414.3
167.5°	434.5	429.7	424.0	420.9	418.4	416.0	414.5	415.3	414.5	416.0	418.4
170°	433.2	429.7	425.4	422.9	421.2	419.5	418.6	419.5	418.6	419.5	421.2
172.5°	431.8	429.0	425.4	424.2	423.2	421.5	420.7	422.2	420.7	421.5	423.2
175°	429.7	428.0	425.4	425.4	425.4	424.6	423.7	425.4	423.7	424.6	425.4
177.5°	427.7	427.0	425.6	425.6	426.3	425.6	425.6	427.0	425.6	425.6	426.3
180°	426.3	426.3	426.3	426.3	426.3	426.3	426.3	426.3	426.3	426.3	426.3



TEST NUMBER: P333189-935

CATALOG NUMBER: S125DIP-S610D1035U935-4F0-1E-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°	7.9	8.8	8.7	9.3	9.5	10.3	10.2	11.5	12.1	12.8	12.9
90°	6.9	8.6	9.5	11.2	12.1	13.8	14.6	15.5	16.4	17.2	18.9
92.5°	45.4	70.5	117.4	196.1	281.5	277.1	224.3	152.3	110.6	83.2	70.5
95°	64.5	103.1	195.1	384.2	621.5	761.6	745.2	618.0	487.3	381.6	309.4
97.5°	79.4	107.3	168.2	306.7	554.9	813.3	942.9	920.4	828.7	725.7	625.3
100°	91.1	116.9	166.8	278.4	495.1	776.1	991.0	1057.2	1015.1	926.5	837.2
102.5°	103.5	128.5	173.0	266.8	449.7	710.8	962.2	1103.3	1129.2	1086.8	1026.2
105°	123.8	147.8	185.6	262.2	405.7	623.1	869.9	1076.1	1193.9	1231.7	1222.2
107.5°	146.3	168.0	204.6	270.1	387.1	562.8	775.6	979.1	1136.3	1233.4	1278.2
110°	160.7	183.0	218.3	277.6	381.6	534.6	721.9	907.7	1070.9	1192.1	1265.2



TEST NUMBER: P333189-935

CATALOG NUMBER: S125DIP-S610D1035U935-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	175.8	197.5	231.4	287.2	381.6	518.1	682.1	851.3	1006.3	1128.9	1215.0
115°	198.5	220.1	251.8	301.7	384.2	500.2	638.6	780.4	913.7	1031.4	1125.1
117.5°	222.0	242.7	272.9	318.2	389.9	491.5	612.7	734.7	849.5	951.0	1036.9
120°	236.3	257.9	287.9	329.2	395.4	487.3	598.2	710.0	813.1	907.7	983.3
122.5°	250.8	272.3	302.4	341.6	400.2	483.9	585.8	691.4	787.0	871.2	942.0
125°	270.8	293.1	321.5	358.4	408.3	479.6	569.0	664.4	752.1	826.8	888.7
127.5°	290.2	312.5	339.8	373.8	417.4	477.5	553.5	636.9	718.8	788.5	846.4
130°	302.6	324.9	351.5	384.2	422.9	476.1	543.2	619.7	695.3	762.4	818.3
132.5°	313.6	335.9	362.6	393.1	429.0	476.1	534.9	602.5	673.3	734.2	788.0
135°	327.4	350.7	377.3	405.7	437.5	476.1	525.1	580.1	639.5	694.5	743.5
137.5°	339.7	363.6	387.8	415.0	445.2	477.2	516.4	561.3	609.2	655.0	696.5
140°	347.2	370.5	395.4	421.2	448.7	477.9	512.3	551.0	591.3	630.9	667.0
142.5°	354.8	376.6	400.2	424.6	450.7	478.5	508.9	542.0	576.2	610.3	641.5
145°	366.2	385.9	408.3	429.7	453.0	477.9	503.7	530.3	557.0	583.6	606.8
147.5°	376.4	393.8	413.5	432.8	453.8	475.6	498.3	519.4	541.0	561.5	578.9
150°	383.3	398.0	416.9	434.9	453.8	473.6	494.2	513.2	532.0	548.4	563.9
152.5°	389.5	402.8	420.3	436.3	453.1	470.9	489.4	506.3	523.1	538.0	550.1
155°	397.1	409.1	423.7	437.5	451.3	465.9	481.3	495.9	509.7	521.8	531.2
157.5°	405.0	414.1	426.6	438.3	449.0	460.7	473.7	485.6	497.0	506.3	513.7
160°	409.1	416.9	428.0	438.3	446.9	457.3	467.6	478.7	487.3	495.9	502.0
162.5°	413.3	419.7	429.4	437.6	444.9	453.1	462.1	471.2	479.1	486.3	491.6
165°	417.8	422.9	429.7	436.6	441.8	446.9	453.8	460.7	466.7	471.9	476.1
167.5°	420.9	424.0	429.7	434.5	437.0	440.9	445.7	450.7	454.7	458.7	461.8
170°	422.9	425.4	429.7	433.2	434.9	437.5	440.9	445.2	447.8	450.4	452.1
172.5°	424.2	425.4	429.0	431.8	432.1	433.3	436.1	439.0	441.6	443.5	444.5
175°	425.4	425.4	428.0	429.7	428.9	428.9	429.7	432.3	432.3	434.0	434.0
177.5°	425.6	425.6	427.0	427.7	426.3	426.3	427.0	427.7	428.3	428.3	428.3
180°	426.3	426.3	426.3	426.3	426.3	426.3	426.3	426.3	426.3	426.3	426.3



TEST NUMBER: P333189-935

CATALOG NUMBER: S125DIP-S610D1035U935-4F0-1E-UDD-A4

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°	13.4	13.2	13.3	13.9	13.3	13.2	13.4	12.9	12.8	12.1	11.5
90°	18.9	18.9	19.8	19.8	19.8	18.9	18.9	18.9	17.2	16.4	15.5
92.5°	59.5	57.4	56.2	54.8	56.2	57.4	59.5	70.5	83.2	110.6	152.3
95°	248.4	222.7	215.8	202.0	215.8	222.7	248.4	309.4	381.6	487.3	618.0
97.5°	572.3	524.1	499.2	488.2	499.2	524.1	572.3	625.3	725.7	828.7	920.4
100°	777.8	716.0	684.2	670.5	684.2	716.0	777.8	837.2	926.5	1015.1	1057.2
102.5°	962.9	918.9	884.2	873.9	884.2	918.9	962.9	1026.2	1086.8	1129.2	1103.3
105°	1194.7	1166.4	1149.2	1138.8	1149.2	1166.4	1194.7	1222.2	1231.7	1193.9	1076.1
107.5°	1292.2	1292.0	1286.3	1279.4	1286.3	1292.0	1292.2	1278.2	1233.4	1136.3	979.1
110°	1303.9	1320.2	1326.2	1326.2	1326.2	1320.2	1303.9	1265.2	1192.1	1070.9	907.7



TEST NUMBER: P333189-935

CATALOG NUMBER: S125DIP-S610D1035U935-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	1271.5	1299.6	1314.6	1320.7	1314.6	1299.6	1271.5	1215.0	1128.9	1006.3	851.3
115°	1192.1	1233.4	1257.5	1268.7	1257.5	1233.4	1192.1	1125.1	1031.4	913.7	780.4
117.5°	1104.0	1146.6	1170.4	1177.3	1170.4	1146.6	1104.0	1036.9	951.0	849.5	734.7
120°	1046.9	1088.1	1111.4	1118.3	1111.4	1088.1	1046.9	983.3	907.7	813.1	710.0
122.5°	998.8	1036.6	1059.8	1066.0	1059.8	1036.6	998.8	942.0	871.2	787.0	691.4
125°	936.9	972.1	991.0	999.6	991.0	972.1	936.9	888.7	826.8	752.1	664.4
127.5°	890.1	921.2	939.1	942.9	939.1	921.2	890.1	846.4	788.5	718.8	636.9
130°	861.3	889.6	906.8	912.0	906.8	889.6	861.3	818.3	762.4	695.3	619.7
132.5°	831.0	859.4	875.1	881.0	875.1	859.4	831.0	788.0	734.2	673.3	602.5
135°	781.3	809.7	825.1	830.3	825.1	809.7	781.3	743.5	694.5	639.5	580.1
137.5°	730.4	756.2	770.5	776.1	770.5	756.2	730.4	696.5	655.0	609.2	561.3
140°	698.8	721.2	734.0	738.3	734.0	721.2	698.8	667.0	630.9	591.3	551.0
142.5°	668.6	687.4	699.6	703.3	699.6	687.4	668.6	641.5	610.3	576.2	542.0
145°	627.4	642.0	651.5	655.0	651.5	642.0	627.4	606.8	583.6	557.0	530.3
147.5°	595.3	607.0	612.5	614.1	612.5	607.0	595.3	578.9	561.5	541.0	519.4
150°	576.7	587.0	590.5	591.3	590.5	587.0	576.7	563.9	548.4	532.0	513.2
152.5°	560.9	569.2	572.6	573.4	572.6	569.2	560.9	550.1	538.0	523.1	506.3
155°	539.8	545.8	548.4	549.2	548.4	545.8	539.8	531.2	521.8	509.7	495.9
157.5°	520.4	525.3	527.7	527.5	527.7	525.3	520.4	513.7	506.3	497.0	485.6
160°	508.0	512.3	514.0	513.2	514.0	512.3	508.0	502.0	495.9	487.3	478.7
162.5°	496.3	499.9	500.2	500.1	500.2	499.9	496.3	491.6	486.3	479.1	471.2
165°	479.6	481.3	481.3	481.3	481.3	481.3	479.6	476.1	471.9	466.7	460.7
167.5°	463.5	465.0	464.3	464.2	464.3	465.0	463.5	461.8	458.7	454.7	450.7
170°	453.8	454.7	454.7	453.8	454.7	454.7	453.8	452.1	450.4	447.8	445.2
172.5°	444.9	446.4	445.1	444.2	445.1	446.4	444.9	444.5	443.5	441.6	439.0
175°	434.0	434.9	433.2	432.3	433.2	434.9	434.0	434.0	434.0	432.3	432.3
177.5°	427.7	428.3	426.3	426.3	426.3	428.3	427.7	428.3	428.3	428.3	427.7
180°	426.3	426.3	426.3	426.3	426.3	426.3	426.3	426.3	426.3	426.3	426.3



TEST NUMBER: P333189-935

CATALOG NUMBER: S125DIP-S610D1035U935-4F0-1E-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°	10.2	10.3	9.5	9.3	8.7	8.8	7.9	7.3	6.7	6.6	7.2
90°	14.6	13.8	12.1	11.2	9.5	8.6	6.9	5.2	3.4	1.7	0.9
92.5°	224.3	277.1	281.5	196.1	117.4	70.5	45.4	30.6	20.0	12.7	10.5
95°	745.2	761.6	621.5	384.2	195.1	103.1	64.5	45.5	36.1	29.2	28.3
97.5°	942.9	813.3	554.9	306.7	168.2	107.3	79.4	62.4	53.0	48.1	47.1
100°	991.0	776.1	495.1	278.4	166.8	116.9	91.1	74.7	65.3	61.9	60.2
102.5°	962.2	710.8	449.7	266.8	173.0	128.5	103.5	88.5	78.4	75.6	74.6
105°	869.9	623.1	405.7	262.2	185.6	147.8	123.8	110.0	101.4	97.1	97.1
107.5°	775.6	562.8	387.1	270.1	204.6	168.0	146.3	132.0	124.9	120.9	119.2
110°	721.9	534.6	381.6	277.6	218.3	183.0	160.7	147.8	140.1	136.6	134.9



TEST NUMBER: P333189-935

CATALOG NUMBER: S125DIP-S610D1035U935-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	682.1	518.1	381.6	287.2	231.4	197.5	175.8	163.0	155.2	152.5	150.8
115°	638.6	500.2	384.2	301.7	251.8	220.1	198.5	185.6	177.9	175.3	173.7
117.5°	612.7	491.5	389.9	318.2	272.9	242.7	222.0	207.3	199.6	196.8	194.2
120°	598.2	487.3	395.4	329.2	287.9	257.9	236.3	221.8	214.0	210.6	208.0
122.5°	585.8	483.9	400.2	341.6	302.4	272.3	250.8	234.8	227.0	224.3	222.5
125°	569.0	479.6	408.3	358.4	321.5	293.1	270.8	254.4	246.7	242.4	240.6
127.5°	553.5	477.5	417.4	373.8	339.8	312.5	290.2	272.9	263.0	257.5	254.9
130°	543.2	476.1	422.9	384.2	351.5	324.9	302.6	284.5	273.4	266.5	263.9
132.5°	534.9	476.1	429.0	393.1	362.6	335.9	313.6	294.8	282.2	274.0	270.8
135°	525.1	476.1	437.5	405.7	377.3	350.7	327.4	309.4	295.7	285.3	281.9
137.5°	516.4	477.2	445.2	415.0	387.8	363.6	339.7	322.0	308.2	298.6	296.0
140°	512.3	477.9	448.7	421.2	395.4	370.5	347.2	330.9	317.2	306.9	304.3
142.5°	508.9	478.5	450.7	424.6	400.2	376.6	354.8	339.1	325.4	315.8	313.9
145°	503.7	477.9	453.0	429.7	408.3	385.9	366.2	350.7	338.6	330.0	328.3
147.5°	498.3	475.6	453.8	432.8	413.5	393.8	376.4	363.1	351.9	344.5	343.5
150°	494.2	473.6	453.8	434.9	416.9	398.0	383.3	371.3	360.2	354.1	352.4
152.5°	489.4	470.9	453.1	436.3	420.3	402.8	389.5	378.2	368.4	363.1	362.1
155°	481.3	465.9	451.3	437.5	423.7	409.1	397.1	388.5	379.9	374.7	374.7
157.5°	473.7	460.7	449.0	438.3	426.6	414.1	405.0	397.4	390.0	385.9	386.1
160°	467.6	457.3	446.9	438.3	428.0	416.9	409.1	402.3	396.2	392.8	393.6
162.5°	462.1	453.1	444.9	437.6	429.4	419.7	413.3	407.8	402.4	399.0	399.8
165°	453.8	446.9	441.8	436.6	429.7	422.9	417.8	414.3	410.0	407.4	409.1
167.5°	445.7	440.9	437.0	434.5	429.7	424.0	420.9	418.4	416.0	414.5	415.3
170°	440.9	437.5	434.9	433.2	429.7	425.4	422.9	421.2	419.5	418.6	419.5
172.5°	436.1	433.3	432.1	431.8	429.0	425.4	424.2	423.2	421.5	420.7	422.2
175°	429.7	428.9	428.9	429.7	428.0	425.4	425.4	425.4	424.6	423.7	425.4
177.5°	427.0	426.3	426.3	427.7	427.0	425.6	425.6	426.3	425.6	425.6	427.0
180°	426.3	426.3	426.3	426.3	426.3	426.3	426.3	426.3	426.3	426.3	426.3



TEST NUMBER: P333189-935

CATALOG NUMBER: S125DIP-S610D1035U935-4F0-1E-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°	7.1	7.7	8.9	10.5	11.6	12.9	13.8	13.4	12.7	12.1	11.5
90°	1.7	3.4	5.2	6.9	8.6	9.5	11.2	12.1	13.8	14.6	15.5
92.5°	12.7	20.0	30.6	45.4	70.5	117.4	196.1	281.5	277.1	224.3	152.3
95°	29.2	36.1	45.5	64.5	103.1	195.1	384.2	621.5	761.6	745.2	618.0
97.5°	48.1	53.0	62.4	79.4	107.3	168.2	306.7	554.9	813.3	942.9	920.4
100°	61.9	65.3	74.7	91.1	116.9	166.8	278.4	495.1	776.1	991.0	1057.2
102.5°	75.6	78.4	88.5	103.5	128.5	173.0	266.8	449.7	710.8	962.2	1103.3
105°	97.1	101.4	110.0	123.8	147.8	185.6	262.2	405.7	623.1	869.9	1076.1
107.5°	120.9	124.9	132.0	146.3	168.0	204.6	270.1	387.1	562.8	775.6	979.1
110°	136.6	140.1	147.8	160.7	183.0	218.3	277.6	381.6	534.6	721.9	907.7



TEST NUMBER: P333189-935

CATALOG NUMBER: S125DIP-S610D1035U935-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	152.5	155.2	163.0	175.8	197.5	231.4	287.2	381.6	518.1	682.1	851.3
115°	175.3	177.9	185.6	198.5	220.1	251.8	301.7	384.2	500.2	638.6	780.4
117.5°	196.8	199.6	207.3	222.0	242.7	272.9	318.2	389.9	491.5	612.7	734.7
120°	210.6	214.0	221.8	236.3	257.9	287.9	329.2	395.4	487.3	598.2	710.0
122.5°	224.3	227.0	234.8	250.8	272.3	302.4	341.6	400.2	483.9	585.8	691.4
125°	242.4	246.7	254.4	270.8	293.1	321.5	358.4	408.3	479.6	569.0	664.4
127.5°	257.5	263.0	272.9	290.2	312.5	339.8	373.8	417.4	477.5	553.5	636.9
130°	266.5	273.4	284.5	302.6	324.9	351.5	384.2	422.9	476.1	543.2	619.7
132.5°	274.0	282.2	294.8	313.6	335.9	362.6	393.1	429.0	476.1	534.9	602.5
135°	285.3	295.7	309.4	327.4	350.7	377.3	405.7	437.5	476.1	525.1	580.1
137.5°	298.6	308.2	322.0	339.7	363.6	387.8	415.0	445.2	477.2	516.4	561.3
140°	306.9	317.2	330.9	347.2	370.5	395.4	421.2	448.7	477.9	512.3	551.0
142.5°	315.8	325.4	339.1	354.8	376.6	400.2	424.6	450.7	478.5	508.9	542.0
145°	330.0	338.6	350.7	366.2	385.9	408.3	429.7	453.0	477.9	503.7	530.3
147.5°	344.5	351.9	363.1	376.4	393.8	413.5	432.8	453.8	475.6	498.3	519.4
150°	354.1	360.2	371.3	383.3	398.0	416.9	434.9	453.8	473.6	494.2	513.2
152.5°	363.1	368.4	378.2	389.5	402.8	420.3	436.3	453.1	470.9	489.4	506.3
155°	374.7	379.9	388.5	397.1	409.1	423.7	437.5	451.3	465.9	481.3	495.9
157.5°	385.9	390.0	397.4	405.0	414.1	426.6	438.3	449.0	460.7	473.7	485.6
160°	392.8	396.2	402.3	409.1	416.9	428.0	438.3	446.9	457.3	467.6	478.7
162.5°	399.0	402.4	407.8	413.3	419.7	429.4	437.6	444.9	453.1	462.1	471.2
165°	407.4	410.0	414.3	417.8	422.9	429.7	436.6	441.8	446.9	453.8	460.7
167.5°	414.5	416.0	418.4	420.9	424.0	429.7	434.5	437.0	440.9	445.7	450.7
170°	418.6	419.5	421.2	422.9	425.4	429.7	433.2	434.9	437.5	440.9	445.2
172.5°	420.7	421.5	423.2	424.2	425.4	429.0	431.8	432.1	433.3	436.1	439.0
175°	423.7	424.6	425.4	425.4	425.4	428.0	429.7	428.9	428.9	429.7	432.3
177.5°	425.6	425.6	426.3	425.6	425.6	427.0	427.7	426.3	426.3	427.0	427.7
180°	426.3	426.3	426.3	426.3	426.3	426.3	426.3	426.3	426.3	426.3	426.3



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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°	11.6	10.8	11.1	10.8	10.8	10.8	10.2
90°	16.4	17.2	18.9	18.9	18.9	19.8	19.8
92.5°	110.6	83.2	70.5	59.5	57.4	56.2	54.8
95°	487.3	381.6	309.4	248.4	222.7	215.8	202.0
97.5°	828.7	725.7	625.3	572.3	524.1	499.2	488.2
100°	1015.1	926.5	837.2	777.8	716.0	684.2	670.5
102.5°	1129.2	1086.8	1026.2	962.9	918.9	884.2	873.9
105°	1193.9	1231.7	1222.2	1194.7	1166.4	1149.2	1138.8
107.5°	1136.3	1233.4	1278.2	1292.2	1292.0	1286.3	1279.4
110°	1070.9	1192.1	1265.2	1303.9	1320.2	1326.2	1326.2



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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
112.5°	1006.3	1128.9	1215.0	1271.5	1299.6	1314.6	1320.7
115°	913.7	1031.4	1125.1	1192.1	1233.4	1257.5	1268.7
117.5°	849.5	951.0	1036.9	1104.0	1146.6	1170.4	1177.3
120°	813.1	907.7	983.3	1046.9	1088.1	1111.4	1118.3
122.5°	787.0	871.2	942.0	998.8	1036.6	1059.8	1066.0
125°	752.1	826.8	888.7	936.9	972.1	991.0	999.6
127.5°	718.8	788.5	846.4	890.1	921.2	939.1	942.9
130°	695.3	762.4	818.3	861.3	889.6	906.8	912.0
132.5°	673.3	734.2	788.0	831.0	859.4	875.1	881.0
135°	639.5	694.5	743.5	781.3	809.7	825.1	830.3
137.5°	609.2	655.0	696.5	730.4	756.2	770.5	776.1
140°	591.3	630.9	667.0	698.8	721.2	734.0	738.3
142.5°	576.2	610.3	641.5	668.6	687.4	699.6	703.3
145°	557.0	583.6	606.8	627.4	642.0	651.5	655.0
147.5°	541.0	561.5	578.9	595.3	607.0	612.5	614.1
150°	532.0	548.4	563.9	576.7	587.0	590.5	591.3
152.5°	523.1	538.0	550.1	560.9	569.2	572.6	573.4
155°	509.7	521.8	531.2	539.8	545.8	548.4	549.2
157.5°	497.0	506.3	513.7	520.4	525.3	527.7	527.5
160°	487.3	495.9	502.0	508.0	512.3	514.0	513.2
162.5°	479.1	486.3	491.6	496.3	499.9	500.2	500.1
165°	466.7	471.9	476.1	479.6	481.3	481.3	481.3
167.5°	454.7	458.7	461.8	463.5	465.0	464.3	464.2
170°	447.8	450.4	452.1	453.8	454.7	454.7	453.8
172.5°	441.6	443.5	444.5	444.9	446.4	445.1	444.2
175°	432.3	434.0	434.0	434.0	434.9	433.2	432.3
177.5°	428.3	428.3	428.3	427.7	428.3	426.3	426.3
180°	426.3	426.3	426.3	426.3	426.3	426.3	426.3

(END OF REPORT)