

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: P333189-930

Luminaire Tested: **S125DIP-S610D1035U930-4F0-1E-UDD-A4**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P333189-930
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-S610D1035U930-4F0-1E-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: 5088.6 lumens
Efficiency: N/A
Efficacy: 114.4 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

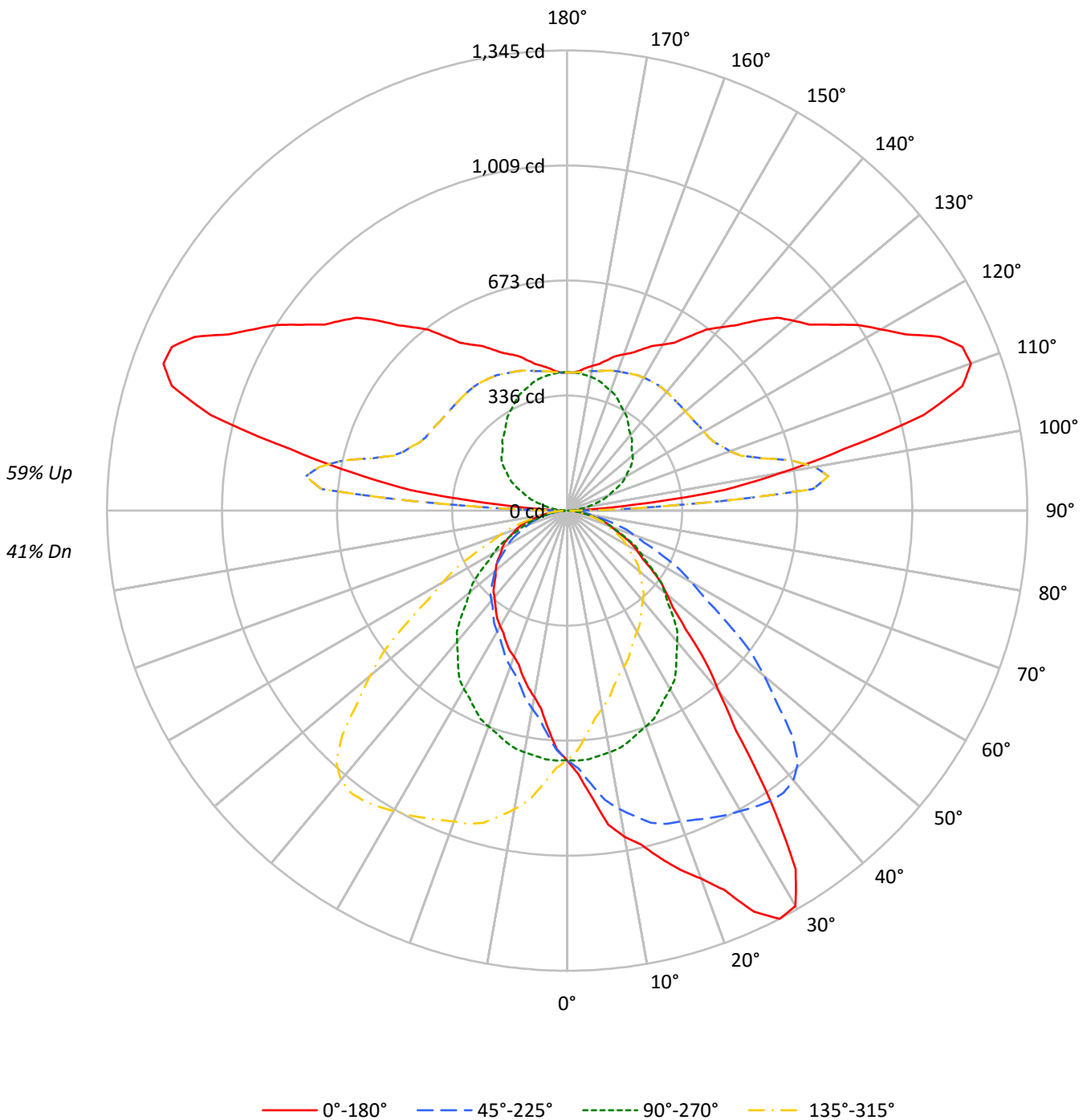
Input Watts (W): 44.5
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P333189-930

CATALOG NUMBER: S125DIP-S610D1035U930-4F0-1E-UDD-A4

Luminous Intensity Polar Plot





TEST NUMBER: P333189-930

CATALOG NUMBER: S125DIP-S610D1035U930-4F0-1E-UDD-A4

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°	4713	4713	4713	4713
5°	5457	4729	4140	4729
10°	6349	4704	3628	4704
15°	7029	4670	3346	4670
20°	7867	4615	3120	4615
25°	9217	4554	3011	4554
30°	9955	4492	2915	4492
35°	8185	4378	2852	4378
40°	5818	4220	2783	4220
45°	4469	4005	2744	4005
50°	3815	3741	2739	3741
55°	3397	3480	2762	3480
60°	3065	3196	2833	3196
65°	2830	2911	2905	2911
70°	2572	2613	2948	2613
75°	2273	2303	2922	2303
80°	1912	1878	2670	1878
85°	1519	1356	2156	1356



TEST NUMBER: P333189-930

CATALOG NUMBER: S125DIP-S610D1035U930-4F0-1E-UDD-A4

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	70.2	1.4
10°-20°	209.2	4.1
20°-30°	339.6	6.7
30°-40°	414.3	8.1
40°-50°	376.9	7.4
50°-60°	300.2	5.9
60°-70°	209.1	4.1
70°-80°	111.5	2.2
80°-90°	30.4	0.6
90°-100°	292.6	5.8
100°-110°	629.0	12.4
110°-120°	590.3	11.6
120°-130°	478.4	9.4
130°-140°	383.9	7.5
140°-150°	289.7	5.7
150°-160°	203.9	4.0
160°-170°	120.2	2.4
170°-180°	39.1	0.8
0°-30°	619.0	12.2
0°-40°	1033.3	20.3
0°-60°	1710.3	33.6
0°-90°	2061.3	40.5
90°-120°	1512.0	29.7
90°-150°	2664.1	52.4
90°-180°	3027.0	59.5
0°-180°	5088.6	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	730	730	730	730	730	
5°	842	729	639	729	842	85
15°	1051	698	500	698	1051	301
25°	1293	639	422	639	1293	591
35°	1038	555	362	555	1038	635
45°	489	438	300	438	489	392
55°	302	309	245	309	302	272
65°	185	190	190	190	185	184
75°	91	92	117	92	91	98
85°	20	18	29	18	20	24
90°	19	1	19	1	19	14
95°	191	27	191	27	191	271
105°	1078	92	1078	92	1078	1072
115°	1201	164	1201	164	1201	1174
125°	947	228	947	228	947	856
135°	786	267	786	267	786	609
145°	620	311	620	311	620	394
155°	520	355	520	355	520	242
165°	456	387	456	387	456	130
175°	409	403	409	403	409	40
180°	404	404	404	404	404	



TEST NUMBER: P333189-930

CATALOG NUMBER: S125DIP-S610D1035U930-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	729.7	729.7	729.7	729.7	729.7	729.7	729.7	729.7	729.7	729.7	729.7
2.5°	771.8	770.8	769.8	767.8	769.3	765.1	763.1	759.7	755.5	754.0	752.2
5°	841.8	843.3	844.9	838.4	839.0	834.7	824.8	816.7	810.2	801.8	796.0
7.5°	926.0	922.3	922.1	917.9	910.6	904.8	894.4	881.1	868.3	853.7	841.6
10°	968.2	968.5	965.7	960.7	953.0	947.4	933.8	920.8	905.0	886.4	873.1
12.5°	999.9	1001.2	997.7	991.0	987.2	974.7	964.0	948.5	929.8	914.9	894.6
15°	1051.2	1047.7	1045.3	1036.9	1030.4	1017.4	1000.4	984.2	963.8	944.9	926.0
17.5°	1100.6	1103.3	1098.7	1091.0	1070.9	1055.6	1032.8	1010.8	985.3	960.0	937.4
20°	1144.7	1147.2	1140.0	1126.7	1102.6	1087.4	1057.4	1028.8	999.5	966.9	942.2
22.5°	1199.7	1197.8	1188.1	1167.8	1147.0	1118.8	1086.4	1051.7	1014.8	978.0	945.1
25°	1293.4	1280.3	1274.5	1249.4	1221.8	1180.6	1136.0	1085.2	1039.4	990.8	948.7
27.5°	1345.2	1341.2	1334.6	1317.1	1288.2	1244.1	1191.6	1129.7	1064.9	1003.6	948.4
30°	1334.9	1335.5	1336.1	1330.5	1312.0	1278.8	1226.5	1159.8	1083.0	1014.0	950.2
32.5°	1242.7	1253.9	1264.8	1277.5	1282.7	1276.4	1243.6	1183.4	1104.4	1025.9	949.2
35°	1038.1	1041.5	1076.6	1111.3	1158.3	1194.9	1219.4	1192.7	1126.1	1036.0	948.0
37.5°	809.4	826.2	850.4	889.7	957.6	1018.4	1096.7	1132.6	1111.1	1039.3	945.8
40°	690.1	705.6	721.3	761.2	818.6	892.3	981.1	1057.0	1074.7	1028.8	938.4
42.5°	597.9	610.2	627.7	657.7	705.6	770.9	855.8	955.0	1015.9	998.7	922.8
45°	489.3	497.1	510.7	534.6	569.2	620.4	695.3	803.7	898.1	929.4	885.7
47.5°	418.8	418.8	429.4	445.9	470.9	514.3	569.7	654.7	755.5	830.2	826.7
50°	379.7	378.1	386.5	400.8	420.6	449.4	502.4	570.2	667.2	751.7	775.2
52.5°	346.0	346.2	351.3	361.8	378.5	403.1	442.6	503.8	586.6	673.4	717.7
55°	301.7	300.4	306.3	313.4	325.5	341.6	370.1	416.9	484.0	569.6	627.1
57.5°	261.1	264.4	266.8	271.7	281.8	292.5	316.6	350.9	404.2	477.6	538.5
60°	237.3	240.7	242.5	247.4	255.5	264.8	283.4	311.3	356.2	419.4	479.7
62.5°	215.9	218.6	219.2	223.6	230.2	239.3	253.9	277.3	312.8	368.0	427.2
65°	185.2	185.2	186.5	191.1	194.2	202.3	213.4	230.4	258.9	302.0	352.5
67.5°	155.6	157.1	156.8	158.8	161.7	168.0	175.9	190.0	211.1	242.5	282.9
70°	136.2	137.5	137.2	138.8	141.9	145.9	152.4	165.7	180.8	207.8	242.5
72.5°	119.0	119.4	118.6	120.7	122.5	126.0	133.3	140.4	154.6	177.3	205.9
75°	91.1	91.6	92.3	93.5	95.4	97.3	100.9	108.1	117.4	134.4	152.7
77.5°	68.2	67.1	68.6	68.4	69.5	70.8	74.1	77.9	85.5	96.3	110.5
80°	51.4	51.7	51.7	52.0	53.6	54.5	57.3	60.1	66.0	74.0	83.9
82.5°	37.5	38.3	37.8	38.4	39.7	40.4	41.9	44.2	47.6	54.0	61.1
85°	20.5	18.9	19.5	20.1	20.1	20.5	21.7	22.6	24.5	26.9	29.8
87.5°	9.7	10.2	10.3	10.3	10.5	10.2	11.0	10.8	11.4	12.0	12.7
90°	18.8	18.8	17.9	17.9	17.9	16.3	15.5	14.7	13.9	13.0	11.4
92.5°	51.9	53.2	54.4	56.3	66.8	78.8	104.7	144.2	212.4	262.4	266.6
95°	191.3	204.3	210.8	235.2	293.0	361.3	461.5	585.2	705.6	721.1	588.5
97.5°	462.3	472.7	496.3	541.9	592.2	687.2	784.7	871.6	892.8	770.1	525.5
100°	634.9	647.8	678.0	736.5	792.7	877.3	961.2	1001.1	938.4	734.9	468.8
102.5°	827.5	837.3	870.1	911.7	971.8	1029.1	1069.3	1044.7	911.1	673.1	425.8
105°	1078.4	1088.2	1104.5	1131.3	1157.3	1166.3	1130.5	1019.0	823.7	590.0	384.2
107.5°	1211.5	1218.1	1223.4	1223.6	1210.4	1167.9	1076.0	927.2	734.4	533.0	366.6
110°	1255.8	1255.8	1250.1	1234.7	1198.1	1128.9	1014.1	859.5	683.6	506.2	361.3



TEST NUMBER: P333189-930

CATALOG NUMBER: S125DIP-S610D1035U930-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	1250.6	1244.8	1230.6	1204.0	1150.6	1068.9	952.9	806.1	645.9	490.6	361.3
115°	1201.3	1190.7	1167.9	1128.9	1065.4	976.6	865.2	739.0	604.7	473.7	363.8
117.5°	1114.8	1108.3	1085.7	1045.4	981.9	900.5	804.5	695.7	580.2	465.4	369.2
120°	1058.9	1052.4	1030.4	991.3	931.1	859.5	770.0	672.3	566.5	461.5	374.4
122.5°	1009.4	1003.6	981.5	945.7	892.0	824.9	745.2	654.7	554.7	458.2	379.0
125°	946.6	938.4	920.5	887.1	841.6	782.9	712.2	629.2	538.8	454.1	386.6
127.5°	892.8	889.2	872.3	842.9	801.5	746.7	680.6	603.1	524.2	452.2	395.3
130°	863.6	858.7	842.4	815.5	774.9	721.9	658.4	586.9	514.4	450.9	400.5
132.5°	834.2	828.7	813.8	786.8	746.2	695.2	637.6	570.5	506.5	450.9	406.3
135°	786.2	781.3	766.7	739.8	704.0	657.6	605.5	549.3	497.3	450.9	414.3
137.5°	734.9	729.6	716.1	691.6	659.6	620.2	576.9	531.5	489.0	451.8	421.6
140°	699.1	695.0	682.9	661.7	631.6	597.4	559.9	521.7	485.1	452.5	424.9
142.5°	665.9	662.5	650.9	633.1	607.5	577.9	545.6	513.2	481.8	453.1	426.8
145°	620.2	616.9	608.0	594.1	574.6	552.6	527.4	502.1	477.0	452.5	428.9
147.5°	581.5	580.0	574.8	563.7	548.2	531.7	512.3	491.8	471.9	450.4	429.7
150°	559.9	559.1	555.9	546.1	533.9	519.3	503.8	485.9	468.0	448.4	429.7
152.5°	543.0	542.2	539.0	531.2	520.9	509.5	495.3	479.4	463.4	445.9	429.1
155°	520.1	519.3	516.8	511.1	503.0	494.1	482.7	469.6	455.8	441.2	427.3
157.5°	499.5	499.7	497.4	492.8	486.4	479.4	470.6	459.8	448.6	436.3	425.2
160°	485.9	486.7	485.1	481.0	475.3	469.6	461.5	453.3	442.8	433.0	423.2
162.5°	473.5	473.7	473.4	469.9	465.5	460.5	453.6	446.2	437.6	429.1	421.3
165°	455.8	455.8	455.8	454.1	450.9	446.9	442.0	436.3	429.7	423.2	418.3
167.5°	439.5	439.7	440.3	438.9	437.2	434.3	430.6	426.8	422.1	417.5	413.8
170°	429.7	430.6	430.6	429.7	428.1	426.5	424.0	421.6	417.5	414.3	411.8
172.5°	420.6	421.4	422.7	421.3	420.9	420.0	418.2	415.7	412.9	410.3	409.2
175°	409.4	410.2	411.8	411.0	411.0	411.0	409.4	409.4	406.9	406.1	406.1
177.5°	403.7	403.7	405.6	405.0	405.6	405.6	405.6	405.0	404.3	403.7	403.7
180°	403.7	403.7	403.7	403.7	403.7	403.7	403.7	403.7	403.7	403.7	403.7



TEST NUMBER: P333189-930

CATALOG NUMBER: S125DIP-S610D1035U930-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	729.7	729.7	729.7	729.7	729.7	729.7	729.7	729.7	729.7	729.7	729.7
2.5°	750.7	749.0	747.1	743.6	739.3	737.1	733.7	731.4	726.9	723.3	719.3
5°	788.8	780.8	773.4	763.8	753.3	746.4	738.3	729.4	720.1	710.5	699.9
7.5°	828.3	814.1	798.6	781.9	765.6	750.6	736.3	722.3	709.1	693.2	679.8
10°	854.8	836.8	817.7	795.0	773.1	753.8	734.3	717.3	699.9	681.3	665.0
12.5°	881.3	857.4	830.3	805.4	779.0	755.9	732.9	711.1	689.3	668.7	649.6
15°	900.0	879.0	853.9	818.6	788.8	756.9	726.6	698.4	672.1	649.1	625.0
17.5°	912.3	885.3	858.3	824.4	785.5	749.7	715.3	683.1	653.5	624.4	601.1
20°	914.6	886.7	858.5	825.4	785.5	744.5	710.2	671.5	639.5	609.5	581.0
22.5°	913.9	882.2	851.6	817.4	778.5	740.9	699.3	659.8	625.2	595.7	565.9
25°	906.9	873.1	834.7	800.3	761.9	721.9	679.8	639.0	603.6	569.9	540.5
27.5°	901.0	857.2	813.8	773.6	736.5	699.9	659.7	617.8	578.6	544.4	516.7
30°	893.8	845.8	796.9	755.0	717.0	681.3	643.3	602.4	561.5	528.1	498.3
32.5°	887.4	831.4	779.8	734.3	694.0	659.3	624.2	585.3	545.2	511.2	481.5
35°	875.0	810.2	751.1	699.6	656.6	621.0	591.6	555.3	518.4	485.6	457.1
37.5°	859.2	782.4	718.8	665.0	617.8	580.2	552.9	525.1	489.7	458.0	432.3
40°	846.8	762.5	695.3	640.2	591.3	552.2	526.8	500.5	471.1	441.6	414.4
42.5°	831.1	744.7	671.5	612.2	563.8	525.7	499.0	476.7	450.8	423.3	398.0
45°	802.5	712.3	633.1	569.2	520.3	482.8	455.3	438.5	419.1	393.1	371.7
47.5°	760.3	673.5	591.5	525.6	475.2	440.4	414.6	398.5	384.8	365.5	346.1
50°	722.8	644.5	561.5	496.2	445.6	410.7	386.9	372.3	360.5	345.6	329.2
52.5°	681.0	608.1	532.1	467.4	417.4	382.9	359.5	346.7	337.0	326.3	310.1
55°	614.5	552.5	481.9	420.6	374.5	340.7	320.2	309.1	301.0	293.0	283.1
57.5°	541.2	492.8	430.2	374.1	331.7	300.9	281.8	271.0	264.7	260.6	254.8
60°	489.7	448.2	394.3	343.2	301.7	274.4	255.8	247.4	242.2	238.8	234.5
62.5°	441.8	407.7	357.8	311.2	274.9	249.2	232.5	224.5	219.4	217.8	214.1
65°	371.4	345.0	303.9	265.1	234.2	212.1	198.2	190.5	187.4	185.5	185.8
67.5°	301.9	285.8	252.8	219.8	195.0	176.6	165.4	159.5	157.9	155.5	155.4
70°	259.5	247.4	219.6	190.8	168.8	154.6	144.6	138.4	136.9	135.7	135.3
72.5°	222.1	211.6	187.4	164.3	144.6	132.0	123.8	120.1	117.6	116.8	116.8
75°	167.0	161.0	141.9	123.6	110.0	101.3	95.7	92.3	90.4	90.1	90.4
77.5°	118.7	113.6	101.3	88.4	79.8	73.2	68.5	67.3	65.2	65.3	65.0
80°	89.2	85.8	78.0	67.8	60.7	55.1	52.7	50.5	49.9	48.9	49.9
82.5°	64.7	61.0	55.8	49.2	43.4	40.0	37.5	36.9	36.4	36.0	36.2
85°	31.9	32.2	29.1	24.1	21.7	19.8	18.3	18.3	17.9	17.7	17.9
87.5°	13.0	12.2	11.0	9.9	8.4	7.3	6.8	6.8	6.3	6.4	6.9
90°	10.6	9.0	8.2	6.5	4.9	3.3	1.6	0.8	1.6	3.3	4.9
92.5°	185.7	111.2	66.8	43.0	28.9	18.9	12.1	9.9	12.1	18.9	28.9
95°	363.8	184.7	97.7	61.1	43.1	34.2	27.6	26.8	27.6	34.2	43.1
97.5°	290.4	159.2	101.6	75.2	59.1	50.1	45.6	44.6	45.6	50.1	59.1
100°	263.7	157.9	110.7	86.3	70.8	61.9	58.6	57.0	58.6	61.9	70.8
102.5°	252.7	163.8	121.7	98.0	83.8	74.2	71.6	70.7	71.6	74.2	83.8
105°	248.3	175.8	140.0	117.2	104.2	96.0	92.0	92.0	92.0	96.0	104.2
107.5°	255.8	193.7	159.1	138.5	125.0	118.3	114.5	112.8	114.5	118.3	125.0
110°	262.9	206.8	173.3	152.2	140.0	132.6	129.4	127.8	129.4	132.6	140.0



TEST NUMBER: P333189-930

CATALOG NUMBER: S125DIP-S610D1035U930-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	272.0	219.1	187.0	166.5	154.3	147.0	144.4	142.8	144.4	147.0	154.3
115°	285.7	238.5	208.4	188.0	175.8	168.4	166.0	164.4	166.0	168.4	175.8
117.5°	301.3	258.4	229.8	210.2	196.3	189.0	186.4	183.9	186.4	189.0	196.3
120°	311.7	272.6	244.2	223.8	210.0	202.7	199.4	197.0	199.4	202.7	210.0
122.5°	323.4	286.3	257.9	237.5	222.3	215.0	212.4	210.7	212.4	215.0	222.3
125°	339.4	304.4	277.5	256.4	240.9	233.6	229.5	227.9	229.5	233.6	240.9
127.5°	354.0	321.8	296.0	274.8	258.4	249.1	243.9	241.4	243.9	249.1	258.4
130°	363.8	332.9	307.6	286.5	269.4	258.9	252.3	249.9	252.3	258.9	269.4
132.5°	372.3	343.3	318.0	296.9	279.2	267.3	259.4	256.4	259.4	267.3	279.2
135°	384.2	357.3	332.1	310.1	293.0	280.0	270.2	266.9	270.2	280.0	293.0
137.5°	393.0	367.2	344.3	321.6	304.9	291.9	282.7	280.3	282.7	291.9	304.9
140°	398.8	374.4	350.8	328.8	313.3	300.4	290.6	288.1	290.6	300.4	313.3
142.5°	402.0	379.0	356.6	336.0	321.1	308.1	299.1	297.3	299.1	308.1	321.1
145°	406.9	386.6	365.4	346.7	332.1	320.7	312.5	310.9	312.5	320.7	332.1
147.5°	409.9	391.5	372.9	356.4	343.8	333.2	326.2	325.2	326.2	333.2	343.8
150°	411.8	394.8	376.8	363.0	351.6	341.0	335.3	333.7	335.3	341.0	351.6
152.5°	413.1	398.0	381.4	368.8	358.1	348.9	343.8	342.8	343.8	348.9	358.1
155°	414.3	401.2	387.4	376.0	367.9	359.7	354.8	354.8	354.8	359.7	367.9
157.5°	415.1	404.0	392.2	383.5	376.3	369.3	365.4	365.6	365.4	369.3	376.3
160°	415.1	405.3	394.8	387.4	380.9	375.2	371.9	372.8	371.9	375.2	380.9
162.5°	414.4	406.6	397.4	391.3	386.1	381.1	377.8	378.6	377.8	381.1	386.1
165°	413.4	406.9	400.5	395.6	392.3	388.2	385.8	387.4	385.8	388.2	392.3
167.5°	411.5	406.9	401.5	398.5	396.2	394.0	392.5	393.3	392.5	394.0	396.2
170°	410.2	406.9	402.8	400.5	398.8	397.2	396.4	397.2	396.4	397.2	398.8
172.5°	408.9	406.3	402.8	401.7	400.7	399.2	398.4	399.8	398.4	399.2	400.7
175°	406.9	405.3	402.8	402.8	402.8	402.0	401.2	402.8	401.2	402.0	402.8
177.5°	405.0	404.3	403.0	403.0	403.7	403.0	403.0	404.3	403.0	403.0	403.7
180°	403.7	403.7	403.7	403.7	403.7	403.7	403.7	403.7	403.7	403.7	403.7



TEST NUMBER: P333189-930

CATALOG NUMBER: S125DIP-S610D1035U930-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	729.7	729.7	729.7	729.7	729.7	729.7	729.7	729.7	729.7	729.7	729.7
2.5°	717.1	714.3	712.1	707.1	704.4	700.7	697.7	700.9	697.5	699.0	696.8
5°	694.7	686.0	679.8	670.8	663.1	656.0	650.7	649.8	647.3	646.0	642.4
7.5°	667.8	657.0	646.3	634.5	624.6	614.6	608.1	602.8	599.2	594.6	591.4
10°	651.9	637.4	625.0	610.7	598.3	587.5	578.9	574.5	570.5	564.6	562.5
12.5°	632.3	617.3	602.2	586.9	575.1	563.0	555.5	549.0	546.3	539.6	538.9
15°	608.9	586.3	571.4	556.0	539.5	529.6	523.4	516.3	513.2	508.6	505.2
17.5°	580.9	560.7	542.1	526.1	512.0	503.7	495.9	491.1	485.8	482.7	477.1
20°	560.6	541.4	522.8	505.7	494.9	485.3	479.2	474.5	468.9	467.3	461.8
22.5°	543.5	522.3	504.4	490.2	478.3	467.5	460.8	457.6	453.8	449.0	447.9
25°	515.7	493.7	478.5	464.2	453.7	443.8	439.2	435.1	431.5	428.0	426.8
27.5°	491.6	472.0	454.0	441.1	431.9	422.9	418.8	413.9	411.2	408.5	405.1
30°	474.8	454.7	438.9	426.5	416.5	408.5	404.1	400.8	398.3	395.8	394.0
32.5°	457.5	438.8	423.5	411.4	401.5	395.4	391.5	389.1	386.4	383.4	381.1
35°	434.6	414.1	399.3	388.7	380.9	376.3	371.9	369.8	366.7	366.7	364.2
37.5°	408.7	391.0	377.9	368.3	361.3	357.2	352.5	351.1	349.0	347.7	346.9
40°	393.3	376.9	364.5	354.9	347.5	344.1	340.4	337.9	336.6	335.1	334.5
42.5°	377.5	361.8	349.9	341.0	334.6	331.7	328.2	326.5	324.0	322.0	321.6
45°	353.4	338.2	327.3	320.2	314.7	311.3	309.1	305.4	304.1	301.7	301.3
47.5°	330.5	315.9	305.3	299.5	294.6	291.8	288.4	284.7	283.2	282.0	281.9
50°	313.4	300.1	290.2	284.6	280.0	276.0	272.6	270.1	269.1	269.1	269.8
52.5°	296.1	284.8	276.3	269.5	265.1	260.8	257.7	256.2	254.8	256.2	257.4
55°	270.7	259.3	253.1	246.5	242.2	237.3	235.7	235.1	234.2	236.6	237.8
57.5°	243.8	235.8	228.5	222.1	218.2	215.3	213.2	212.9	214.6	215.7	219.8
60°	226.7	217.4	210.9	205.9	201.3	199.4	198.9	198.2	199.4	202.8	208.1
62.5°	207.9	200.3	193.3	189.6	186.2	183.1	183.0	183.4	185.8	189.7	195.0
65°	180.3	173.7	169.1	164.8	162.0	160.1	160.8	162.0	164.8	170.1	175.9
67.5°	152.2	147.7	143.6	140.1	137.4	137.4	138.0	139.9	143.2	149.2	154.6
70°	134.1	129.1	125.7	124.2	122.1	120.8	122.6	125.7	128.5	134.1	138.8
72.5°	116.0	111.8	109.2	108.1	107.1	106.2	106.8	110.1	113.9	119.5	124.9
75°	89.2	87.6	85.8	84.5	83.6	84.2	84.9	88.0	91.1	96.9	103.1
77.5°	65.1	63.5	62.4	62.0	61.6	61.9	63.6	65.9	69.0	73.2	77.9
80°	49.2	48.6	48.0	47.7	47.7	48.0	50.5	52.0	54.8	58.9	62.5
82.5°	35.9	35.5	35.4	35.3	35.5	35.6	37.1	39.1	41.4	44.5	47.7
85°	18.9	18.3	19.2	19.5	18.9	19.8	20.5	21.7	22.6	24.1	25.7
87.5°	7.5	8.3	8.2	8.8	9.0	9.8	9.7	10.8	11.5	12.1	12.2
90°	6.5	8.2	9.0	10.6	11.4	13.0	13.9	14.7	15.5	16.3	17.9
92.5°	43.0	66.8	111.2	185.7	266.6	262.4	212.4	144.2	104.7	78.8	66.8
95°	61.1	97.7	184.7	363.8	588.5	721.1	705.6	585.2	461.5	361.3	293.0
97.5°	75.2	101.6	159.2	290.4	525.5	770.1	892.8	871.6	784.7	687.2	592.2
100°	86.3	110.7	157.9	263.7	468.8	734.9	938.4	1001.1	961.2	877.3	792.7
102.5°	98.0	121.7	163.8	252.7	425.8	673.1	911.1	1044.7	1069.3	1029.1	971.8
105°	117.2	140.0	175.8	248.3	384.2	590.0	823.7	1019.0	1130.5	1166.3	1157.3
107.5°	138.5	159.1	193.7	255.8	366.6	533.0	734.4	927.2	1076.0	1167.9	1210.4
110°	152.2	173.3	206.8	262.9	361.3	506.2	683.6	859.5	1014.1	1128.9	1198.1



TEST NUMBER: P333189-930

CATALOG NUMBER: S125DIP-S610D1035U930-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	166.5	187.0	219.1	272.0	361.3	490.6	645.9	806.1	952.9	1068.9	1150.6
115°	188.0	208.4	238.5	285.7	363.8	473.7	604.7	739.0	865.2	976.6	1065.4
117.5°	210.2	229.8	258.4	301.3	369.2	465.4	580.2	695.7	804.5	900.5	981.9
120°	223.8	244.2	272.6	311.7	374.4	461.5	566.5	672.3	770.0	859.5	931.1
122.5°	237.5	257.9	286.3	323.4	379.0	458.2	554.7	654.7	745.2	824.9	892.0
125°	256.4	277.5	304.4	339.4	386.6	454.1	538.8	629.2	712.2	782.9	841.6
127.5°	274.8	296.0	321.8	354.0	395.3	452.2	524.2	603.1	680.6	746.7	801.5
130°	286.5	307.6	332.9	363.8	400.5	450.9	514.4	586.9	658.4	721.9	774.9
132.5°	296.9	318.0	343.3	372.3	406.3	450.9	506.5	570.5	637.6	695.2	746.2
135°	310.1	332.1	357.3	384.2	414.3	450.9	497.3	549.3	605.5	657.6	704.0
137.5°	321.6	344.3	367.2	393.0	421.6	451.8	489.0	531.5	576.9	620.2	659.6
140°	328.8	350.8	374.4	398.8	424.9	452.5	485.1	521.7	559.9	597.4	631.6
142.5°	336.0	356.6	379.0	402.0	426.8	453.1	481.8	513.2	545.6	577.9	607.5
145°	346.7	365.4	386.6	406.9	428.9	452.5	477.0	502.1	527.4	552.6	574.6
147.5°	356.4	372.9	391.5	409.9	429.7	450.4	471.9	491.8	512.3	531.7	548.2
150°	363.0	376.8	394.8	411.8	429.7	448.4	468.0	485.9	503.8	519.3	533.9
152.5°	368.8	381.4	398.0	413.1	429.1	445.9	463.4	479.4	495.3	509.5	520.9
155°	376.0	387.4	401.2	414.3	427.3	441.2	455.8	469.6	482.7	494.1	503.0
157.5°	383.5	392.2	404.0	415.1	425.2	436.3	448.6	459.8	470.6	479.4	486.4
160°	387.4	394.8	405.3	415.1	423.2	433.0	442.8	453.3	461.5	469.6	475.3
162.5°	391.3	397.4	406.6	414.4	421.3	429.1	437.6	446.2	453.6	460.5	465.5
165°	395.6	400.5	406.9	413.4	418.3	423.2	429.7	436.3	442.0	446.9	450.9
167.5°	398.5	401.5	406.9	411.5	413.8	417.5	422.1	426.8	430.6	434.3	437.2
170°	400.5	402.8	406.9	410.2	411.8	414.3	417.5	421.6	424.0	426.5	428.1
172.5°	401.7	402.8	406.3	408.9	409.2	410.3	412.9	415.7	418.2	420.0	420.9
175°	402.8	402.8	405.3	406.9	406.1	406.1	406.9	409.4	409.4	411.0	411.0
177.5°	403.0	403.0	404.3	405.0	403.7	403.7	404.3	405.0	405.6	405.6	405.6
180°	403.7	403.7	403.7	403.7	403.7	403.7	403.7	403.7	403.7	403.7	403.7



TEST NUMBER: P333189-930

CATALOG NUMBER: S125DIP-S610D1035U930-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	729.7	729.7	729.7	729.7	729.7	729.7	729.7	729.7	729.7	729.7	729.7
2.5°	695.2	697.0	695.5	697.5	695.5	697.0	695.2	696.8	699.0	697.5	700.9
5°	640.8	638.0	639.8	638.6	639.8	638.0	640.8	642.4	646.0	647.3	649.8
7.5°	590.5	587.8	584.8	583.3	584.8	587.8	590.5	591.4	594.6	599.2	602.8
10°	559.1	555.6	555.3	553.2	555.3	555.6	559.1	562.5	564.6	570.5	574.5
12.5°	536.0	532.8	529.3	528.4	529.3	532.8	536.0	538.9	539.6	546.3	549.0
15°	503.3	500.8	498.6	500.5	498.6	500.8	503.3	505.2	508.6	513.2	516.3
17.5°	476.1	474.0	473.7	471.4	473.7	474.0	476.1	477.1	482.7	485.8	491.1
20°	459.0	457.5	458.0	454.0	458.0	457.5	459.0	461.8	467.3	468.9	474.5
22.5°	445.4	442.3	442.0	441.2	442.0	442.3	445.4	447.9	449.0	453.8	457.6
25°	424.0	422.5	420.9	422.5	420.9	422.5	424.0	426.8	428.0	431.5	435.1
27.5°	405.4	403.5	403.1	403.2	403.1	403.5	405.4	405.1	408.5	411.2	413.9
30°	394.0	390.9	391.2	390.9	391.2	390.9	394.0	394.0	395.8	398.3	400.8
32.5°	381.6	379.4	379.0	378.5	379.0	379.4	381.6	381.1	383.4	386.4	389.1
35°	363.3	363.3	361.7	361.7	361.7	363.3	363.3	364.2	366.7	366.7	369.8
37.5°	346.1	345.8	344.9	345.0	344.9	345.8	346.1	346.9	347.7	349.0	351.1
40°	333.2	333.0	332.0	330.1	332.0	333.0	333.2	334.5	335.1	336.6	337.9
42.5°	320.9	319.8	319.4	318.8	319.4	319.8	320.9	321.6	322.0	324.0	326.5
45°	301.3	301.3	300.8	300.4	300.8	301.3	301.3	301.3	301.7	304.1	305.4
47.5°	282.4	283.0	284.1	284.0	284.1	283.0	282.4	281.9	282.0	283.2	284.7
50°	271.0	271.3	272.2	272.6	272.2	271.3	271.0	269.8	269.1	269.1	270.1
52.5°	258.4	260.2	261.3	261.1	261.3	260.2	258.4	257.4	256.2	254.8	256.2
55°	240.7	242.8	245.0	245.3	245.0	242.8	240.7	237.8	236.6	234.2	235.1
57.5°	223.1	226.2	228.4	229.2	228.4	226.2	223.1	219.8	215.7	214.6	212.9
60°	211.2	215.2	218.0	219.3	218.0	215.2	211.2	208.1	202.8	199.4	198.2
62.5°	199.8	204.3	207.2	207.4	207.2	204.3	199.8	195.0	189.7	185.8	183.4
65°	181.2	185.8	188.3	190.1	188.3	185.8	181.2	175.9	170.1	164.8	162.0
67.5°	161.1	165.8	168.5	170.0	168.5	165.8	161.1	154.6	149.2	143.2	139.9
70°	146.5	151.2	154.8	156.1	154.8	151.2	146.5	138.8	134.1	128.5	125.7
72.5°	132.2	136.2	139.3	140.7	139.3	136.2	132.2	124.9	119.5	113.9	110.1
75°	107.1	112.8	115.5	117.1	115.5	112.8	107.1	103.1	96.9	91.1	88.0
77.5°	82.7	87.7	89.4	90.2	89.4	87.7	82.7	77.9	73.2	69.0	65.9
80°	66.3	69.4	71.6	71.8	71.6	69.4	66.3	62.5	58.9	54.8	52.0
82.5°	51.0	53.5	54.2	55.0	54.2	53.5	51.0	47.7	44.5	41.4	39.1
85°	27.9	29.1	29.4	29.1	29.4	29.1	27.9	25.7	24.1	22.6	21.7
87.5°	12.7	12.5	12.6	13.1	12.6	12.5	12.7	12.2	12.1	11.5	10.8
90°	17.9	17.9	18.8	18.8	18.8	17.9	17.9	17.9	16.3	15.5	14.7
92.5°	56.3	54.4	53.2	51.9	53.2	54.4	56.3	66.8	78.8	104.7	144.2
95°	235.2	210.8	204.3	191.3	204.3	210.8	235.2	293.0	361.3	461.5	585.2
97.5°	541.9	496.3	472.7	462.3	472.7	496.3	541.9	592.2	687.2	784.7	871.6
100°	736.5	678.0	647.8	634.9	647.8	678.0	736.5	792.7	877.3	961.2	1001.1
102.5°	911.7	870.1	837.3	827.5	837.3	870.1	911.7	971.8	1029.1	1069.3	1044.7
105°	1131.3	1104.5	1088.2	1078.4	1088.2	1104.5	1131.3	1157.3	1166.3	1130.5	1019.0
107.5°	1223.6	1223.4	1218.1	1211.5	1218.1	1223.4	1223.6	1210.4	1167.9	1076.0	927.2
110°	1234.7	1250.1	1255.8	1255.8	1255.8	1250.1	1234.7	1198.1	1128.9	1014.1	859.5



TEST NUMBER: P333189-930

CATALOG NUMBER: S125DIP-S610D1035U930-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	1204.0	1230.6	1244.8	1250.6	1244.8	1230.6	1204.0	1150.6	1068.9	952.9	806.1
115°	1128.9	1167.9	1190.7	1201.3	1190.7	1167.9	1128.9	1065.4	976.6	865.2	739.0
117.5°	1045.4	1085.7	1108.3	1114.8	1108.3	1085.7	1045.4	981.9	900.5	804.5	695.7
120°	991.3	1030.4	1052.4	1058.9	1052.4	1030.4	991.3	931.1	859.5	770.0	672.3
122.5°	945.7	981.5	1003.6	1009.4	1003.6	981.5	945.7	892.0	824.9	745.2	654.7
125°	887.1	920.5	938.4	946.6	938.4	920.5	887.1	841.6	782.9	712.2	629.2
127.5°	842.9	872.3	889.2	892.8	889.2	872.3	842.9	801.5	746.7	680.6	603.1
130°	815.5	842.4	858.7	863.6	858.7	842.4	815.5	774.9	721.9	658.4	586.9
132.5°	786.8	813.8	828.7	834.2	828.7	813.8	786.8	746.2	695.2	637.6	570.5
135°	739.8	766.7	781.3	786.2	781.3	766.7	739.8	704.0	657.6	605.5	549.3
137.5°	691.6	716.1	729.6	734.9	729.6	716.1	691.6	659.6	620.2	576.9	531.5
140°	661.7	682.9	695.0	699.1	695.0	682.9	661.7	631.6	597.4	559.9	521.7
142.5°	633.1	650.9	662.5	665.9	662.5	650.9	633.1	607.5	577.9	545.6	513.2
145°	594.1	608.0	616.9	620.2	616.9	608.0	594.1	574.6	552.6	527.4	502.1
147.5°	563.7	574.8	580.0	581.5	580.0	574.8	563.7	548.2	531.7	512.3	491.8
150°	546.1	555.9	559.1	559.9	559.1	555.9	546.1	533.9	519.3	503.8	485.9
152.5°	531.2	539.0	542.2	543.0	542.2	539.0	531.2	520.9	509.5	495.3	479.4
155°	511.1	516.8	519.3	520.1	519.3	516.8	511.1	503.0	494.1	482.7	469.6
157.5°	492.8	497.4	499.7	499.5	499.7	497.4	492.8	486.4	479.4	470.6	459.8
160°	481.0	485.1	486.7	485.9	486.7	485.1	481.0	475.3	469.6	461.5	453.3
162.5°	469.9	473.4	473.7	473.5	473.7	473.4	469.9	465.5	460.5	453.6	446.2
165°	454.1	455.8	455.8	455.8	455.8	455.8	454.1	450.9	446.9	442.0	436.3
167.5°	438.9	440.3	439.7	439.5	439.7	440.3	438.9	437.2	434.3	430.6	426.8
170°	429.7	430.6	430.6	429.7	430.6	430.6	429.7	428.1	426.5	424.0	421.6
172.5°	421.3	422.7	421.4	420.6	421.4	422.7	421.3	420.9	420.0	418.2	415.7
175°	411.0	411.8	410.2	409.4	410.2	411.8	411.0	411.0	411.0	409.4	409.4
177.5°	405.0	405.6	403.7	403.7	403.7	405.6	405.0	405.6	405.6	405.6	405.0
180°	403.7	403.7	403.7	403.7	403.7	403.7	403.7	403.7	403.7	403.7	403.7



TEST NUMBER: P333189-930

CATALOG NUMBER: S125DIP-S610D1035U930-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	729.7	729.7	729.7	729.7	729.7	729.7	729.7	729.7	729.7	729.7	729.7
2.5°	697.7	700.7	704.4	707.1	712.1	714.3	717.1	719.3	723.3	726.9	731.4
5°	650.7	656.0	663.1	670.8	679.8	686.0	694.7	699.9	710.5	720.1	729.4
7.5°	608.1	614.6	624.6	634.5	646.3	657.0	667.8	679.8	693.2	709.1	722.3
10°	578.9	587.5	598.3	610.7	625.0	637.4	651.9	665.0	681.3	699.9	717.3
12.5°	555.5	563.0	575.1	586.9	602.2	617.3	632.3	649.6	668.7	689.3	711.1
15°	523.4	529.6	539.5	556.0	571.4	586.3	608.9	625.0	649.1	672.1	698.4
17.5°	495.9	503.7	512.0	526.1	542.1	560.7	580.9	601.1	624.4	653.5	683.1
20°	479.2	485.3	494.9	505.7	522.8	541.4	560.6	581.0	609.5	639.5	671.5
22.5°	460.8	467.5	478.3	490.2	504.4	522.3	543.5	565.9	595.7	625.2	659.8
25°	439.2	443.8	453.7	464.2	478.5	493.7	515.7	540.5	569.9	603.6	639.0
27.5°	418.8	422.9	431.9	441.1	454.0	472.0	491.6	516.7	544.4	578.6	617.8
30°	404.1	408.5	416.5	426.5	438.9	454.7	474.8	498.3	528.1	561.5	602.4
32.5°	391.5	395.4	401.5	411.4	423.5	438.8	457.5	481.5	511.2	545.2	585.3
35°	371.9	376.3	380.9	388.7	399.3	414.1	434.6	457.1	485.6	518.4	555.3
37.5°	352.5	357.2	361.3	368.3	377.9	391.0	408.7	432.3	458.0	489.7	525.1
40°	340.4	344.1	347.5	354.9	364.5	376.9	393.3	414.4	441.6	471.1	500.5
42.5°	328.2	331.7	334.6	341.0	349.9	361.8	377.5	398.0	423.3	450.8	476.7
45°	309.1	311.3	314.7	320.2	327.3	338.2	353.4	371.7	393.1	419.1	438.5
47.5°	288.4	291.8	294.6	299.5	305.3	315.9	330.5	346.1	365.5	384.8	398.5
50°	272.6	276.0	280.0	284.6	290.2	300.1	313.4	329.2	345.6	360.5	372.3
52.5°	257.7	260.8	265.1	269.5	276.3	284.8	296.1	310.1	326.3	337.0	346.7
55°	235.7	237.3	242.2	246.5	253.1	259.3	270.7	283.1	293.0	301.0	309.1
57.5°	213.2	215.3	218.2	222.1	228.5	235.8	243.8	254.8	260.6	264.7	271.0
60°	198.9	199.4	201.3	205.9	210.9	217.4	226.7	234.5	238.8	242.2	247.4
62.5°	183.0	183.1	186.2	189.6	193.3	200.3	207.9	214.1	217.8	219.4	224.5
65°	160.8	160.1	162.0	164.8	169.1	173.7	180.3	185.8	185.5	187.4	190.5
67.5°	138.0	137.4	137.4	140.1	143.6	147.7	152.2	155.4	155.5	157.9	159.5
70°	122.6	120.8	122.1	124.2	125.7	129.1	134.1	135.3	135.7	136.9	138.4
72.5°	106.8	106.2	107.1	108.1	109.2	111.8	116.0	116.8	116.8	117.6	120.1
75°	84.9	84.2	83.6	84.5	85.8	87.6	89.2	90.4	90.1	90.4	92.3
77.5°	63.6	61.9	61.6	62.0	62.4	63.5	65.1	65.0	65.3	65.2	67.3
80°	50.5	48.0	47.7	47.7	48.0	48.6	49.2	49.9	48.9	49.9	50.5
82.5°	37.1	35.6	35.5	35.3	35.4	35.5	35.9	36.2	36.0	36.4	36.9
85°	20.5	19.8	18.9	19.5	19.2	18.3	18.9	17.9	17.7	17.9	18.3
87.5°	9.7	9.8	9.0	8.8	8.2	8.3	7.5	6.9	6.4	6.3	6.8
90°	13.9	13.0	11.4	10.6	9.0	8.2	6.5	4.9	3.3	1.6	0.8
92.5°	212.4	262.4	266.6	185.7	111.2	66.8	43.0	28.9	18.9	12.1	9.9
95°	705.6	721.1	588.5	363.8	184.7	97.7	61.1	43.1	34.2	27.6	26.8
97.5°	892.8	770.1	525.5	290.4	159.2	101.6	75.2	59.1	50.1	45.6	44.6
100°	938.4	734.9	468.8	263.7	157.9	110.7	86.3	70.8	61.9	58.6	57.0
102.5°	911.1	673.1	425.8	252.7	163.8	121.7	98.0	83.8	74.2	71.6	70.7
105°	823.7	590.0	384.2	248.3	175.8	140.0	117.2	104.2	96.0	92.0	92.0
107.5°	734.4	533.0	366.6	255.8	193.7	159.1	138.5	125.0	118.3	114.5	112.8
110°	683.6	506.2	361.3	262.9	206.8	173.3	152.2	140.0	132.6	129.4	127.8



TEST NUMBER: P333189-930

CATALOG NUMBER: S125DIP-S610D1035U930-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	645.9	490.6	361.3	272.0	219.1	187.0	166.5	154.3	147.0	144.4	142.8
115°	604.7	473.7	363.8	285.7	238.5	208.4	188.0	175.8	168.4	166.0	164.4
117.5°	580.2	465.4	369.2	301.3	258.4	229.8	210.2	196.3	189.0	186.4	183.9
120°	566.5	461.5	374.4	311.7	272.6	244.2	223.8	210.0	202.7	199.4	197.0
122.5°	554.7	458.2	379.0	323.4	286.3	257.9	237.5	222.3	215.0	212.4	210.7
125°	538.8	454.1	386.6	339.4	304.4	277.5	256.4	240.9	233.6	229.5	227.9
127.5°	524.2	452.2	395.3	354.0	321.8	296.0	274.8	258.4	249.1	243.9	241.4
130°	514.4	450.9	400.5	363.8	332.9	307.6	286.5	269.4	258.9	252.3	249.9
132.5°	506.5	450.9	406.3	372.3	343.3	318.0	296.9	279.2	267.3	259.4	256.4
135°	497.3	450.9	414.3	384.2	357.3	332.1	310.1	293.0	280.0	270.2	266.9
137.5°	489.0	451.8	421.6	393.0	367.2	344.3	321.6	304.9	291.9	282.7	280.3
140°	485.1	452.5	424.9	398.8	374.4	350.8	328.8	313.3	300.4	290.6	288.1
142.5°	481.8	453.1	426.8	402.0	379.0	356.6	336.0	321.1	308.1	299.1	297.3
145°	477.0	452.5	428.9	406.9	386.6	365.4	346.7	332.1	320.7	312.5	310.9
147.5°	471.9	450.4	429.7	409.9	391.5	372.9	356.4	343.8	333.2	326.2	325.2
150°	468.0	448.4	429.7	411.8	394.8	376.8	363.0	351.6	341.0	335.3	333.7
152.5°	463.4	445.9	429.1	413.1	398.0	381.4	368.8	358.1	348.9	343.8	342.8
155°	455.8	441.2	427.3	414.3	401.2	387.4	376.0	367.9	359.7	354.8	354.8
157.5°	448.6	436.3	425.2	415.1	404.0	392.2	383.5	376.3	369.3	365.4	365.6
160°	442.8	433.0	423.2	415.1	405.3	394.8	387.4	380.9	375.2	371.9	372.8
162.5°	437.6	429.1	421.3	414.4	406.6	397.4	391.3	386.1	381.1	377.8	378.6
165°	429.7	423.2	418.3	413.4	406.9	400.5	395.6	392.3	388.2	385.8	387.4
167.5°	422.1	417.5	413.8	411.5	406.9	401.5	398.5	396.2	394.0	392.5	393.3
170°	417.5	414.3	411.8	410.2	406.9	402.8	400.5	398.8	397.2	396.4	397.2
172.5°	412.9	410.3	409.2	408.9	406.3	402.8	401.7	400.7	399.2	398.4	399.8
175°	406.9	406.1	406.1	406.9	405.3	402.8	402.8	402.8	402.0	401.2	402.8
177.5°	404.3	403.7	403.7	405.0	404.3	403.0	403.0	403.7	403.0	403.0	404.3
180°	403.7	403.7	403.7	403.7	403.7	403.7	403.7	403.7	403.7	403.7	403.7



TEST NUMBER: P333189-930

CATALOG NUMBER: S125DIP-S610D1035U930-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	729.7	729.7	729.7	729.7	729.7	729.7	729.7	729.7	729.7	729.7	729.7
2.5°	733.7	737.1	739.3	743.6	747.1	749.0	750.7	752.2	754.0	755.5	759.7
5°	738.3	746.4	753.3	763.8	773.4	780.8	788.8	796.0	801.8	810.2	816.7
7.5°	736.3	750.6	765.6	781.9	798.6	814.1	828.3	841.6	853.7	868.3	881.1
10°	734.3	753.8	773.1	795.0	817.7	836.8	854.8	873.1	886.4	905.0	920.8
12.5°	732.9	755.9	779.0	805.4	830.3	857.4	881.3	894.6	914.9	929.8	948.5
15°	726.6	756.9	788.8	818.6	853.9	879.0	900.0	926.0	944.9	963.8	984.2
17.5°	715.3	749.7	785.5	824.4	858.3	885.3	912.3	937.4	960.0	985.3	1010.8
20°	710.2	744.5	785.5	825.4	858.5	886.7	914.6	942.2	966.9	999.5	1028.8
22.5°	699.3	740.9	778.5	817.4	851.6	882.2	913.9	945.1	978.0	1014.8	1051.7
25°	679.8	721.9	761.9	800.3	834.7	873.1	906.9	948.7	990.8	1039.4	1085.2
27.5°	659.7	699.9	736.5	773.6	813.8	857.2	901.0	948.4	1003.6	1064.9	1129.7
30°	643.3	681.3	717.0	755.0	796.9	845.8	893.8	950.2	1014.0	1083.0	1159.8
32.5°	624.2	659.3	694.0	734.3	779.8	831.4	887.4	949.2	1025.9	1104.4	1183.4
35°	591.6	621.0	656.6	699.6	751.1	810.2	875.0	948.0	1036.0	1126.1	1192.7
37.5°	552.9	580.2	617.8	665.0	718.8	782.4	859.2	945.8	1039.3	1111.1	1132.6
40°	526.8	552.2	591.3	640.2	695.3	762.5	846.8	938.4	1028.8	1074.7	1057.0
42.5°	499.0	525.7	563.8	612.2	671.5	744.7	831.1	922.8	998.7	1015.9	955.0
45°	455.3	482.8	520.3	569.2	633.1	712.3	802.5	885.7	929.4	898.1	803.7
47.5°	414.6	440.4	475.2	525.6	591.5	673.5	760.3	826.7	830.2	755.5	654.7
50°	386.9	410.7	445.6	496.2	561.5	644.5	722.8	775.2	751.7	667.2	570.2
52.5°	359.5	382.9	417.4	467.4	532.1	608.1	681.0	717.7	673.4	586.6	503.8
55°	320.2	340.7	374.5	420.6	481.9	552.5	614.5	627.1	569.6	484.0	416.9
57.5°	281.8	300.9	331.7	374.1	430.2	492.8	541.2	538.5	477.6	404.2	350.9
60°	255.8	274.4	301.7	343.2	394.3	448.2	489.7	479.7	419.4	356.2	311.3
62.5°	232.5	249.2	274.9	311.2	357.8	407.7	441.8	427.2	368.0	312.8	277.3
65°	198.2	212.1	234.2	265.1	303.9	345.0	371.4	352.5	302.0	258.9	230.4
67.5°	165.4	176.6	195.0	219.8	252.8	285.8	301.9	282.9	242.5	211.1	190.0
70°	144.6	154.6	168.8	190.8	219.6	247.4	259.5	242.5	207.8	180.8	165.7
72.5°	123.8	132.0	144.6	164.3	187.4	211.6	222.1	205.9	177.3	154.6	140.4
75°	95.7	101.3	110.0	123.6	141.9	161.0	167.0	152.7	134.4	117.4	108.1
77.5°	68.5	73.2	79.8	88.4	101.3	113.6	118.7	110.5	96.3	85.5	77.9
80°	52.7	55.1	60.7	67.8	78.0	85.8	89.2	83.9	74.0	66.0	60.1
82.5°	37.5	40.0	43.4	49.2	55.8	61.0	64.7	61.1	54.0	47.6	44.2
85°	18.3	19.8	21.7	24.1	29.1	32.2	31.9	29.8	26.9	24.5	22.6
87.5°	6.8	7.3	8.4	9.9	11.0	12.2	13.0	12.7	12.0	11.4	10.8
90°	1.6	3.3	4.9	6.5	8.2	9.0	10.6	11.4	13.0	13.9	14.7
92.5°	12.1	18.9	28.9	43.0	66.8	111.2	185.7	266.6	262.4	212.4	144.2
95°	27.6	34.2	43.1	61.1	97.7	184.7	363.8	588.5	721.1	705.6	585.2
97.5°	45.6	50.1	59.1	75.2	101.6	159.2	290.4	525.5	770.1	892.8	871.6
100°	58.6	61.9	70.8	86.3	110.7	157.9	263.7	468.8	734.9	938.4	1001.1
102.5°	71.6	74.2	83.8	98.0	121.7	163.8	252.7	425.8	673.1	911.1	1044.7
105°	92.0	96.0	104.2	117.2	140.0	175.8	248.3	384.2	590.0	823.7	1019.0
107.5°	114.5	118.3	125.0	138.5	159.1	193.7	255.8	366.6	533.0	734.4	927.2
110°	129.4	132.6	140.0	152.2	173.3	206.8	262.9	361.3	506.2	683.6	859.5



TEST NUMBER: P333189-930

CATALOG NUMBER: S125DIP-S610D1035U930-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	144.4	147.0	154.3	166.5	187.0	219.1	272.0	361.3	490.6	645.9	806.1
115°	166.0	168.4	175.8	188.0	208.4	238.5	285.7	363.8	473.7	604.7	739.0
117.5°	186.4	189.0	196.3	210.2	229.8	258.4	301.3	369.2	465.4	580.2	695.7
120°	199.4	202.7	210.0	223.8	244.2	272.6	311.7	374.4	461.5	566.5	672.3
122.5°	212.4	215.0	222.3	237.5	257.9	286.3	323.4	379.0	458.2	554.7	654.7
125°	229.5	233.6	240.9	256.4	277.5	304.4	339.4	386.6	454.1	538.8	629.2
127.5°	243.9	249.1	258.4	274.8	296.0	321.8	354.0	395.3	452.2	524.2	603.1
130°	252.3	258.9	269.4	286.5	307.6	332.9	363.8	400.5	450.9	514.4	586.9
132.5°	259.4	267.3	279.2	296.9	318.0	343.3	372.3	406.3	450.9	506.5	570.5
135°	270.2	280.0	293.0	310.1	332.1	357.3	384.2	414.3	450.9	497.3	549.3
137.5°	282.7	291.9	304.9	321.6	344.3	367.2	393.0	421.6	451.8	489.0	531.5
140°	290.6	300.4	313.3	328.8	350.8	374.4	398.8	424.9	452.5	485.1	521.7
142.5°	299.1	308.1	321.1	336.0	356.6	379.0	402.0	426.8	453.1	481.8	513.2
145°	312.5	320.7	332.1	346.7	365.4	386.6	406.9	428.9	452.5	477.0	502.1
147.5°	326.2	333.2	343.8	356.4	372.9	391.5	409.9	429.7	450.4	471.9	491.8
150°	335.3	341.0	351.6	363.0	376.8	394.8	411.8	429.7	448.4	468.0	485.9
152.5°	343.8	348.9	358.1	368.8	381.4	398.0	413.1	429.1	445.9	463.4	479.4
155°	354.8	359.7	367.9	376.0	387.4	401.2	414.3	427.3	441.2	455.8	469.6
157.5°	365.4	369.3	376.3	383.5	392.2	404.0	415.1	425.2	436.3	448.6	459.8
160°	371.9	375.2	380.9	387.4	394.8	405.3	415.1	423.2	433.0	442.8	453.3
162.5°	377.8	381.1	386.1	391.3	397.4	406.6	414.4	421.3	429.1	437.6	446.2
165°	385.8	388.2	392.3	395.6	400.5	406.9	413.4	418.3	423.2	429.7	436.3
167.5°	392.5	394.0	396.2	398.5	401.5	406.9	411.5	413.8	417.5	422.1	426.8
170°	396.4	397.2	398.8	400.5	402.8	406.9	410.2	411.8	414.3	417.5	421.6
172.5°	398.4	399.2	400.7	401.7	402.8	406.3	408.9	409.2	410.3	412.9	415.7
175°	401.2	402.0	402.8	402.8	402.8	405.3	406.9	406.1	406.1	406.9	409.4
177.5°	403.0	403.0	403.7	403.0	403.0	404.3	405.0	403.7	403.7	404.3	405.0
180°	403.7	403.7	403.7	403.7	403.7	403.7	403.7	403.7	403.7	403.7	403.7



TEST NUMBER: P333189-930

CATALOG NUMBER: S125DIP-S610D1035U930-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	729.7	729.7	729.7	729.7	729.7	729.7	729.7
2.5°	763.1	765.1	769.3	767.8	769.8	770.8	771.8
5°	824.8	834.7	839.0	838.4	844.9	843.3	841.8
7.5°	894.4	904.8	910.6	917.9	922.1	922.3	926.0
10°	933.8	947.4	953.0	960.7	965.7	968.5	968.2
12.5°	964.0	974.7	987.2	991.0	997.7	1001.2	999.9
15°	1000.4	1017.4	1030.4	1036.9	1045.3	1047.7	1051.2
17.5°	1032.8	1055.6	1070.9	1091.0	1098.7	1103.3	1100.6
20°	1057.4	1087.4	1102.6	1126.7	1140.0	1147.2	1144.7
22.5°	1086.4	1118.8	1147.0	1167.8	1188.1	1197.8	1199.7
25°	1136.0	1180.6	1221.8	1249.4	1274.5	1280.3	1293.4
27.5°	1191.6	1244.1	1288.2	1317.1	1334.6	1341.2	1345.2
30°	1226.5	1278.8	1312.0	1330.5	1336.1	1335.5	1334.9
32.5°	1243.6	1276.4	1282.7	1277.5	1264.8	1253.9	1242.7
35°	1219.4	1194.9	1158.3	1111.3	1076.6	1041.5	1038.1
37.5°	1096.7	1018.4	957.6	889.7	850.4	826.2	809.4
40°	981.1	892.3	818.6	761.2	721.3	705.6	690.1
42.5°	855.8	770.9	705.6	657.7	627.7	610.2	597.9
45°	695.3	620.4	569.2	534.6	510.7	497.1	489.3
47.5°	569.7	514.3	470.9	445.9	429.4	418.8	418.8
50°	502.4	449.4	420.6	400.8	386.5	378.1	379.7
52.5°	442.6	403.1	378.5	361.8	351.3	346.2	346.0
55°	370.1	341.6	325.5	313.4	306.3	300.4	301.7
57.5°	316.6	292.5	281.8	271.7	266.8	264.4	261.1
60°	283.4	264.8	255.5	247.4	242.5	240.7	237.3
62.5°	253.9	239.3	230.2	223.6	219.2	218.6	215.9
65°	213.4	202.3	194.2	191.1	186.5	185.2	185.2
67.5°	175.9	168.0	161.7	158.8	156.8	157.1	155.6
70°	152.4	145.9	141.9	138.8	137.2	137.5	136.2
72.5°	133.3	126.0	122.5	120.7	118.6	119.4	119.0
75°	100.9	97.3	95.4	93.5	92.3	91.6	91.1
77.5°	74.1	70.8	69.5	68.4	68.6	67.1	68.2
80°	57.3	54.5	53.6	52.0	51.7	51.7	51.4
82.5°	41.9	40.4	39.7	38.4	37.8	38.3	37.5
85°	21.7	20.5	20.1	20.1	19.5	18.9	20.5
87.5°	11.0	10.2	10.5	10.3	10.3	10.2	9.7
90°	15.5	16.3	17.9	17.9	17.9	18.8	18.8
92.5°	104.7	78.8	66.8	56.3	54.4	53.2	51.9
95°	461.5	361.3	293.0	235.2	210.8	204.3	191.3
97.5°	784.7	687.2	592.2	541.9	496.3	472.7	462.3
100°	961.2	877.3	792.7	736.5	678.0	647.8	634.9
102.5°	1069.3	1029.1	971.8	911.7	870.1	837.3	827.5
105°	1130.5	1166.3	1157.3	1131.3	1104.5	1088.2	1078.4
107.5°	1076.0	1167.9	1210.4	1223.6	1223.4	1218.1	1211.5
110°	1014.1	1128.9	1198.1	1234.7	1250.1	1255.8	1255.8



TEST NUMBER: P333189-930

CATALOG NUMBER: S125DIP-S610D1035U930-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
112.5°	952.9	1068.9	1150.6	1204.0	1230.6	1244.8	1250.6
115°	865.2	976.6	1065.4	1128.9	1167.9	1190.7	1201.3
117.5°	804.5	900.5	981.9	1045.4	1085.7	1108.3	1114.8
120°	770.0	859.5	931.1	991.3	1030.4	1052.4	1058.9
122.5°	745.2	824.9	892.0	945.7	981.5	1003.6	1009.4
125°	712.2	782.9	841.6	887.1	920.5	938.4	946.6
127.5°	680.6	746.7	801.5	842.9	872.3	889.2	892.8
130°	658.4	721.9	774.9	815.5	842.4	858.7	863.6
132.5°	637.6	695.2	746.2	786.8	813.8	828.7	834.2
135°	605.5	657.6	704.0	739.8	766.7	781.3	786.2
137.5°	576.9	620.2	659.6	691.6	716.1	729.6	734.9
140°	559.9	597.4	631.6	661.7	682.9	695.0	699.1
142.5°	545.6	577.9	607.5	633.1	650.9	662.5	665.9
145°	527.4	552.6	574.6	594.1	608.0	616.9	620.2
147.5°	512.3	531.7	548.2	563.7	574.8	580.0	581.5
150°	503.8	519.3	533.9	546.1	555.9	559.1	559.9
152.5°	495.3	509.5	520.9	531.2	539.0	542.2	543.0
155°	482.7	494.1	503.0	511.1	516.8	519.3	520.1
157.5°	470.6	479.4	486.4	492.8	497.4	499.7	499.5
160°	461.5	469.6	475.3	481.0	485.1	486.7	485.9
162.5°	453.6	460.5	465.5	469.9	473.4	473.7	473.5
165°	442.0	446.9	450.9	454.1	455.8	455.8	455.8
167.5°	430.6	434.3	437.2	438.9	440.3	439.7	439.5
170°	424.0	426.5	428.1	429.7	430.6	430.6	429.7
172.5°	418.2	420.0	420.9	421.3	422.7	421.4	420.6
175°	409.4	411.0	411.0	411.0	411.8	410.2	409.4
177.5°	405.6	405.6	405.6	405.0	405.6	403.7	403.7
180°	403.7	403.7	403.7	403.7	403.7	403.7	403.7

(END OF REPORT)