

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: P333188-930

Luminaire Tested: **S125DIP-S610D1035U930-4F0-1E-UDD-A1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P333188-930
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1807-864-11,
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: NEO-RAY
Catalog Number: S125DIP-S610D1035U930-4F0-1E-UDD-A1
Description: DEFINE 5 DIRECT-INDIRECT PENDANT LED LUMINAIRE
DOWNLIGHT 610 LUMENS PER FOOT, ASYMMETRIC DIFFUSER
UPLIGHT 1035 LUMENS PER FOOT, FLUSH SATIN WHITE DIFFUSER
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4979.9 lumens
Efficiency: N/A
Efficacy: 111.9 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

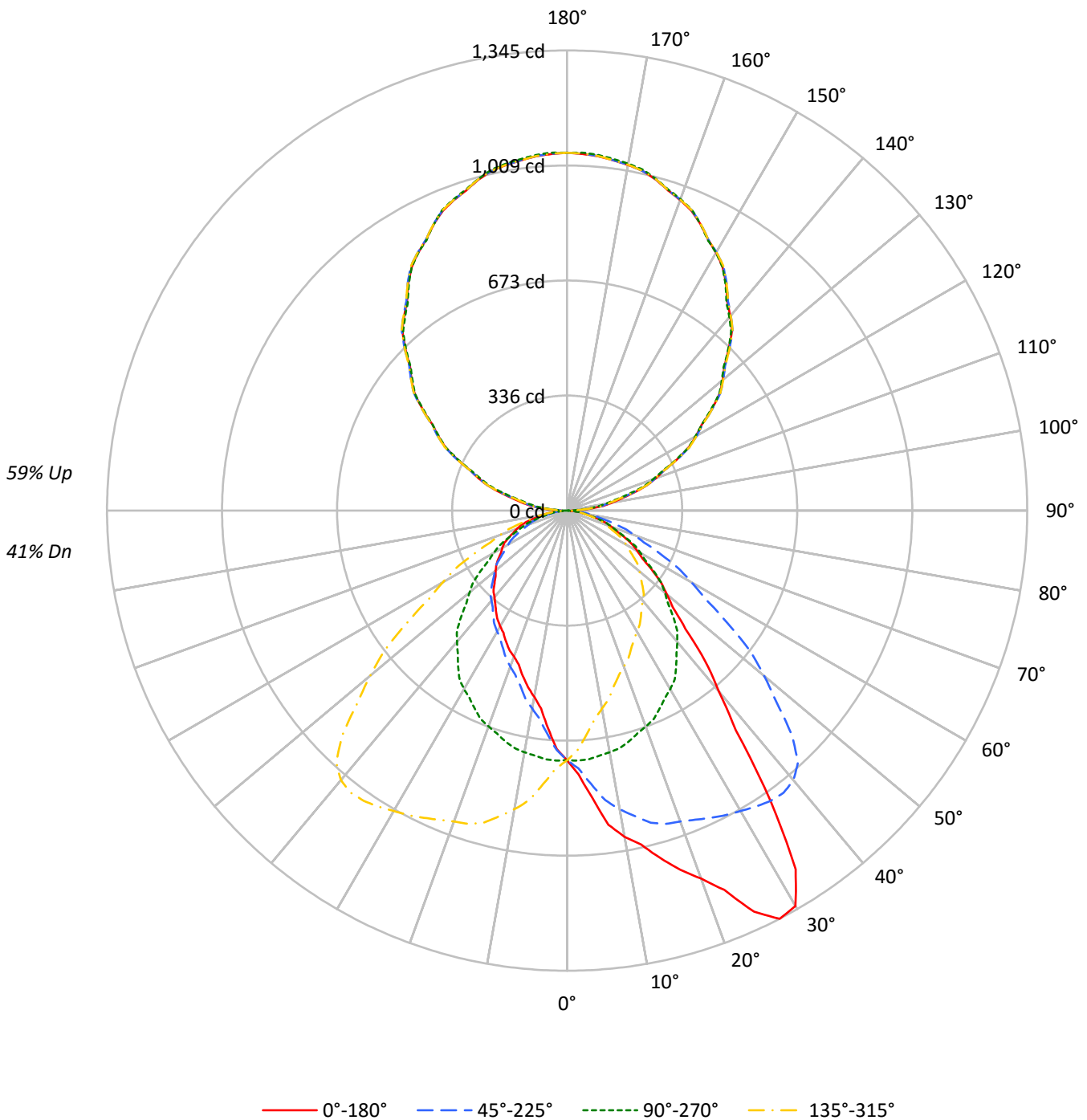
Input Watts (W): 44.5
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	79	79	79	63	63	63	48	48	48	41
1	96	92	88	85	87	84	81	78	69	67	65	55	54	53	43	42	41	35
2	88	80	74	69	80	74	68	64	61	57	54	49	46	44	38	36	35	30
3	80	71	64	58	73	65	59	54	54	49	45	43	40	37	34	32	30	25
4	73	63	55	49	66	57	51	46	48	43	39	39	35	32	30	28	26	22
5	67	56	48	42	61	51	44	39	43	37	33	35	31	28	27	25	22	19
6	62	50	42	36	56	46	39	34	38	33	29	31	27	24	25	22	20	17
7	57	45	37	32	52	42	35	30	35	29	26	28	25	22	23	20	18	15
8	53	41	33	28	48	38	31	26	32	26	23	26	22	19	21	18	16	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	32	25	21	27	22	18	22	18	16	18	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



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	70.2	1.4
10°-20°	209.2	4.2
20°-30°	339.6	6.8
30°-40°	414.3	8.3
40°-50°	376.9	7.6
50°-60°	300.2	6.0
60°-70°	209.1	4.2
70°-80°	111.5	2.2
80°-90°	30.4	0.6
90°-100°	70.1	1.4
100°-110°	206.9	4.2
110°-120°	350.4	7.0
120°-130°	461.1	9.3
130°-140°	516.7	10.4
140°-150°	506.4	10.2
150°-160°	425.3	8.5
160°-170°	282.7	5.7
170°-180°	98.9	2.0
0°-30°	619.0	12.4
0°-40°	1033.3	20.7
0°-60°	1710.3	34.3
0°-90°	2061.3	41.4
90°-120°	627.3	12.6
90°-150°	2111.6	42.4
90°-180°	2919.0	58.6
0°-180°	4979.9	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°	20	1	20	1	20	12
95°	70	53	70	53	70	71
105°	202	186	202	186	202	214
115°	354	351	354	351	354	350
125°	515	512	515	512	515	460
135°	668	666	668	666	668	515
145°	810	807	810	807	810	506
155°	923	923	923	923	923	425
165°	1001	1004	1001	1004	1001	282
175°	1039	1044	1039	1044	1039	99
180°	1046	1046	1046	1046	1046	



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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°	9.9	10.3	10.4	10.3	10.4	10.3	11.1	10.9	11.5	12.0	12.7
90°	19.6	19.0	18.4	17.9	17.4	16.6	15.7	14.8	13.9	13.0	11.7
92.5°	38.4	38.0	37.6	37.3	36.9	36.0	34.8	33.7	32.4	31.2	29.7
95°	70.0	69.6	69.3	68.9	68.6	67.8	66.4	65.2	63.9	62.7	60.9
97.5°	106.2	105.9	105.7	105.5	105.3	104.6	103.4	102.2	101.0	99.8	97.3
100°	133.5	133.1	132.7	132.4	132.1	131.0	129.4	127.8	126.1	124.5	122.2
102.5°	160.9	160.4	159.8	159.3	158.8	157.7	155.9	154.1	152.4	150.6	149.4
105°	201.9	201.3	200.8	200.2	199.7	198.9	197.8	196.7	195.6	194.5	193.5
107.5°	243.9	243.9	243.9	243.9	244.0	243.8	243.2	242.6	242.1	241.6	240.8
110°	275.1	275.3	275.5	275.7	275.8	275.7	275.1	274.6	274.0	273.5	273.0



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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	305.7	306.1	306.4	306.7	307.0	307.0	306.8	306.6	306.3	306.1	305.3
115°	354.1	354.2	354.4	354.6	354.8	355.0	355.1	355.3	355.6	355.7	355.3
117.5°	401.3	402.0	402.8	403.4	404.1	404.5	404.3	404.1	404.1	403.9	403.6
120°	433.8	434.6	435.3	436.0	436.8	437.1	437.1	437.1	437.1	437.1	436.9
122.5°	466.4	467.0	467.6	468.1	468.7	469.0	469.2	469.4	469.5	469.6	469.2
125°	515.3	515.4	515.6	515.8	515.9	516.2	516.6	517.0	517.3	517.7	517.5
127.5°	562.1	562.5	562.8	563.2	563.5	563.9	564.0	564.2	564.4	564.6	564.4
130°	593.4	593.7	594.1	594.4	594.8	595.1	595.3	595.4	595.7	595.8	595.4
132.5°	622.6	623.2	623.7	624.2	624.7	625.0	625.3	625.4	625.6	625.7	625.8
135°	668.2	669.0	669.7	670.4	671.2	671.5	671.5	671.5	671.5	671.5	671.3
137.5°	712.9	713.8	714.7	715.6	716.5	716.8	716.6	716.4	716.2	715.9	715.6
140°	741.5	742.4	743.3	744.2	745.1	745.4	745.0	744.7	744.3	744.0	743.4
142.5°	768.8	769.8	770.7	771.6	772.5	772.8	772.6	772.4	772.2	771.9	771.3
145°	809.9	810.4	811.0	811.5	812.0	812.4	812.4	812.4	812.4	812.4	811.8
147.5°	844.9	846.1	847.3	848.6	849.8	850.2	849.8	849.3	848.9	848.5	848.0
150°	870.9	871.3	871.6	872.0	872.4	872.5	872.5	872.5	872.5	872.5	871.8
152.5°	892.4	893.1	893.7	894.4	895.0	895.1	894.7	894.3	893.8	893.4	893.1
155°	923.0	923.9	924.8	925.8	926.7	926.8	926.0	925.3	924.5	923.8	923.7
157.5°	948.6	949.7	951.0	952.2	953.3	953.6	952.8	952.1	951.5	950.7	950.6
160°	966.1	967.1	968.0	968.9	969.8	969.9	969.1	968.4	967.7	966.9	966.8
162.5°	981.1	982.2	983.3	984.3	985.4	985.5	984.6	983.7	982.8	981.9	981.9
165°	1001.2	1002.2	1003.3	1004.4	1005.5	1005.7	1004.9	1004.2	1003.6	1002.8	1002.6
167.5°	1017.1	1018.2	1019.4	1020.5	1021.6	1021.7	1020.5	1019.5	1018.4	1017.2	1017.2
170°	1025.6	1026.9	1028.1	1029.4	1030.6	1030.7	1029.6	1028.6	1027.5	1026.4	1026.4
172.5°	1032.7	1033.9	1035.0	1036.1	1037.2	1037.2	1036.2	1035.1	1034.0	1032.9	1032.9
175°	1039.4	1040.6	1042.0	1043.3	1044.5	1044.6	1043.5	1042.4	1041.3	1040.2	1040.2
177.5°	1043.3	1044.3	1045.4	1046.4	1047.4	1047.4	1046.6	1045.7	1044.9	1044.0	1044.2
180°	1045.9	1045.9	1045.9	1045.9	1045.9	1045.9	1045.9	1045.9	1045.9	1045.9	1045.9



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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	10.0	8.5	7.4	6.9	6.8	6.4	6.4	7.0
90°	10.5	9.2	8.0	6.6	5.1	3.7	2.3	0.8	2.3	3.7	5.1
92.5°	28.1	26.6	25.0	23.7	22.7	21.7	20.7	19.7	20.7	21.7	22.7
95°	59.0	57.2	55.4	54.4	54.0	53.6	53.2	52.9	53.2	53.6	54.0
97.5°	94.8	92.3	89.8	88.5	88.4	88.2	88.1	87.9	88.1	88.2	88.4
100°	119.8	117.5	115.1	114.0	114.0	114.0	114.0	114.0	114.0	114.0	114.0
102.5°	148.2	147.0	145.8	144.9	144.1	143.4	142.7	141.9	142.7	143.4	144.1
105°	192.3	191.3	190.2	189.2	188.3	187.4	186.5	185.6	186.5	187.4	188.3
107.5°	239.9	239.0	238.2	237.4	236.5	235.5	234.6	233.7	234.6	235.5	236.5
110°	272.4	271.8	271.3	270.6	269.7	268.8	267.9	267.0	267.9	268.8	269.7



TEST NUMBER: P333188-930

CATALOG NUMBER: S125DIP-S610D1035U930-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	304.7	304.0	303.3	302.7	302.2	301.7	301.3	300.8	301.3	301.7	302.2
115°	355.0	354.6	354.2	353.7	353.0	352.3	351.6	350.8	351.6	352.3	353.0
117.5°	403.2	402.9	402.6	402.3	401.9	401.6	401.3	401.0	401.3	401.6	401.9
120°	436.8	436.5	436.3	435.9	435.0	434.0	433.1	432.2	433.1	434.0	435.0
122.5°	468.7	468.2	467.7	467.4	467.1	466.8	466.4	466.1	466.4	466.8	467.1
125°	517.3	517.1	517.0	516.3	515.3	514.1	513.1	512.0	513.1	514.1	515.3
127.5°	564.1	563.9	563.7	563.3	562.6	562.1	561.4	560.8	561.4	562.1	562.6
130°	595.1	594.8	594.4	593.7	592.8	591.9	591.0	590.1	591.0	591.9	592.8
132.5°	625.9	626.0	626.1	625.3	623.9	622.4	620.9	619.4	620.9	622.4	623.9
135°	671.2	671.0	670.8	670.2	669.0	668.0	666.9	665.9	666.9	668.0	669.0
137.5°	715.2	714.8	714.4	713.6	712.6	711.5	710.5	709.5	710.5	711.5	712.6
140°	742.9	742.3	741.8	741.0	740.1	739.2	738.3	737.4	738.3	739.2	740.1
142.5°	770.6	769.9	769.2	768.5	767.7	767.0	766.2	765.4	766.2	767.0	767.7
145°	811.2	810.7	810.2	809.5	808.8	808.0	807.4	806.7	807.4	808.0	808.8
147.5°	847.6	847.2	846.8	846.3	846.0	845.5	845.1	844.7	845.1	845.5	846.0
150°	871.1	870.4	869.7	869.4	869.6	869.8	869.9	870.1	869.9	869.8	869.6
152.5°	892.8	892.5	892.3	891.9	891.7	891.4	891.2	891.0	891.2	891.4	891.7
155°	923.5	923.3	923.1	923.0	923.0	923.0	923.0	923.0	923.0	923.0	923.0
157.5°	950.3	950.1	950.0	950.1	950.5	950.9	951.3	951.7	951.3	950.9	950.5
160°	966.6	966.5	966.3	966.5	966.9	967.5	968.1	968.6	968.1	967.5	966.9
162.5°	981.9	981.9	981.8	982.0	982.4	982.8	983.2	983.6	983.2	982.8	982.4
165°	1002.4	1002.2	1002.1	1002.2	1002.5	1002.9	1003.2	1003.6	1003.2	1002.9	1002.5
167.5°	1017.2	1017.2	1017.2	1017.7	1018.4	1019.1	1019.8	1020.5	1019.8	1019.1	1018.4
170°	1026.4	1026.4	1026.4	1026.8	1027.5	1028.2	1028.9	1029.6	1028.9	1028.2	1027.5
172.5°	1032.9	1032.9	1032.9	1033.3	1034.0	1034.7	1035.4	1036.2	1035.4	1034.7	1034.0
175°	1040.2	1040.2	1040.2	1040.6	1041.3	1042.0	1042.8	1043.5	1042.8	1042.0	1041.3
177.5°	1044.2	1044.4	1044.6	1044.9	1045.5	1046.1	1046.7	1047.3	1046.7	1046.1	1045.5
180°	1045.9	1045.9	1045.9	1045.9	1045.9	1045.9	1045.9	1045.9	1045.9	1045.9	1045.9



TEST NUMBER: P333188-930

CATALOG NUMBER: S125DIP-S610D1035U930-4F0-1E-UDD-A1

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	8.3	8.8	9.0	9.8	9.7	10.9	11.6	12.2	12.1
90°	6.6	8.0	9.2	10.5	11.7	13.0	13.9	14.8	15.7	16.6	17.4
92.5°	23.7	25.0	26.6	28.1	29.7	31.2	32.4	33.7	34.8	36.0	36.9
95°	54.4	55.4	57.2	59.0	60.9	62.7	63.9	65.2	66.4	67.8	68.6
97.5°	88.5	89.8	92.3	94.8	97.3	99.8	101.0	102.2	103.4	104.6	105.3
100°	114.0	115.1	117.5	119.8	122.2	124.5	126.1	127.8	129.4	131.0	132.1
102.5°	144.9	145.8	147.0	148.2	149.4	150.6	152.4	154.1	155.9	157.7	158.8
105°	189.2	190.2	191.3	192.3	193.5	194.5	195.6	196.7	197.8	198.9	199.7
107.5°	237.4	238.2	239.0	239.9	240.8	241.6	242.1	242.6	243.2	243.8	244.0
110°	270.6	271.3	271.8	272.4	273.0	273.5	274.0	274.6	275.1	275.7	275.8



TEST NUMBER: P333188-930

CATALOG NUMBER: S125DIP-S610D1035U930-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	302.7	303.3	304.0	304.7	305.3	306.1	306.3	306.6	306.8	307.0	307.0
115°	353.7	354.2	354.6	355.0	355.3	355.7	355.6	355.3	355.1	355.0	354.8
117.5°	402.3	402.6	402.9	403.2	403.6	403.9	404.1	404.1	404.3	404.5	404.1
120°	435.9	436.3	436.5	436.8	436.9	437.1	437.1	437.1	437.1	437.1	436.8
122.5°	467.4	467.7	468.2	468.7	469.2	469.6	469.5	469.4	469.2	469.0	468.7
125°	516.3	517.0	517.1	517.3	517.5	517.7	517.3	517.0	516.6	516.2	515.9
127.5°	563.3	563.7	563.9	564.1	564.4	564.6	564.4	564.2	564.0	563.9	563.5
130°	593.7	594.4	594.8	595.1	595.4	595.8	595.7	595.4	595.3	595.1	594.8
132.5°	625.3	626.1	626.0	625.9	625.8	625.7	625.6	625.4	625.3	625.0	624.7
135°	670.2	670.8	671.0	671.2	671.3	671.5	671.5	671.5	671.5	671.5	671.2
137.5°	713.6	714.4	714.8	715.2	715.6	715.9	716.2	716.4	716.6	716.8	716.5
140°	741.0	741.8	742.3	742.9	743.4	744.0	744.3	744.7	745.0	745.4	745.1
142.5°	768.5	769.2	769.9	770.6	771.3	771.9	772.2	772.4	772.6	772.8	772.5
145°	809.5	810.2	810.7	811.2	811.8	812.4	812.4	812.4	812.4	812.4	812.0
147.5°	846.3	846.8	847.2	847.6	848.0	848.5	848.9	849.3	849.8	850.2	849.8
150°	869.4	869.7	870.4	871.1	871.8	872.5	872.5	872.5	872.5	872.5	872.4
152.5°	891.9	892.3	892.5	892.8	893.1	893.4	893.8	894.3	894.7	895.1	895.0
155°	923.0	923.1	923.3	923.5	923.7	923.8	924.5	925.3	926.0	926.8	926.7
157.5°	950.1	950.0	950.1	950.3	950.6	950.7	951.5	952.1	952.8	953.6	953.3
160°	966.5	966.3	966.5	966.6	966.8	966.9	967.7	968.4	969.1	969.9	969.8
162.5°	982.0	981.8	981.9	981.9	981.9	981.9	982.8	983.7	984.6	985.5	985.4
165°	1002.2	1002.1	1002.2	1002.4	1002.6	1002.8	1003.6	1004.2	1004.9	1005.7	1005.5
167.5°	1017.7	1017.2	1017.2	1017.2	1017.2	1017.2	1018.4	1019.5	1020.5	1021.7	1021.6
170°	1026.8	1026.4	1026.4	1026.4	1026.4	1026.4	1027.5	1028.6	1029.6	1030.7	1030.6
172.5°	1033.3	1032.9	1032.9	1032.9	1032.9	1032.9	1034.0	1035.1	1036.2	1037.2	1037.2
175°	1040.6	1040.2	1040.2	1040.2	1040.2	1040.2	1041.3	1042.4	1043.5	1044.6	1044.5
177.5°	1044.9	1044.6	1044.4	1044.2	1044.2	1044.0	1044.9	1045.7	1046.6	1047.4	1047.4
180°	1045.9	1045.9	1045.9	1045.9	1045.9	1045.9	1045.9	1045.9	1045.9	1045.9	1045.9



TEST NUMBER: P333188-930

CATALOG NUMBER: S125DIP-S610D1035U930-4F0-1E-UDD-A1

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	12.6	12.7	13.3	12.7	12.6	12.7	12.1	12.2	11.6	10.9
90°	17.9	18.4	19.0	19.6	19.0	18.4	17.9	17.4	16.6	15.7	14.8
92.5°	37.3	37.6	38.0	38.4	38.0	37.6	37.3	36.9	36.0	34.8	33.7
95°	68.9	69.3	69.6	70.0	69.6	69.3	68.9	68.6	67.8	66.4	65.2
97.5°	105.5	105.7	105.9	106.2	105.9	105.7	105.5	105.3	104.6	103.4	102.2
100°	132.4	132.7	133.1	133.5	133.1	132.7	132.4	132.1	131.0	129.4	127.8
102.5°	159.3	159.8	160.4	160.9	160.4	159.8	159.3	158.8	157.7	155.9	154.1
105°	200.2	200.8	201.3	201.9	201.3	200.8	200.2	199.7	198.9	197.8	196.7
107.5°	243.9	243.9	243.9	243.9	243.9	243.9	243.9	244.0	243.8	243.2	242.6
110°	275.7	275.5	275.3	275.1	275.3	275.5	275.7	275.8	275.7	275.1	274.6



TEST NUMBER: P333188-930

CATALOG NUMBER: S125DIP-S610D1035U930-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	306.7	306.4	306.1	305.7	306.1	306.4	306.7	307.0	307.0	306.8	306.6
115°	354.6	354.4	354.2	354.1	354.2	354.4	354.6	354.8	355.0	355.1	355.3
117.5°	403.4	402.8	402.0	401.3	402.0	402.8	403.4	404.1	404.5	404.3	404.1
120°	436.0	435.3	434.6	433.8	434.6	435.3	436.0	436.8	437.1	437.1	437.1
122.5°	468.1	467.6	467.0	466.4	467.0	467.6	468.1	468.7	469.0	469.2	469.4
125°	515.8	515.6	515.4	515.3	515.4	515.6	515.8	515.9	516.2	516.6	517.0
127.5°	563.2	562.8	562.5	562.1	562.5	562.8	563.2	563.5	563.9	564.0	564.2
130°	594.4	594.1	593.7	593.4	593.7	594.1	594.4	594.8	595.1	595.3	595.4
132.5°	624.2	623.7	623.2	622.6	623.2	623.7	624.2	624.7	625.0	625.3	625.4
135°	670.4	669.7	669.0	668.2	669.0	669.7	670.4	671.2	671.5	671.5	671.5
137.5°	715.6	714.7	713.8	712.9	713.8	714.7	715.6	716.5	716.8	716.6	716.4
140°	744.2	743.3	742.4	741.5	742.4	743.3	744.2	745.1	745.4	745.0	744.7
142.5°	771.6	770.7	769.8	768.8	769.8	770.7	771.6	772.5	772.8	772.6	772.4
145°	811.5	811.0	810.4	809.9	810.4	811.0	811.5	812.0	812.4	812.4	812.4
147.5°	848.6	847.3	846.1	844.9	846.1	847.3	848.6	849.8	850.2	849.8	849.3
150°	872.0	871.6	871.3	870.9	871.3	871.6	872.0	872.4	872.5	872.5	872.5
152.5°	894.4	893.7	893.1	892.4	893.1	893.7	894.4	895.0	895.1	894.7	894.3
155°	925.8	924.8	923.9	923.0	923.9	924.8	925.8	926.7	926.8	926.0	925.3
157.5°	952.2	951.0	949.7	948.6	949.7	951.0	952.2	953.3	953.6	952.8	952.1
160°	968.9	968.0	967.1	966.1	967.1	968.0	968.9	969.8	969.9	969.1	968.4
162.5°	984.3	983.3	982.2	981.1	982.2	983.3	984.3	985.4	985.5	984.6	983.7
165°	1004.4	1003.3	1002.2	1001.2	1002.2	1003.3	1004.4	1005.5	1005.7	1004.9	1004.2
167.5°	1020.5	1019.4	1018.2	1017.1	1018.2	1019.4	1020.5	1021.6	1021.7	1020.5	1019.5
170°	1029.4	1028.1	1026.9	1025.6	1026.9	1028.1	1029.4	1030.6	1030.7	1029.6	1028.6
172.5°	1036.1	1035.0	1033.9	1032.7	1033.9	1035.0	1036.1	1037.2	1037.2	1036.2	1035.1
175°	1043.3	1042.0	1040.6	1039.4	1040.6	1042.0	1043.3	1044.5	1044.6	1043.5	1042.4
177.5°	1046.4	1045.4	1044.3	1043.3	1044.3	1045.4	1046.4	1047.4	1047.4	1046.6	1045.7
180°	1045.9	1045.9	1045.9	1045.9	1045.9	1045.9	1045.9	1045.9	1045.9	1045.9	1045.9



TEST NUMBER: P333188-930

CATALOG NUMBER: S125DIP-S610D1035U930-4F0-1E-UDD-A1

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	8.3	8.3	7.5	7.0	6.4	6.4	6.8
90°	13.9	13.0	11.7	10.5	9.2	8.0	6.6	5.1	3.7	2.3	0.8
92.5°	32.4	31.2	29.7	28.1	26.6	25.0	23.7	22.7	21.7	20.7	19.7
95°	63.9	62.7	60.9	59.0	57.2	55.4	54.4	54.0	53.6	53.2	52.9
97.5°	101.0	99.8	97.3	94.8	92.3	89.8	88.5	88.4	88.2	88.1	87.9
100°	126.1	124.5	122.2	119.8	117.5	115.1	114.0	114.0	114.0	114.0	114.0
102.5°	152.4	150.6	149.4	148.2	147.0	145.8	144.9	144.1	143.4	142.7	141.9
105°	195.6	194.5	193.5	192.3	191.3	190.2	189.2	188.3	187.4	186.5	185.6
107.5°	242.1	241.6	240.8	239.9	239.0	238.2	237.4	236.5	235.5	234.6	233.7
110°	274.0	273.5	273.0	272.4	271.8	271.3	270.6	269.7	268.8	267.9	267.0



TEST NUMBER: P333188-930

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CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	306.3	306.1	305.3	304.7	304.0	303.3	302.7	302.2	301.7	301.3	300.8
115°	355.6	355.7	355.3	355.0	354.6	354.2	353.7	353.0	352.3	351.6	350.8
117.5°	404.1	403.9	403.6	403.2	402.9	402.6	402.3	401.9	401.6	401.3	401.0
120°	437.1	437.1	436.9	436.8	436.5	436.3	435.9	435.0	434.0	433.1	432.2
122.5°	469.5	469.6	469.2	468.7	468.2	467.7	467.4	467.1	466.8	466.4	466.1
125°	517.3	517.7	517.5	517.3	517.1	517.0	516.3	515.3	514.1	513.1	512.0
127.5°	564.4	564.6	564.4	564.1	563.9	563.7	563.3	562.6	562.1	561.4	560.8
130°	595.7	595.8	595.4	595.1	594.8	594.4	593.7	592.8	591.9	591.0	590.1
132.5°	625.6	625.7	625.8	625.9	626.0	626.1	625.3	623.9	622.4	620.9	619.4
135°	671.5	671.5	671.3	671.2	671.0	670.8	670.2	669.0	668.0	666.9	665.9
137.5°	716.2	715.9	715.6	715.2	714.8	714.4	713.6	712.6	711.5	710.5	709.5
140°	744.3	744.0	743.4	742.9	742.3	741.8	741.0	740.1	739.2	738.3	737.4
142.5°	772.2	771.9	771.3	770.6	769.9	769.2	768.5	767.7	767.0	766.2	765.4
145°	812.4	812.4	811.8	811.2	810.7	810.2	809.5	808.8	808.0	807.4	806.7
147.5°	848.9	848.5	848.0	847.6	847.2	846.8	846.3	846.0	845.5	845.1	844.7
150°	872.5	872.5	871.8	871.1	870.4	869.7	869.4	869.6	869.8	869.9	870.1
152.5°	893.8	893.4	893.1	892.8	892.5	892.3	891.9	891.7	891.4	891.2	891.0
155°	924.5	923.8	923.7	923.5	923.3	923.1	923.0	923.0	923.0	923.0	923.0
157.5°	951.5	950.7	950.6	950.3	950.1	950.0	950.1	950.5	950.9	951.3	951.7
160°	967.7	966.9	966.8	966.6	966.5	966.3	966.5	966.9	967.5	968.1	968.6
162.5°	982.8	981.9	981.9	981.9	981.9	981.8	982.0	982.4	982.8	983.2	983.6
165°	1003.6	1002.8	1002.6	1002.4	1002.2	1002.1	1002.2	1002.5	1002.9	1003.2	1003.6
167.5°	1018.4	1017.2	1017.2	1017.2	1017.2	1017.2	1017.7	1018.4	1019.1	1019.8	1020.5
170°	1027.5	1026.4	1026.4	1026.4	1026.4	1026.4	1026.8	1027.5	1028.2	1028.9	1029.6
172.5°	1034.0	1032.9	1032.9	1032.9	1032.9	1032.9	1033.3	1034.0	1034.7	1035.4	1036.2
175°	1041.3	1040.2	1040.2	1040.2	1040.2	1040.2	1040.6	1041.3	1042.0	1042.8	1043.5
177.5°	1044.9	1044.0	1044.2	1044.2	1044.4	1044.6	1044.9	1045.5	1046.1	1046.7	1047.3
180°	1045.9	1045.9	1045.9	1045.9	1045.9	1045.9	1045.9	1045.9	1045.9	1045.9	1045.9



TEST NUMBER: P333188-930

CATALOG NUMBER: S125DIP-S610D1035U930-4F0-1E-UDD-A1

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°	6.9	7.4	8.5	10.0	11.0	12.2	13.0	12.7	12.0	11.5	10.9
90°	2.3	3.7	5.1	6.6	8.0	9.2	10.5	11.7	13.0	13.9	14.8
92.5°	20.7	21.7	22.7	23.7	25.0	26.6	28.1	29.7	31.2	32.4	33.7
95°	53.2	53.6	54.0	54.4	55.4	57.2	59.0	60.9	62.7	63.9	65.2
97.5°	88.1	88.2	88.4	88.5	89.8	92.3	94.8	97.3	99.8	101.0	102.2
100°	114.0	114.0	114.0	114.0	115.1	117.5	119.8	122.2	124.5	126.1	127.8
102.5°	142.7	143.4	144.1	144.9	145.8	147.0	148.2	149.4	150.6	152.4	154.1
105°	186.5	187.4	188.3	189.2	190.2	191.3	192.3	193.5	194.5	195.6	196.7
107.5°	234.6	235.5	236.5	237.4	238.2	239.0	239.9	240.8	241.6	242.1	242.6
110°	267.9	268.8	269.7	270.6	271.3	271.8	272.4	273.0	273.5	274.0	274.6



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CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	301.3	301.7	302.2	302.7	303.3	304.0	304.7	305.3	306.1	306.3	306.6
115°	351.6	352.3	353.0	353.7	354.2	354.6	355.0	355.3	355.7	355.6	355.3
117.5°	401.3	401.6	401.9	402.3	402.6	402.9	403.2	403.6	403.9	404.1	404.1
120°	433.1	434.0	435.0	435.9	436.3	436.5	436.8	436.9	437.1	437.1	437.1
122.5°	466.4	466.8	467.1	467.4	467.7	468.2	468.7	469.2	469.6	469.5	469.4
125°	513.1	514.1	515.3	516.3	517.0	517.1	517.3	517.5	517.7	517.3	517.0
127.5°	561.4	562.1	562.6	563.3	563.7	563.9	564.1	564.4	564.6	564.4	564.2
130°	591.0	591.9	592.8	593.7	594.4	594.8	595.1	595.4	595.8	595.7	595.4
132.5°	620.9	622.4	623.9	625.3	626.1	626.0	625.9	625.8	625.7	625.6	625.4
135°	666.9	668.0	669.0	670.2	670.8	671.0	671.2	671.3	671.5	671.5	671.5
137.5°	710.5	711.5	712.6	713.6	714.4	714.8	715.2	715.6	715.9	716.2	716.4
140°	738.3	739.2	740.1	741.0	741.8	742.3	742.9	743.4	744.0	744.3	744.7
142.5°	766.2	767.0	767.7	768.5	769.2	769.9	770.6	771.3	771.9	772.2	772.4
145°	807.4	808.0	808.8	809.5	810.2	810.7	811.2	811.8	812.4	812.4	812.4
147.5°	845.1	845.5	846.0	846.3	846.8	847.2	847.6	848.0	848.5	848.9	849.3
150°	869.9	869.8	869.6	869.4	869.7	870.4	871.1	871.8	872.5	872.5	872.5
152.5°	891.2	891.4	891.7	891.9	892.3	892.5	892.8	893.1	893.4	893.8	894.3
155°	923.0	923.0	923.0	923.0	923.1	923.3	923.5	923.7	923.8	924.5	925.3
157.5°	951.3	950.9	950.5	950.1	950.0	950.1	950.3	950.6	950.7	951.5	952.1
160°	968.1	967.5	966.9	966.5	966.3	966.5	966.6	966.8	966.9	967.7	968.4
162.5°	983.2	982.8	982.4	982.0	981.8	981.9	981.9	981.9	981.9	982.8	983.7
165°	1003.2	1002.9	1002.5	1002.2	1002.1	1002.2	1002.4	1002.6	1002.8	1003.6	1004.2
167.5°	1019.8	1019.1	1018.4	1017.7	1017.2	1017.2	1017.2	1017.2	1017.2	1018.4	1019.5
170°	1028.9	1028.2	1027.5	1026.8	1026.4	1026.4	1026.4	1026.4	1026.4	1027.5	1028.6
172.5°	1035.4	1034.7	1034.0	1033.3	1032.9	1032.9	1032.9	1032.9	1032.9	1034.0	1035.1
175°	1042.8	1042.0	1041.3	1040.6	1040.2	1040.2	1040.2	1040.2	1040.2	1041.3	1042.4
177.5°	1046.7	1046.1	1045.5	1044.9	1044.6	1044.4	1044.2	1044.2	1044.0	1044.9	1045.7
180°	1045.9	1045.9	1045.9	1045.9	1045.9	1045.9	1045.9	1045.9	1045.9	1045.9	1045.9



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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°	11.1	10.3	10.4	10.3	10.4	10.3	9.9
90°	15.7	16.6	17.4	17.9	18.4	19.0	19.6
92.5°	34.8	36.0	36.9	37.3	37.6	38.0	38.4
95°	66.4	67.8	68.6	68.9	69.3	69.6	70.0
97.5°	103.4	104.6	105.3	105.5	105.7	105.9	106.2
100°	129.4	131.0	132.1	132.4	132.7	133.1	133.5
102.5°	155.9	157.7	158.8	159.3	159.8	160.4	160.9
105°	197.8	198.9	199.7	200.2	200.8	201.3	201.9
107.5°	243.2	243.8	244.0	243.9	243.9	243.9	243.9
110°	275.1	275.7	275.8	275.7	275.5	275.3	275.1



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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
112.5°	306.8	307.0	307.0	306.7	306.4	306.1	305.7
115°	355.1	355.0	354.8	354.6	354.4	354.2	354.1
117.5°	404.3	404.5	404.1	403.4	402.8	402.0	401.3
120°	437.1	437.1	436.8	436.0	435.3	434.6	433.8
122.5°	469.2	469.0	468.7	468.1	467.6	467.0	466.4
125°	516.6	516.2	515.9	515.8	515.6	515.4	515.3
127.5°	564.0	563.9	563.5	563.2	562.8	562.5	562.1
130°	595.3	595.1	594.8	594.4	594.1	593.7	593.4
132.5°	625.3	625.0	624.7	624.2	623.7	623.2	622.6
135°	671.5	671.5	671.2	670.4	669.7	669.0	668.2
137.5°	716.6	716.8	716.5	715.6	714.7	713.8	712.9
140°	745.0	745.4	745.1	744.2	743.3	742.4	741.5
142.5°	772.6	772.8	772.5	771.6	770.7	769.8	768.8
145°	812.4	812.4	812.0	811.5	811.0	810.4	809.9
147.5°	849.8	850.2	849.8	848.6	847.3	846.1	844.9
150°	872.5	872.5	872.4	872.0	871.6	871.3	870.9
152.5°	894.7	895.1	895.0	894.4	893.7	893.1	892.4
155°	926.0	926.8	926.7	925.8	924.8	923.9	923.0
157.5°	952.8	953.6	953.3	952.2	951.0	949.7	948.6
160°	969.1	969.9	969.8	968.9	968.0	967.1	966.1
162.5°	984.6	985.5	985.4	984.3	983.3	982.2	981.1
165°	1004.9	1005.7	1005.5	1004.4	1003.3	1002.2	1001.2
167.5°	1020.5	1021.7	1021.6	1020.5	1019.4	1018.2	1017.1
170°	1029.6	1030.7	1030.6	1029.4	1028.1	1026.9	1025.6
172.5°	1036.2	1037.2	1037.2	1036.1	1035.0	1033.9	1032.7
175°	1043.5	1044.6	1044.5	1043.3	1042.0	1040.6	1039.4
177.5°	1046.6	1047.4	1047.4	1046.4	1045.4	1044.3	1043.3
180°	1045.9	1045.9	1045.9	1045.9	1045.9	1045.9	1045.9

(END OF REPORT)