

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: P333179-935

Luminaire Tested: **S125DIP-S610D810U935-4F0-1E-UDD-A1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P333179-935
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-S610D810U935-4F0-1E-UDD-A1
Description: DEFINE 5 DIRECT-INDIRECT PENDANT LED LUMINAIRE
DOWNLIGHT 610 LUMENS PER FOOT, ASYMMETRIC DIFFUSER
UPLIGHT 810 LUMENS PER FOOT, FLUSH SATIN WHITE DIFFUSER
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4590.5 lumens
Efficiency: N/A
Efficacy: 119.5 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

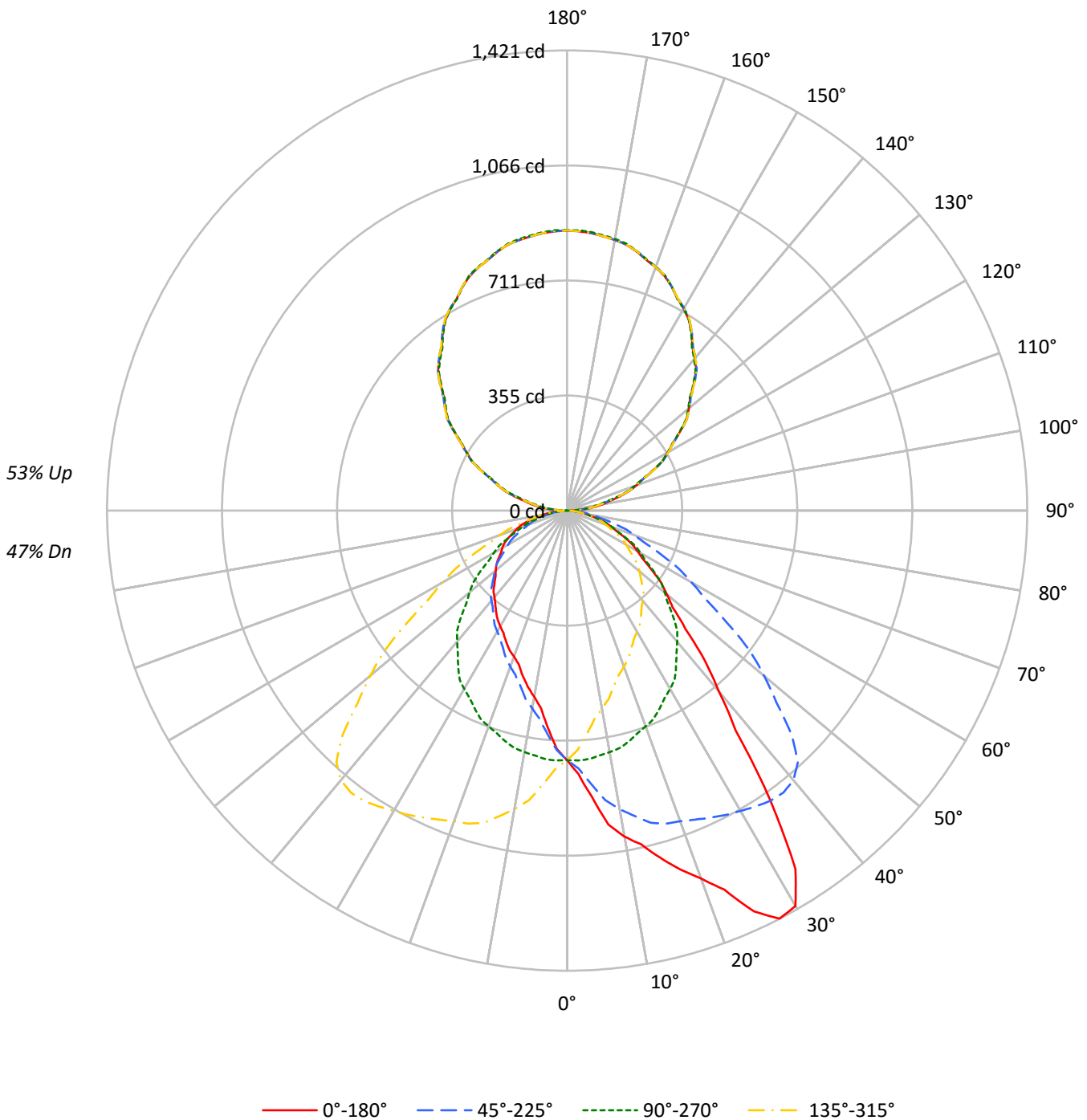
Input Watts (W): 38.4
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P333179-935

CATALOG NUMBER: S125DIP-S610D810U935-4F0-1E-UDD-A1

Luminous Intensity Polar Plot





TEST NUMBER: P333179-935

CATALOG NUMBER: S125DIP-S610D810U935-4F0-1E-UDD-A1

COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	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	50	30	10	50	30	10	0														
RCR																																						
0	107	107	107	107	98	98	98	98	82	82	82	67	67	67	54	54	54	47																				
1	97	93	89	86	89	86	83	80	72	70	68	59	58	56	48	47	46	40																				
2	89	82	76	71	81	75	70	66	63	60	56	52	50	47	42	40	39	34																				
3	81	72	65	59	74	66	60	55	56	51	48	47	43	40	38	35	33	29																				
4	74	64	56	50	68	59	52	47	50	45	41	42	38	35	34	31	29	25																				
5	68	57	49	43	63	53	46	40	45	39	35	37	33	30	30	27	25	22																				
6	63	51	43	37	58	47	40	35	40	35	31	34	30	26	28	25	22	19																				
7	58	46	38	33	53	43	36	31	36	31	27	31	26	23	25	22	20	17																				
8	54	42	34	29	49	39	32	27	33	28	24	28	24	21	23	20	18	15																				
9	50	38	31	26	46	35	29	24	30	25	21	26	22	19	21	18	16	14																				
10	47	35	28	23	43	32	26	22	28	23	19	24	20	17	20	17	14	12																				

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



TEST NUMBER: P333179-935

CATALOG NUMBER: S125DIP-S610D810U935-4F0-1E-UDD-A1

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	74.2	1.6
10°-20°	220.9	4.8
20°-30°	358.6	7.8
30°-40°	437.5	9.5
40°-50°	398.0	8.7
50°-60°	317.0	6.9
60°-70°	220.8	4.8
70°-80°	117.7	2.6
80°-90°	31.6	0.7
90°-100°	57.9	1.3
100°-110°	171.1	3.7
110°-120°	289.8	6.3
120°-130°	381.4	8.3
130°-140°	427.4	9.3
140°-150°	418.9	9.1
150°-160°	351.8	7.7
160°-170°	233.9	5.1
170°-180°	81.8	1.8
0°-30°	653.7	14.2
0°-40°	1091.2	23.8
0°-60°	1806.2	39.3
0°-90°	2176.3	47.4
90°-120°	518.9	11.3
90°-150°	1746.6	38.0
90°-180°	2414.0	52.6
0°-180°	4590.5	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°	16	1	16	1	16	10
95°	58	44	58	44	58	59
105°	167	154	167	154	167	177
115°	293	290	293	290	293	290
125°	426	423	426	423	426	380
135°	553	551	553	551	553	426
145°	670	667	670	667	670	418
155°	763	763	763	763	763	351
165°	828	830	828	830	828	233
175°	860	863	860	863	860	82
180°	865	865	865	865	865	



TEST NUMBER: P333179-935

CATALOG NUMBER: S125DIP-S610D810U935-4F0-1E-UDD-A1

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°	9.5	10.0	10.2	10.0	10.2	10.1	10.9	10.8	11.5	12.1	12.9
90°	16.2	15.7	15.2	14.8	14.4	13.8	13.0	12.2	11.5	10.8	9.7
92.5°	31.8	31.4	31.1	30.8	30.5	29.8	28.8	27.8	26.9	25.8	24.5
95°	57.9	57.6	57.3	57.0	56.7	56.1	55.0	53.9	52.9	51.8	50.4
97.5°	87.8	87.6	87.4	87.2	87.0	86.5	85.5	84.6	83.5	82.6	80.5
100°	110.4	110.1	109.8	109.5	109.3	108.4	107.0	105.7	104.4	103.0	101.1
102.5°	133.0	132.6	132.2	131.8	131.4	130.4	129.0	127.5	126.1	124.6	123.6
105°	166.9	166.5	166.1	165.7	165.1	164.5	163.6	162.7	161.8	160.9	160.0
107.5°	201.7	201.7	201.7	201.8	201.8	201.6	201.1	200.7	200.3	199.8	199.1
110°	227.6	227.7	227.8	228.0	228.2	228.0	227.6	227.1	226.7	226.2	225.8



TEST NUMBER: P333179-935

CATALOG NUMBER: S125DIP-S610D810U935-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	252.9	253.1	253.4	253.7	254.0	254.0	253.7	253.6	253.4	253.1	252.6
115°	292.9	293.0	293.2	293.3	293.4	293.6	293.8	293.9	294.0	294.2	293.9
117.5°	331.9	332.5	333.1	333.7	334.3	334.6	334.4	334.3	334.2	334.1	333.8
120°	358.9	359.5	360.1	360.7	361.3	361.5	361.5	361.5	361.5	361.5	361.4
122.5°	385.8	386.2	386.8	387.2	387.7	388.0	388.1	388.2	388.3	388.5	388.1
125°	426.2	426.4	426.5	426.6	426.8	427.0	427.3	427.6	427.9	428.2	428.0
127.5°	464.9	465.3	465.5	465.9	466.1	466.4	466.5	466.7	466.8	467.0	466.8
130°	490.8	491.1	491.4	491.7	492.0	492.2	492.4	492.5	492.7	492.8	492.5
132.5°	515.1	515.5	515.9	516.3	516.7	517.0	517.1	517.3	517.5	517.6	517.6
135°	552.8	553.4	554.0	554.6	555.2	555.4	555.4	555.4	555.4	555.4	555.3
137.5°	589.6	590.4	591.2	591.9	592.6	592.9	592.7	592.5	592.4	592.2	591.9
140°	613.4	614.1	614.8	615.6	616.3	616.6	616.2	616.0	615.7	615.4	614.9
142.5°	635.9	636.7	637.5	638.2	638.9	639.2	639.0	638.9	638.7	638.5	637.9
145°	669.9	670.4	670.8	671.2	671.7	671.9	671.9	671.9	671.9	671.9	671.5
147.5°	698.9	699.9	700.9	701.9	702.9	703.3	702.9	702.5	702.1	701.8	701.5
150°	720.4	720.7	721.0	721.3	721.6	721.8	721.8	721.8	721.8	721.8	721.2
152.5°	738.1	738.7	739.3	739.8	740.3	740.4	740.0	739.7	739.3	739.0	738.7
155°	763.4	764.2	765.0	765.7	766.5	766.5	765.9	765.3	764.7	764.1	764.0
157.5°	784.6	785.6	786.6	787.6	788.6	788.8	788.2	787.6	787.0	786.4	786.2
160°	799.2	799.9	800.6	801.4	802.2	802.2	801.6	801.1	800.5	799.9	799.7
162.5°	811.6	812.4	813.3	814.2	815.0	815.1	814.4	813.6	813.0	812.3	812.2
165°	828.1	829.0	829.9	830.8	831.7	831.8	831.3	830.7	830.1	829.5	829.3
167.5°	841.3	842.2	843.2	844.1	845.0	845.1	844.1	843.3	842.3	841.5	841.5
170°	848.3	849.4	850.4	851.4	852.5	852.6	851.7	850.8	849.9	848.9	848.9
172.5°	854.2	855.1	856.1	857.0	858.0	858.0	857.0	856.2	855.2	854.4	854.4
175°	859.8	860.8	861.9	862.9	863.9	864.0	863.2	862.2	861.3	860.4	860.4
177.5°	863.0	863.8	864.7	865.5	866.3	866.4	865.6	865.0	864.3	863.5	863.7
180°	865.1	865.1	865.1	865.1	865.1	865.1	865.1	865.1	865.1	865.1	865.1



TEST NUMBER: P333179-935

CATALOG NUMBER: S125DIP-S610D810U935-4F0-1E-UDD-A1

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°	13.3	12.5	11.3	10.2	8.7	7.7	7.1	7.2	6.6	6.6	7.1
90°	8.7	7.7	6.5	5.4	4.3	3.1	1.9	0.7	1.9	3.1	4.3
92.5°	23.2	22.0	20.7	19.6	18.8	18.0	17.1	16.3	17.1	18.0	18.8
95°	48.8	47.4	45.9	44.9	44.7	44.3	44.1	43.7	44.1	44.3	44.7
97.5°	78.4	76.4	74.3	73.2	73.1	72.9	72.8	72.8	72.8	72.9	73.1
100°	99.1	97.2	95.2	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3
102.5°	122.6	121.6	120.6	119.9	119.2	118.6	118.0	117.4	118.0	118.6	119.2
105°	159.1	158.3	157.3	156.5	155.8	155.0	154.3	153.5	154.3	155.0	155.8
107.5°	198.5	197.8	197.1	196.4	195.6	194.8	194.1	193.4	194.1	194.8	195.6
110°	225.3	224.9	224.5	223.9	223.1	222.3	221.6	220.8	221.6	222.3	223.1



TEST NUMBER: P333179-935

CATALOG NUMBER: S125DIP-S610D810U935-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	252.0	251.4	250.9	250.4	250.0	249.6	249.3	248.8	249.3	249.6	250.0
115°	293.6	293.3	293.0	292.6	292.0	291.4	290.8	290.2	290.8	291.4	292.0
117.5°	333.6	333.3	333.0	332.7	332.4	332.2	331.9	331.7	331.9	332.2	332.4
120°	361.3	361.1	360.9	360.5	359.7	359.0	358.3	357.5	358.3	359.0	359.7
122.5°	387.7	387.3	386.9	386.6	386.3	386.1	385.8	385.5	385.8	386.1	386.3
125°	427.9	427.7	427.6	427.1	426.2	425.2	424.4	423.4	424.4	425.2	426.2
127.5°	466.6	466.4	466.2	465.9	465.4	464.9	464.4	463.9	464.4	464.9	465.4
130°	492.2	491.9	491.6	491.1	490.3	489.7	488.9	488.1	488.9	489.7	490.3
132.5°	517.7	517.8	517.8	517.3	516.0	514.8	513.6	512.4	513.6	514.8	516.0
135°	555.2	555.0	554.8	554.3	553.5	552.5	551.6	550.7	551.6	552.5	553.5
137.5°	591.5	591.2	590.9	590.3	589.4	588.6	587.7	586.9	587.7	588.6	589.4
140°	614.5	614.0	613.5	612.9	612.3	611.5	610.7	610.0	610.7	611.5	612.3
142.5°	637.4	636.8	636.3	635.7	635.0	634.4	633.8	633.2	633.8	634.4	635.0
145°	671.0	670.5	670.1	669.6	669.0	668.4	667.8	667.2	667.8	668.4	669.0
147.5°	701.1	700.8	700.3	700.0	699.7	699.4	699.0	698.7	699.0	699.4	699.7
150°	720.6	720.0	719.4	719.1	719.3	719.5	719.5	719.7	719.5	719.5	719.3
152.5°	738.5	738.2	738.0	737.8	737.6	737.4	737.2	736.9	737.2	737.4	737.6
155°	763.9	763.7	763.5	763.4	763.4	763.4	763.4	763.4	763.4	763.4	763.4
157.5°	786.1	785.9	785.7	785.8	786.2	786.5	786.9	787.2	786.9	786.5	786.2
160°	799.5	799.4	799.3	799.4	799.9	800.3	800.7	801.2	800.7	800.3	799.9
162.5°	812.2	812.1	812.1	812.3	812.6	812.9	813.2	813.6	813.2	812.9	812.6
165°	829.1	829.0	828.9	829.0	829.2	829.6	829.8	830.2	829.8	829.6	829.2
167.5°	841.5	841.5	841.5	841.7	842.3	842.9	843.5	844.1	843.5	842.9	842.3
170°	848.9	848.9	848.9	849.3	849.9	850.5	851.1	851.7	851.1	850.5	849.9
172.5°	854.4	854.4	854.4	854.6	855.2	855.8	856.4	857.0	856.4	855.8	855.2
175°	860.4	860.4	860.4	860.7	861.3	861.9	862.5	863.2	862.5	861.9	861.3
177.5°	863.8	863.9	864.0	864.3	864.8	865.3	865.7	866.3	865.7	865.3	864.8
180°	865.1	865.1	865.1	865.1	865.1	865.1	865.1	865.1	865.1	865.1	865.1



TEST NUMBER: P333179-935

CATALOG NUMBER: S125DIP-S610D810U935-4F0-1E-UDD-A1

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°	7.7	8.4	8.4	8.8	9.0	9.7	9.6	10.8	11.5	12.1	12.1
90°	5.4	6.5	7.7	8.7	9.7	10.8	11.5	12.2	13.0	13.8	14.4
92.5°	19.6	20.7	22.0	23.2	24.5	25.8	26.9	27.8	28.8	29.8	30.5
95°	44.9	45.9	47.4	48.8	50.4	51.8	52.9	53.9	55.0	56.1	56.7
97.5°	73.2	74.3	76.4	78.4	80.5	82.6	83.5	84.6	85.5	86.5	87.0
100°	94.3	95.2	97.2	99.1	101.1	103.0	104.4	105.7	107.0	108.4	109.3
102.5°	119.9	120.6	121.6	122.6	123.6	124.6	126.1	127.5	129.0	130.4	131.4
105°	156.5	157.3	158.3	159.1	160.0	160.9	161.8	162.7	163.6	164.5	165.1
107.5°	196.4	197.1	197.8	198.5	199.1	199.8	200.3	200.7	201.1	201.6	201.8
110°	223.9	224.5	224.9	225.3	225.8	226.2	226.7	227.1	227.6	228.0	228.2



TEST NUMBER: P333179-935

CATALOG NUMBER: S125DIP-S610D810U935-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	250.4	250.9	251.4	252.0	252.6	253.1	253.4	253.6	253.7	254.0	254.0
115°	292.6	293.0	293.3	293.6	293.9	294.2	294.0	293.9	293.8	293.6	293.4
117.5°	332.7	333.0	333.3	333.6	333.8	334.1	334.2	334.3	334.4	334.6	334.3
120°	360.5	360.9	361.1	361.3	361.4	361.5	361.5	361.5	361.5	361.5	361.3
122.5°	386.6	386.9	387.3	387.7	388.1	388.5	388.3	388.2	388.1	388.0	387.7
125°	427.1	427.6	427.7	427.9	428.0	428.2	427.9	427.6	427.3	427.0	426.8
127.5°	465.9	466.2	466.4	466.6	466.8	467.0	466.8	466.7	466.5	466.4	466.1
130°	491.1	491.6	491.9	492.2	492.5	492.8	492.7	492.5	492.4	492.2	492.0
132.5°	517.3	517.8	517.8	517.7	517.6	517.6	517.5	517.3	517.1	517.0	516.7
135°	554.3	554.8	555.0	555.2	555.3	555.4	555.4	555.4	555.4	555.4	555.2
137.5°	590.3	590.9	591.2	591.5	591.9	592.2	592.4	592.5	592.7	592.9	592.6
140°	612.9	613.5	614.0	614.5	614.9	615.4	615.7	616.0	616.2	616.6	616.3
142.5°	635.7	636.3	636.8	637.4	637.9	638.5	638.7	638.9	639.0	639.2	638.9
145°	669.6	670.1	670.5	671.0	671.5	671.9	671.9	671.9	671.9	671.9	671.7
147.5°	700.0	700.3	700.8	701.1	701.5	701.8	702.1	702.5	702.9	703.3	702.9
150°	719.1	719.4	720.0	720.6	721.2	721.8	721.8	721.8	721.8	721.8	721.6
152.5°	737.8	738.0	738.2	738.5	738.7	739.0	739.3	739.7	740.0	740.4	740.3
155°	763.4	763.5	763.7	763.9	764.0	764.1	764.7	765.3	765.9	766.5	766.5
157.5°	785.8	785.7	785.9	786.1	786.2	786.4	787.0	787.6	788.2	788.8	788.6
160°	799.4	799.3	799.4	799.5	799.7	799.9	800.5	801.1	801.6	802.2	802.2
162.5°	812.3	812.1	812.1	812.2	812.2	812.3	813.0	813.6	814.4	815.1	815.0
165°	829.0	828.9	829.0	829.1	829.3	829.5	830.1	830.7	831.3	831.8	831.7
167.5°	841.7	841.5	841.5	841.5	841.5	841.5	842.3	843.3	844.1	845.1	845.0
170°	849.3	848.9	848.9	848.9	848.9	848.9	849.9	850.8	851.7	852.6	852.5
172.5°	854.6	854.4	854.4	854.4	854.4	854.4	855.2	856.2	857.0	858.0	858.0
175°	860.7	860.4	860.4	860.4	860.4	860.4	861.3	862.2	863.2	864.0	863.9
177.5°	864.3	864.0	863.9	863.8	863.7	863.5	864.3	865.0	865.6	866.4	866.3
180°	865.1	865.1	865.1	865.1	865.1	865.1	865.1	865.1	865.1	865.1	865.1



TEST NUMBER: P333179-935

CATALOG NUMBER: S125DIP-S610D810U935-4F0-1E-UDD-A1

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°	12.7	12.5	12.6	13.2	12.6	12.5	12.7	12.1	12.1	11.5	10.8
90°	14.8	15.2	15.7	16.2	15.7	15.2	14.8	14.4	13.8	13.0	12.2
92.5°	30.8	31.1	31.4	31.8	31.4	31.1	30.8	30.5	29.8	28.8	27.8
95°	57.0	57.3	57.6	57.9	57.6	57.3	57.0	56.7	56.1	55.0	53.9
97.5°	87.2	87.4	87.6	87.8	87.6	87.4	87.2	87.0	86.5	85.5	84.6
100°	109.5	109.8	110.1	110.4	110.1	109.8	109.5	109.3	108.4	107.0	105.7
102.5°	131.8	132.2	132.6	133.0	132.6	132.2	131.8	131.4	130.4	129.0	127.5
105°	165.7	166.1	166.5	166.9	166.5	166.1	165.7	165.1	164.5	163.6	162.7
107.5°	201.8	201.7	201.7	201.7	201.7	201.7	201.8	201.8	201.6	201.1	200.7
110°	228.0	227.8	227.7	227.6	227.7	227.8	228.0	228.2	228.0	227.6	227.1



TEST NUMBER: P333179-935

CATALOG NUMBER: S125DIP-S610D810U935-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	253.7	253.4	253.1	252.9	253.1	253.4	253.7	254.0	254.0	253.7	253.6
115°	293.3	293.2	293.0	292.9	293.0	293.2	293.3	293.4	293.6	293.8	293.9
117.5°	333.7	333.1	332.5	331.9	332.5	333.1	333.7	334.3	334.6	334.4	334.3
120°	360.7	360.1	359.5	358.9	359.5	360.1	360.7	361.3	361.5	361.5	361.5
122.5°	387.2	386.8	386.2	385.8	386.2	386.8	387.2	387.7	388.0	388.1	388.2
125°	426.6	426.5	426.4	426.2	426.4	426.5	426.6	426.8	427.0	427.3	427.6
127.5°	465.9	465.5	465.3	464.9	465.3	465.5	465.9	466.1	466.4	466.5	466.7
130°	491.7	491.4	491.1	490.8	491.1	491.4	491.7	492.0	492.2	492.4	492.5
132.5°	516.3	515.9	515.5	515.1	515.5	515.9	516.3	516.7	517.0	517.1	517.3
135°	554.6	554.0	553.4	552.8	553.4	554.0	554.6	555.2	555.4	555.4	555.4
137.5°	591.9	591.2	590.4	589.6	590.4	591.2	591.9	592.6	592.9	592.7	592.5
140°	615.6	614.8	614.1	613.4	614.1	614.8	615.6	616.3	616.6	616.2	616.0
142.5°	638.2	637.5	636.7	635.9	636.7	637.5	638.2	638.9	639.2	639.0	638.9
145°	671.2	670.8	670.4	669.9	670.4	670.8	671.2	671.7	671.9	671.9	671.9
147.5°	701.9	700.9	699.9	698.9	699.9	700.9	701.9	702.9	703.3	702.9	702.5
150°	721.3	721.0	720.7	720.4	720.7	721.0	721.3	721.6	721.8	721.8	721.8
152.5°	739.8	739.3	738.7	738.1	738.7	739.3	739.8	740.3	740.4	740.0	739.7
155°	765.7	765.0	764.2	763.4	764.2	765.0	765.7	766.5	766.5	765.9	765.3
157.5°	787.6	786.6	785.6	784.6	785.6	786.6	787.6	788.6	788.8	788.2	787.6
160°	801.4	800.6	799.9	799.2	799.9	800.6	801.4	802.2	802.2	801.6	801.1
162.5°	814.2	813.3	812.4	811.6	812.4	813.3	814.2	815.0	815.1	814.4	813.6
165°	830.8	829.9	829.0	828.1	829.0	829.9	830.8	831.7	831.8	831.3	830.7
167.5°	844.1	843.2	842.2	841.3	842.2	843.2	844.1	845.0	845.1	844.1	843.3
170°	851.4	850.4	849.4	848.3	849.4	850.4	851.4	852.5	852.6	851.7	850.8
172.5°	857.0	856.1	855.1	854.2	855.1	856.1	857.0	858.0	858.0	857.0	856.2
175°	862.9	861.9	860.8	859.8	860.8	861.9	862.9	863.9	864.0	863.2	862.2
177.5°	865.5	864.7	863.8	863.0	863.8	864.7	865.5	866.3	866.4	865.6	865.0
180°	865.1	865.1	865.1	865.1	865.1	865.1	865.1	865.1	865.1	865.1	865.1



TEST NUMBER: P333179-935

CATALOG NUMBER: S125DIP-S610D810U935-4F0-1E-UDD-A1

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°	9.6	9.7	9.0	8.8	8.4	8.4	7.7	7.1	6.6	6.6	7.2
90°	11.5	10.8	9.7	8.7	7.7	6.5	5.4	4.3	3.1	1.9	0.7
92.5°	26.9	25.8	24.5	23.2	22.0	20.7	19.6	18.8	18.0	17.1	16.3
95°	52.9	51.8	50.4	48.8	47.4	45.9	44.9	44.7	44.3	44.1	43.7
97.5°	83.5	82.6	80.5	78.4	76.4	74.3	73.2	73.1	72.9	72.8	72.8
100°	104.4	103.0	101.1	99.1	97.2	95.2	94.3	94.3	94.3	94.3	94.3
102.5°	126.1	124.6	123.6	122.6	121.6	120.6	119.9	119.2	118.6	118.0	117.4
105°	161.8	160.9	160.0	159.1	158.3	157.3	156.5	155.8	155.0	154.3	153.5
107.5°	200.3	199.8	199.1	198.5	197.8	197.1	196.4	195.6	194.8	194.1	193.4
110°	226.7	226.2	225.8	225.3	224.9	224.5	223.9	223.1	222.3	221.6	220.8



TEST NUMBER: P333179-935

CATALOG NUMBER: S125DIP-S610D810U935-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	253.4	253.1	252.6	252.0	251.4	250.9	250.4	250.0	249.6	249.3	248.8
115°	294.0	294.2	293.9	293.6	293.3	293.0	292.6	292.0	291.4	290.8	290.2
117.5°	334.2	334.1	333.8	333.6	333.3	333.0	332.7	332.4	332.2	331.9	331.7
120°	361.5	361.5	361.4	361.3	361.1	360.9	360.5	359.7	359.0	358.3	357.5
122.5°	388.3	388.5	388.1	387.7	387.3	386.9	386.6	386.3	386.1	385.8	385.5
125°	427.9	428.2	428.0	427.9	427.7	427.6	427.1	426.2	425.2	424.4	423.4
127.5°	466.8	467.0	466.8	466.6	466.4	466.2	465.9	465.4	464.9	464.4	463.9
130°	492.7	492.8	492.5	492.2	491.9	491.6	491.1	490.3	489.7	488.9	488.1
132.5°	517.5	517.6	517.6	517.7	517.8	517.8	517.3	516.0	514.8	513.6	512.4
135°	555.4	555.4	555.3	555.2	555.0	554.8	554.3	553.5	552.5	551.6	550.7
137.5°	592.4	592.2	591.9	591.5	591.2	590.9	590.3	589.4	588.6	587.7	586.9
140°	615.7	615.4	614.9	614.5	614.0	613.5	612.9	612.3	611.5	610.7	610.0
142.5°	638.7	638.5	637.9	637.4	636.8	636.3	635.7	635.0	634.4	633.8	633.2
145°	671.9	671.9	671.5	671.0	670.5	670.1	669.6	669.0	668.4	667.8	667.2
147.5°	702.1	701.8	701.5	701.1	700.8	700.3	700.0	699.7	699.4	699.0	698.7
150°	721.8	721.8	721.2	720.6	720.0	719.4	719.1	719.3	719.5	719.5	719.7
152.5°	739.3	739.0	738.7	738.5	738.2	738.0	737.8	737.6	737.4	737.2	736.9
155°	764.7	764.1	764.0	763.9	763.7	763.5	763.4	763.4	763.4	763.4	763.4
157.5°	787.0	786.4	786.2	786.1	785.9	785.7	785.8	786.2	786.5	786.9	787.2
160°	800.5	799.9	799.7	799.5	799.4	799.3	799.4	799.9	800.3	800.7	801.2
162.5°	813.0	812.3	812.2	812.2	812.1	812.1	812.3	812.6	812.9	813.2	813.6
165°	830.1	829.5	829.3	829.1	829.0	828.9	829.0	829.2	829.6	829.8	830.2
167.5°	842.3	841.5	841.5	841.5	841.5	841.5	841.7	842.3	842.9	843.5	844.1
170°	849.9	848.9	848.9	848.9	848.9	848.9	849.3	849.9	850.5	851.1	851.7
172.5°	855.2	854.4	854.4	854.4	854.4	854.4	854.6	855.2	855.8	856.4	857.0
175°	861.3	860.4	860.4	860.4	860.4	860.4	860.7	861.3	861.9	862.5	863.2
177.5°	864.3	863.5	863.7	863.8	863.9	864.0	864.3	864.8	865.3	865.7	866.3
180°	865.1	865.1	865.1	865.1	865.1	865.1	865.1	865.1	865.1	865.1	865.1



TEST NUMBER: P333179-935

CATALOG NUMBER: S125DIP-S610D810U935-4F0-1E-UDD-A1

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	8.7	10.2	11.3	12.5	13.3	12.9	12.1	11.5	10.8
90°	1.9	3.1	4.3	5.4	6.5	7.7	8.7	9.7	10.8	11.5	12.2
92.5°	17.1	18.0	18.8	19.6	20.7	22.0	23.2	24.5	25.8	26.9	27.8
95°	44.1	44.3	44.7	44.9	45.9	47.4	48.8	50.4	51.8	52.9	53.9
97.5°	72.8	72.9	73.1	73.2	74.3	76.4	78.4	80.5	82.6	83.5	84.6
100°	94.3	94.3	94.3	94.3	95.2	97.2	99.1	101.1	103.0	104.4	105.7
102.5°	118.0	118.6	119.2	119.9	120.6	121.6	122.6	123.6	124.6	126.1	127.5
105°	154.3	155.0	155.8	156.5	157.3	158.3	159.1	160.0	160.9	161.8	162.7
107.5°	194.1	194.8	195.6	196.4	197.1	197.8	198.5	199.1	199.8	200.3	200.7
110°	221.6	222.3	223.1	223.9	224.5	224.9	225.3	225.8	226.2	226.7	227.1



TEST NUMBER: P333179-935

CATALOG NUMBER: S125DIP-S610D810U935-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	249.3	249.6	250.0	250.4	250.9	251.4	252.0	252.6	253.1	253.4	253.6
115°	290.8	291.4	292.0	292.6	293.0	293.3	293.6	293.9	294.2	294.0	293.9
117.5°	331.9	332.2	332.4	332.7	333.0	333.3	333.6	333.8	334.1	334.2	334.3
120°	358.3	359.0	359.7	360.5	360.9	361.1	361.3	361.4	361.5	361.5	361.5
122.5°	385.8	386.1	386.3	386.6	386.9	387.3	387.7	388.1	388.5	388.3	388.2
125°	424.4	425.2	426.2	427.1	427.6	427.7	427.9	428.0	428.2	427.9	427.6
127.5°	464.4	464.9	465.4	465.9	466.2	466.4	466.6	466.8	467.0	466.8	466.7
130°	488.9	489.7	490.3	491.1	491.6	491.9	492.2	492.5	492.8	492.7	492.5
132.5°	513.6	514.8	516.0	517.3	517.8	517.8	517.7	517.6	517.6	517.5	517.3
135°	551.6	552.5	553.5	554.3	554.8	555.0	555.2	555.3	555.4	555.4	555.4
137.5°	587.7	588.6	589.4	590.3	590.9	591.2	591.5	591.9	592.2	592.4	592.5
140°	610.7	611.5	612.3	612.9	613.5	614.0	614.5	614.9	615.4	615.7	616.0
142.5°	633.8	634.4	635.0	635.7	636.3	636.8	637.4	637.9	638.5	638.7	638.9
145°	667.8	668.4	669.0	669.6	670.1	670.5	671.0	671.5	671.9	671.9	671.9
147.5°	699.0	699.4	699.7	700.0	700.3	700.8	701.1	701.5	701.8	702.1	702.5
150°	719.5	719.5	719.3	719.1	719.4	720.0	720.6	721.2	721.8	721.8	721.8
152.5°	737.2	737.4	737.6	737.8	738.0	738.2	738.5	738.7	739.0	739.3	739.7
155°	763.4	763.4	763.4	763.4	763.5	763.7	763.9	764.0	764.1	764.7	765.3
157.5°	786.9	786.5	786.2	785.8	785.7	785.9	786.1	786.2	786.4	787.0	787.6
160°	800.7	800.3	799.9	799.4	799.3	799.4	799.5	799.7	799.9	800.5	801.1
162.5°	813.2	812.9	812.6	812.3	812.1	812.1	812.2	812.2	812.3	813.0	813.6
165°	829.8	829.6	829.2	829.0	828.9	829.0	829.1	829.3	829.5	830.1	830.7
167.5°	843.5	842.9	842.3	841.7	841.5	841.5	841.5	841.5	841.5	842.3	843.3
170°	851.1	850.5	849.9	849.3	848.9	848.9	848.9	848.9	848.9	849.9	850.8
172.5°	856.4	855.8	855.2	854.6	854.4	854.4	854.4	854.4	854.4	855.2	856.2
175°	862.5	861.9	861.3	860.7	860.4	860.4	860.4	860.4	860.4	861.3	862.2
177.5°	865.7	865.3	864.8	864.3	864.0	863.9	863.8	863.7	863.5	864.3	865.0
180°	865.1	865.1	865.1	865.1	865.1	865.1	865.1	865.1	865.1	865.1	865.1



TEST NUMBER: P333179-935

CATALOG NUMBER: S125DIP-S610D810U935-4F0-1E-UDD-A1

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°	10.9	10.1	10.2	10.0	10.2	10.0	9.5
90°	13.0	13.8	14.4	14.8	15.2	15.7	16.2
92.5°	28.8	29.8	30.5	30.8	31.1	31.4	31.8
95°	55.0	56.1	56.7	57.0	57.3	57.6	57.9
97.5°	85.5	86.5	87.0	87.2	87.4	87.6	87.8
100°	107.0	108.4	109.3	109.5	109.8	110.1	110.4
102.5°	129.0	130.4	131.4	131.8	132.2	132.6	133.0
105°	163.6	164.5	165.1	165.7	166.1	166.5	166.9
107.5°	201.1	201.6	201.8	201.8	201.7	201.7	201.7
110°	227.6	228.0	228.2	228.0	227.8	227.7	227.6



TEST NUMBER: P333179-935

CATALOG NUMBER: S125DIP-S610D810U935-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
112.5°	253.7	254.0	254.0	253.7	253.4	253.1	252.9
115°	293.8	293.6	293.4	293.3	293.2	293.0	292.9
117.5°	334.4	334.6	334.3	333.7	333.1	332.5	331.9
120°	361.5	361.5	361.3	360.7	360.1	359.5	358.9
122.5°	388.1	388.0	387.7	387.2	386.8	386.2	385.8
125°	427.3	427.0	426.8	426.6	426.5	426.4	426.2
127.5°	466.5	466.4	466.1	465.9	465.5	465.3	464.9
130°	492.4	492.2	492.0	491.7	491.4	491.1	490.8
132.5°	517.1	517.0	516.7	516.3	515.9	515.5	515.1
135°	555.4	555.4	555.2	554.6	554.0	553.4	552.8
137.5°	592.7	592.9	592.6	591.9	591.2	590.4	589.6
140°	616.2	616.6	616.3	615.6	614.8	614.1	613.4
142.5°	639.0	639.2	638.9	638.2	637.5	636.7	635.9
145°	671.9	671.9	671.7	671.2	670.8	670.4	669.9
147.5°	702.9	703.3	702.9	701.9	700.9	699.9	698.9
150°	721.8	721.8	721.6	721.3	721.0	720.7	720.4
152.5°	740.0	740.4	740.3	739.8	739.3	738.7	738.1
155°	765.9	766.5	766.5	765.7	765.0	764.2	763.4
157.5°	788.2	788.8	788.6	787.6	786.6	785.6	784.6
160°	801.6	802.2	802.2	801.4	800.6	799.9	799.2
162.5°	814.4	815.1	815.0	814.2	813.3	812.4	811.6
165°	831.3	831.8	831.7	830.8	829.9	829.0	828.1
167.5°	844.1	845.1	845.0	844.1	843.2	842.2	841.3
170°	851.7	852.6	852.5	851.4	850.4	849.4	848.3
172.5°	857.0	858.0	858.0	857.0	856.1	855.1	854.2
175°	863.2	864.0	863.9	862.9	861.9	860.8	859.8
177.5°	865.6	866.4	866.3	865.5	864.7	863.8	863.0
180°	865.1	865.1	865.1	865.1	865.1	865.1	865.1

(END OF REPORT)