

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: P333179-927

Luminaire Tested: **S125DIP-S610D810U927-4F0-1E-UDD-A1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P333179-927
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-S610D810U927-4F0-1E-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: 4223.6 lumens
Efficiency: N/A
Efficacy: 110.0 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

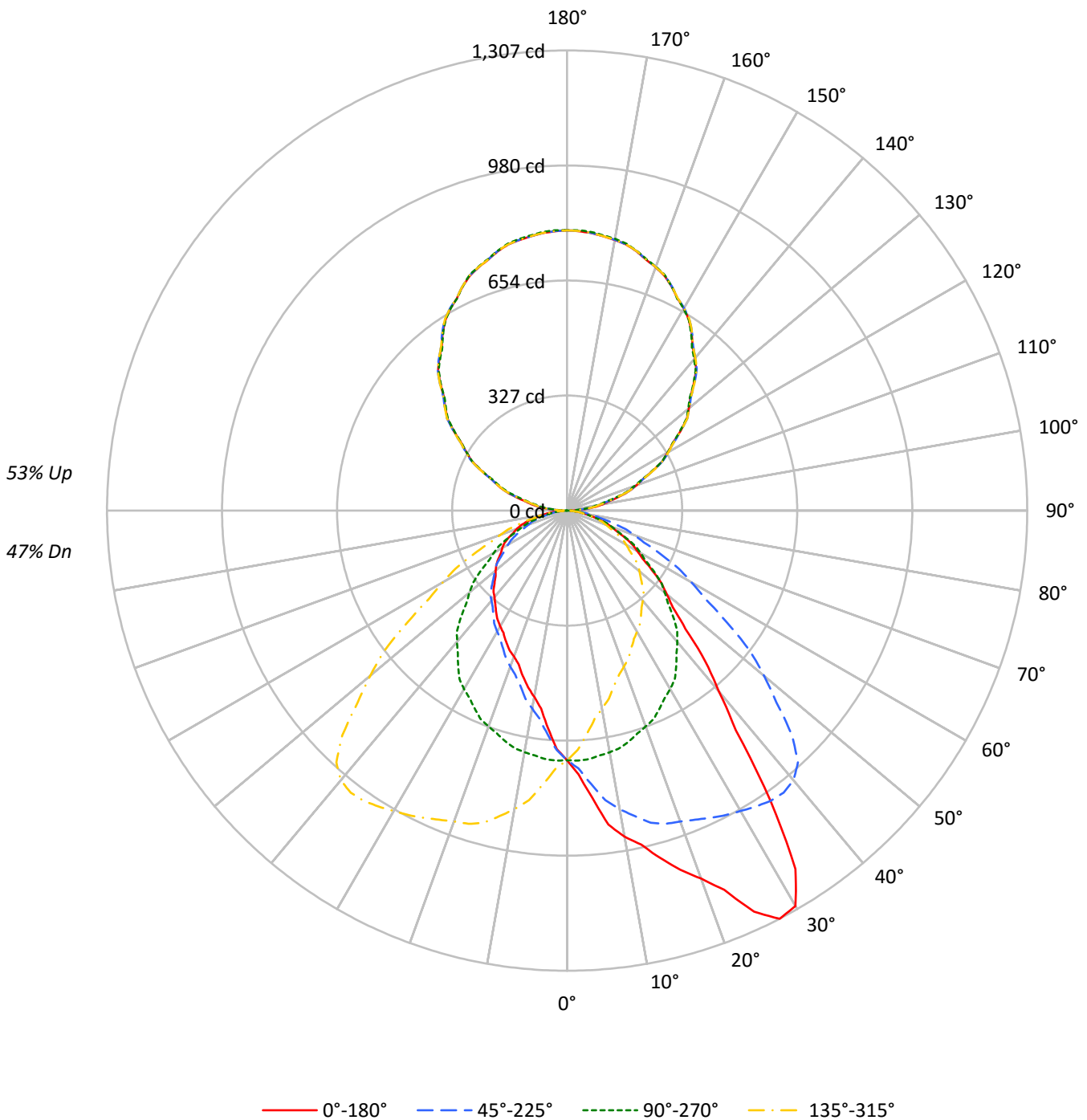
Input Watts (W): 38.4
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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°	4579	4579	4579	4579
5°	5302	4595	4023	4595
10°	6169	4571	3525	4571
15°	6829	4537	3251	4537
20°	7644	4484	3032	4484
25°	8955	4424	2925	4424
30°	9672	4365	2832	4365
35°	7953	4254	2771	4254
40°	5653	4100	2705	4100
45°	4343	3892	2666	3892
50°	3706	3634	2661	3634
55°	3300	3381	2684	3381
60°	2977	3105	2753	3105
65°	2751	2829	2823	2829
70°	2500	2540	2865	2540
75°	2208	2238	2840	2238
80°	1860	1822	2596	1822
85°	1475	1312	2097	1312



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	68.3	1.6
10°-20°	203.2	4.8
20°-30°	330.0	7.8
30°-40°	402.5	9.5
40°-50°	366.2	8.7
50°-60°	291.7	6.9
60°-70°	203.2	4.8
70°-80°	108.3	2.6
80°-90°	29.1	0.7
90°-100°	53.3	1.3
100°-110°	157.4	3.7
110°-120°	266.7	6.3
120°-130°	350.9	8.3
130°-140°	393.2	9.3
140°-150°	385.4	9.1
150°-160°	323.7	7.7
160°-170°	215.2	5.1
170°-180°	75.3	1.8
0°-30°	601.5	14.2
0°-40°	1004.0	23.8
0°-60°	1661.8	39.3
0°-90°	2002.4	47.4
90°-120°	477.4	11.3
90°-150°	1607.0	38.0
90°-180°	2221.0	52.6
0°-180°	4223.6	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	709	709	709	709	709	
5°	818	709	620	709	818	82
15°	1021	679	486	679	1021	292
25°	1257	621	410	621	1257	574
35°	1009	540	352	540	1009	617
45°	476	426	292	426	476	381
55°	293	300	238	300	293	264
65°	180	185	185	185	180	179
75°	88	90	114	90	88	95
85°	20	18	28	18	20	23
90°	15	1	15	1	15	9
95°	53	40	53	40	53	54
105°	154	141	154	141	154	163
115°	270	267	270	267	270	267
125°	392	390	392	390	392	350
135°	509	507	509	507	509	392
145°	616	614	616	614	616	385
155°	702	702	702	702	702	323
165°	762	764	762	764	762	215
175°	791	794	791	794	791	75
180°	796	796	796	796	796	



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	709.0	709.0	709.0	709.0	709.0	709.0	709.0	709.0	709.0	709.0	709.0
2.5°	750.0	748.9	748.0	746.1	747.5	743.4	741.5	738.2	734.0	732.6	730.9
5°	817.9	819.4	820.9	814.6	815.2	811.0	801.4	793.5	787.3	779.1	773.4
7.5°	899.8	896.2	896.0	891.8	884.8	879.2	869.0	856.1	843.7	829.5	817.8
10°	940.7	941.0	938.3	933.5	926.0	920.5	907.3	894.7	879.3	861.3	848.3
12.5°	971.5	972.8	969.4	962.9	959.2	947.1	936.7	921.6	903.4	889.0	869.3
15°	1021.4	1018.0	1015.7	1007.5	1001.2	988.6	972.0	956.3	936.5	918.1	899.8
17.5°	1069.4	1072.1	1067.5	1060.1	1040.5	1025.7	1003.5	982.1	957.4	932.8	910.9
20°	1112.2	1114.7	1107.7	1094.8	1071.3	1056.5	1027.4	999.7	971.1	939.5	915.4
22.5°	1165.7	1163.8	1154.4	1134.7	1114.4	1087.1	1055.6	1021.8	986.0	950.3	918.3
25°	1256.7	1244.0	1238.3	1213.9	1187.2	1147.2	1103.8	1054.5	1010.0	962.7	921.8
27.5°	1307.1	1303.1	1296.8	1279.8	1251.6	1208.9	1157.8	1097.6	1034.7	975.2	921.5
30°	1297.0	1297.6	1298.2	1292.8	1274.8	1242.5	1191.7	1127.0	1052.3	985.2	923.3
32.5°	1207.4	1218.4	1228.9	1241.3	1246.3	1240.2	1208.3	1149.9	1073.1	996.8	922.3
35°	1008.7	1012.0	1046.1	1079.7	1125.5	1161.0	1184.8	1158.9	1094.2	1006.6	921.1
37.5°	786.5	802.8	826.3	864.4	930.4	989.5	1065.6	1100.5	1079.6	1009.8	919.0
40°	670.5	685.6	700.8	739.7	795.4	867.0	953.3	1027.1	1044.3	999.7	911.8
42.5°	580.9	592.9	609.9	639.1	685.6	749.0	831.6	927.9	987.1	970.3	896.7
45°	475.5	483.0	496.2	519.4	553.1	602.8	675.6	780.9	872.7	903.1	860.6
47.5°	406.9	406.9	417.2	433.2	457.6	499.7	553.6	636.1	734.1	806.7	803.3
50°	368.9	367.4	375.6	389.4	408.7	436.7	488.1	554.1	648.2	730.4	753.2
52.5°	336.2	336.4	341.4	351.6	367.7	391.7	430.1	489.5	570.0	654.3	697.4
55°	293.1	291.9	297.6	304.5	316.3	331.9	359.7	405.0	470.3	553.4	609.3
57.5°	253.7	256.9	259.2	264.0	273.8	284.2	307.6	341.0	392.8	464.1	523.2
60°	230.5	233.9	235.6	240.4	248.3	257.3	275.4	302.5	346.1	407.5	466.1
62.5°	209.8	212.4	213.0	217.3	223.7	232.5	246.7	269.4	304.0	357.6	415.1
65°	180.0	180.0	181.2	185.7	188.7	196.5	207.3	223.9	251.6	293.4	342.5
67.5°	151.1	152.7	152.3	154.3	157.1	163.2	171.0	184.6	205.1	235.6	274.9
70°	132.4	133.6	133.3	134.8	137.8	141.7	148.1	161.0	175.7	201.9	235.6
72.5°	115.6	116.1	115.3	117.2	119.1	122.5	129.5	136.4	150.2	172.3	200.0
75°	88.5	89.0	89.7	90.9	92.7	94.5	98.1	105.0	114.1	130.6	148.4
77.5°	66.3	65.2	66.6	66.5	67.5	68.8	72.0	75.7	83.1	93.6	107.3
80°	50.0	50.2	50.2	50.5	52.0	53.0	55.7	58.4	64.1	71.9	81.5
82.5°	36.4	37.2	36.8	37.3	38.6	39.2	40.7	42.9	46.3	52.4	59.4
85°	19.9	18.4	18.9	19.6	19.6	19.9	21.1	21.9	23.8	26.1	28.9
87.5°	8.7	9.2	9.3	9.2	9.3	9.3	10.1	10.0	10.5	11.2	11.9
90°	14.9	14.4	14.0	13.6	13.2	12.7	12.0	11.2	10.6	9.9	9.0
92.5°	29.2	28.9	28.6	28.4	28.0	27.4	26.5	25.6	24.7	23.8	22.6
95°	53.2	53.0	52.8	52.4	52.2	51.6	50.6	49.6	48.6	47.7	46.3
97.5°	80.8	80.6	80.4	80.2	80.1	79.6	78.7	77.8	76.8	76.0	74.1
100°	101.6	101.3	101.0	100.8	100.5	99.7	98.5	97.3	96.0	94.7	93.0
102.5°	122.4	122.0	121.6	121.3	120.9	120.0	118.7	117.3	116.0	114.6	113.7
105°	153.6	153.2	152.8	152.4	151.9	151.4	150.5	149.7	148.9	148.1	147.2
107.5°	185.6	185.6	185.6	185.7	185.7	185.5	185.1	184.7	184.3	183.9	183.2
110°	209.4	209.5	209.6	209.8	209.9	209.8	209.4	209.0	208.6	208.1	207.7



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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	232.7	232.9	233.1	233.4	233.7	233.7	233.5	233.3	233.1	232.9	232.4
115°	269.5	269.6	269.7	269.9	270.0	270.1	270.3	270.5	270.5	270.7	270.5
117.5°	305.4	305.9	306.5	307.0	307.6	307.8	307.7	307.6	307.4	307.4	307.1
120°	330.2	330.7	331.3	331.8	332.4	332.6	332.6	332.6	332.6	332.6	332.5
122.5°	355.0	355.4	355.8	356.2	356.7	357.0	357.1	357.2	357.3	357.4	357.0
125°	392.1	392.3	392.4	392.5	392.7	392.8	393.2	393.4	393.7	394.0	393.8
127.5°	427.8	428.1	428.3	428.6	428.9	429.1	429.2	429.4	429.5	429.7	429.5
130°	451.5	451.9	452.1	452.4	452.7	452.9	453.0	453.1	453.3	453.4	453.1
132.5°	473.9	474.3	474.7	475.1	475.4	475.7	475.8	475.9	476.1	476.3	476.3
135°	508.6	509.1	509.7	510.2	510.8	511.0	511.0	511.0	511.0	511.0	510.9
137.5°	542.5	543.2	543.9	544.5	545.3	545.5	545.3	545.2	545.0	544.9	544.5
140°	564.4	565.0	565.7	566.4	567.0	567.3	567.0	566.7	566.5	566.2	565.8
142.5°	585.1	585.8	586.5	587.2	587.9	588.1	588.0	587.8	587.6	587.5	586.9
145°	616.3	616.8	617.2	617.6	618.0	618.2	618.2	618.2	618.2	618.2	617.8
147.5°	643.0	644.0	644.8	645.8	646.7	647.1	646.7	646.3	646.0	645.7	645.4
150°	662.8	663.1	663.4	663.6	663.9	664.1	664.1	664.1	664.1	664.1	663.5
152.5°	679.1	679.7	680.2	680.6	681.1	681.2	680.9	680.6	680.2	679.9	679.7
155°	702.4	703.1	703.9	704.5	705.2	705.3	704.7	704.2	703.6	703.1	702.9
157.5°	721.9	722.8	723.7	724.6	725.6	725.7	725.2	724.6	724.1	723.5	723.3
160°	735.3	735.9	736.7	737.4	738.1	738.1	737.5	737.0	736.5	735.9	735.8
162.5°	746.7	747.5	748.3	749.1	749.9	750.0	749.3	748.6	748.0	747.3	747.3
165°	761.9	762.7	763.6	764.4	765.2	765.3	764.9	764.3	763.7	763.2	763.0
167.5°	774.0	774.9	775.8	776.7	777.4	777.5	776.7	775.9	775.0	774.2	774.2
170°	780.5	781.5	782.4	783.4	784.3	784.4	783.6	782.8	782.0	781.1	781.1
172.5°	785.9	786.8	787.7	788.5	789.4	789.4	788.5	787.7	786.9	786.1	786.1
175°	791.1	792.0	793.0	793.9	794.9	795.0	794.2	793.3	792.5	791.6	791.6
177.5°	794.0	794.8	795.6	796.3	797.1	797.2	796.5	795.8	795.2	794.5	794.6
180°	796.0	796.0	796.0	796.0	796.0	796.0	796.0	796.0	796.0	796.0	796.0



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CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	709.0	709.0	709.0	709.0	709.0	709.0	709.0	709.0	709.0	709.0	709.0
2.5°	729.4	727.8	725.9	722.5	718.4	716.2	712.9	710.7	706.3	702.7	698.9
5°	766.4	758.7	751.5	742.1	731.9	725.2	717.4	708.7	699.7	690.3	680.1
7.5°	804.8	791.0	775.9	759.7	743.9	729.4	715.4	701.8	689.0	673.6	660.5
10°	830.6	813.1	794.5	772.5	751.1	732.5	713.5	697.0	680.1	662.0	646.1
12.5°	856.3	833.1	806.8	782.6	756.9	734.4	712.1	690.9	669.8	649.7	631.2
15°	874.5	854.1	829.7	795.4	766.4	735.5	706.0	678.6	653.0	630.7	607.3
17.5°	886.5	860.2	833.9	801.1	763.2	728.5	695.1	663.8	634.9	606.7	584.1
20°	888.7	861.6	834.2	802.0	763.2	723.4	690.1	652.4	621.4	592.2	564.5
22.5°	888.0	857.2	827.4	794.2	756.5	719.9	679.5	641.1	607.4	578.8	549.9
25°	881.1	848.3	811.0	777.6	740.3	701.5	660.5	620.8	586.5	553.7	525.1
27.5°	875.4	832.9	790.7	751.7	715.7	680.1	641.0	600.2	562.2	528.9	502.0
30°	868.5	821.8	774.3	733.6	696.6	662.0	625.0	585.3	545.6	513.1	484.2
32.5°	862.2	807.9	757.7	713.4	674.3	640.6	606.5	568.7	529.7	496.7	467.9
35°	850.2	787.3	729.8	679.8	637.9	603.4	574.8	539.6	503.7	471.8	444.2
37.5°	834.8	760.2	698.5	646.1	600.2	563.8	537.2	510.2	475.8	445.0	420.0
40°	822.8	740.9	675.6	622.0	574.5	536.5	511.9	486.3	457.7	429.1	402.7
42.5°	807.6	723.6	652.4	594.8	547.8	510.8	484.9	463.2	438.0	411.3	386.7
45°	779.7	692.1	615.1	553.1	505.6	469.1	442.4	426.1	407.2	381.9	361.2
47.5°	738.7	654.4	574.7	510.7	461.7	427.9	402.8	387.2	373.9	355.1	336.3
50°	702.3	626.2	545.6	482.1	433.0	399.0	375.9	361.7	350.3	335.8	319.9
52.5°	661.7	590.8	517.0	454.2	405.6	372.1	349.4	336.9	327.4	317.0	301.3
55°	597.1	536.9	468.3	408.7	363.8	331.1	311.2	300.3	292.5	284.7	275.0
57.5°	525.9	478.8	418.0	363.5	322.3	292.4	273.9	263.3	257.2	253.2	247.6
60°	475.8	435.5	383.1	333.4	293.1	266.6	248.6	240.4	235.4	232.0	227.8
62.5°	429.3	396.2	347.7	302.4	267.1	242.1	225.9	218.1	213.2	211.6	208.0
65°	360.8	335.3	295.2	257.6	227.5	206.1	192.6	185.1	182.0	180.2	180.5
67.5°	293.3	277.7	245.7	213.6	189.5	171.6	160.7	155.0	153.4	151.1	151.0
70°	252.2	240.4	213.3	185.4	164.0	150.2	140.5	134.5	133.0	131.8	131.5
72.5°	215.8	205.6	182.0	159.6	140.5	128.3	120.3	116.7	114.2	113.5	113.4
75°	162.2	156.5	137.8	120.1	106.9	98.4	93.0	89.7	87.9	87.5	87.9
77.5°	115.3	110.4	98.5	85.9	77.6	71.1	66.5	65.4	63.4	63.5	63.1
80°	86.7	83.3	75.8	65.9	59.0	53.6	51.2	49.0	48.5	47.5	48.5
82.5°	62.8	59.3	54.2	47.8	42.1	38.9	36.4	35.8	35.4	35.0	35.2
85°	31.0	31.3	28.3	23.4	21.1	19.3	17.7	17.7	17.4	17.2	17.4
87.5°	12.2	11.5	10.4	9.4	8.0	7.1	6.6	6.7	6.1	6.1	6.6
90°	8.0	7.1	6.0	5.0	4.0	2.9	1.7	0.6	1.7	2.9	4.0
92.5°	21.4	20.2	19.0	18.1	17.3	16.6	15.8	15.0	15.8	16.6	17.3
95°	44.9	43.6	42.2	41.4	41.1	40.8	40.6	40.2	40.6	40.8	41.1
97.5°	72.2	70.3	68.4	67.3	67.3	67.1	67.0	66.9	67.0	67.1	67.3
100°	91.2	89.4	87.6	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7
102.5°	112.8	111.9	111.0	110.3	109.7	109.2	108.6	108.1	108.6	109.2	109.7
105°	146.4	145.6	144.7	144.0	143.3	142.6	142.0	141.2	142.0	142.6	143.3
107.5°	182.6	182.0	181.3	180.7	180.0	179.3	178.6	177.9	178.6	179.3	180.0
110°	207.3	206.9	206.5	206.0	205.3	204.5	203.9	203.2	203.9	204.5	205.3



TEST NUMBER: P333179-927

CATALOG NUMBER: S125DIP-S610D810U927-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	231.9	231.3	230.8	230.4	230.0	229.7	229.3	228.9	229.3	229.7	230.0
115°	270.1	269.9	269.6	269.2	268.6	268.1	267.5	267.0	267.5	268.1	268.6
117.5°	306.9	306.7	306.4	306.1	305.9	305.6	305.4	305.1	305.4	305.6	305.9
120°	332.4	332.2	332.1	331.7	331.0	330.3	329.6	328.9	329.6	330.3	331.0
122.5°	356.7	356.3	356.0	355.7	355.5	355.2	355.0	354.7	355.0	355.2	355.5
125°	393.7	393.6	393.4	392.9	392.1	391.3	390.5	389.6	390.5	391.3	392.1
127.5°	429.3	429.1	429.0	428.6	428.2	427.7	427.3	426.8	427.3	427.7	428.2
130°	452.9	452.6	452.3	451.9	451.1	450.5	449.8	449.1	449.8	450.5	451.1
132.5°	476.3	476.4	476.4	475.9	474.8	473.6	472.5	471.4	472.5	473.6	474.8
135°	510.8	510.6	510.5	510.0	509.2	508.3	507.6	506.7	507.6	508.3	509.2
137.5°	544.2	544.0	543.7	543.1	542.3	541.5	540.7	540.0	540.7	541.5	542.3
140°	565.4	564.9	564.5	564.0	563.3	562.6	561.9	561.3	561.9	562.6	563.3
142.5°	586.5	585.9	585.4	584.9	584.2	583.7	583.1	582.6	583.1	583.7	584.2
145°	617.3	617.0	616.6	616.1	615.5	615.0	614.4	613.9	614.4	615.0	615.5
147.5°	645.1	644.8	644.4	644.0	643.8	643.5	643.2	642.9	643.2	643.5	643.8
150°	663.0	662.4	661.9	661.6	661.8	661.9	662.0	662.2	662.0	661.9	661.8
152.5°	679.5	679.2	679.1	678.8	678.7	678.4	678.3	678.0	678.3	678.4	678.7
155°	702.8	702.7	702.5	702.4	702.4	702.4	702.4	702.4	702.4	702.4	702.4
157.5°	723.3	723.1	722.9	723.0	723.3	723.7	724.0	724.3	724.0	723.7	723.3
160°	735.6	735.5	735.4	735.5	735.9	736.3	736.7	737.1	736.7	736.3	735.9
162.5°	747.3	747.2	747.2	747.3	747.7	747.9	748.2	748.5	748.2	747.9	747.7
165°	762.9	762.7	762.6	762.7	763.0	763.3	763.5	763.8	763.5	763.3	763.0
167.5°	774.2	774.2	774.2	774.4	775.0	775.5	776.1	776.7	776.1	775.5	775.0
170°	781.1	781.1	781.1	781.4	782.0	782.5	783.1	783.6	783.1	782.5	782.0
172.5°	786.1	786.1	786.1	786.3	786.9	787.4	788.0	788.5	788.0	787.4	786.9
175°	791.6	791.6	791.6	791.9	792.5	793.1	793.6	794.2	793.6	793.1	792.5
177.5°	794.7	794.9	795.0	795.2	795.7	796.1	796.5	797.0	796.5	796.1	795.7
180°	796.0	796.0	796.0	796.0	796.0	796.0	796.0	796.0	796.0	796.0	796.0



TEST NUMBER: P333179-927

CATALOG NUMBER: S125DIP-S610D810U927-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	709.0	709.0	709.0	709.0	709.0	709.0	709.0	709.0	709.0	709.0	709.0
2.5°	696.7	694.0	691.9	687.1	684.4	680.8	677.9	681.0	677.7	679.1	677.0
5°	675.0	666.5	660.5	651.8	644.3	637.4	632.2	631.4	628.9	627.7	624.2
7.5°	648.9	638.3	628.0	616.6	606.9	597.1	590.8	585.7	582.3	577.7	574.6
10°	633.4	619.3	607.3	593.4	581.4	570.8	562.4	558.3	554.3	548.6	546.5
12.5°	614.4	599.8	585.1	570.3	558.8	547.0	539.8	533.5	530.8	524.3	523.6
15°	591.6	569.7	555.2	540.2	524.2	514.6	508.6	501.7	498.7	494.2	490.8
17.5°	564.4	544.8	526.7	511.2	497.5	489.4	481.9	477.1	472.0	469.1	463.6
20°	544.7	526.0	507.9	491.4	480.9	471.6	465.6	461.1	455.6	454.1	448.7
22.5°	528.1	507.5	490.1	476.3	464.8	454.2	447.7	444.7	440.9	436.3	435.2
25°	501.1	479.7	464.9	451.1	440.8	431.3	426.7	422.8	419.2	415.9	414.7
27.5°	477.7	458.6	441.1	428.6	419.7	410.9	406.9	402.2	399.5	396.9	393.6
30°	461.4	441.8	426.4	414.4	404.7	397.0	392.7	389.4	387.0	384.6	382.8
32.5°	444.5	426.4	411.5	399.7	390.1	384.2	380.4	378.1	375.4	372.6	370.3
35°	422.2	402.3	387.9	377.6	370.1	365.6	361.4	359.3	356.3	356.3	353.9
37.5°	397.1	379.9	367.2	357.8	351.1	347.1	342.5	341.1	339.1	337.9	337.1
40°	382.1	366.2	354.2	344.8	337.6	334.3	330.7	328.3	327.1	325.6	325.0
42.5°	366.8	351.6	340.0	331.4	325.1	322.3	318.9	317.3	314.8	312.8	312.5
45°	343.3	328.6	318.1	311.2	305.8	302.5	300.3	296.8	295.5	293.1	292.8
47.5°	321.2	307.0	296.7	291.0	286.2	283.5	280.2	276.6	275.2	274.0	273.9
50°	304.5	291.6	281.9	276.6	272.0	268.2	264.8	262.4	261.5	261.5	262.1
52.5°	287.7	276.7	268.5	261.9	257.6	253.4	250.4	248.9	247.6	249.0	250.1
55°	263.0	251.9	245.9	239.6	235.4	230.5	229.0	228.4	227.5	229.9	231.1
57.5°	236.9	229.1	222.0	215.8	212.0	209.2	207.2	206.8	208.5	209.6	213.6
60°	220.3	211.3	204.9	200.1	195.6	193.8	193.2	192.6	193.8	197.1	202.2
62.5°	202.0	194.6	187.8	184.3	180.9	177.9	177.8	178.2	180.5	184.3	189.5
65°	175.2	168.8	164.3	160.1	157.4	155.6	156.2	157.4	160.1	165.2	171.0
67.5°	147.9	143.5	139.5	136.1	133.5	133.5	134.1	135.9	139.1	145.0	150.2
70°	130.3	125.5	122.2	120.6	118.6	117.4	119.1	122.2	124.8	130.3	134.8
72.5°	112.7	108.6	106.1	105.0	104.1	103.1	103.8	107.0	110.7	116.1	121.4
75°	86.7	85.2	83.3	82.1	81.3	81.8	82.5	85.5	88.5	94.2	100.2
77.5°	63.3	61.7	60.6	60.3	59.8	60.1	61.8	64.0	67.0	71.1	75.7
80°	47.8	47.2	46.7	46.3	46.3	46.7	49.0	50.5	53.2	57.2	60.8
82.5°	34.9	34.5	34.4	34.3	34.5	34.6	36.0	38.0	40.2	43.3	46.3
85°	18.4	17.7	18.7	18.9	18.4	19.3	19.9	21.1	21.9	23.4	25.0
87.5°	7.1	7.7	7.7	8.1	8.3	9.0	8.9	10.0	10.6	11.2	11.1
90°	5.0	6.0	7.1	8.0	9.0	9.9	10.6	11.2	12.0	12.7	13.2
92.5°	18.1	19.0	20.2	21.4	22.6	23.8	24.7	25.6	26.5	27.4	28.0
95°	41.4	42.2	43.6	44.9	46.3	47.7	48.6	49.6	50.6	51.6	52.2
97.5°	67.3	68.4	70.3	72.2	74.1	76.0	76.8	77.8	78.7	79.6	80.1
100°	86.7	87.6	89.4	91.2	93.0	94.7	96.0	97.3	98.5	99.7	100.5
102.5°	110.3	111.0	111.9	112.8	113.7	114.6	116.0	117.3	118.7	120.0	120.9
105°	144.0	144.7	145.6	146.4	147.2	148.1	148.9	149.7	150.5	151.4	151.9
107.5°	180.7	181.3	182.0	182.6	183.2	183.9	184.3	184.7	185.1	185.5	185.7
110°	206.0	206.5	206.9	207.3	207.7	208.1	208.6	209.0	209.4	209.8	209.9



TEST NUMBER: P333179-927

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CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	230.4	230.8	231.3	231.9	232.4	232.9	233.1	233.3	233.5	233.7	233.7
115°	269.2	269.6	269.9	270.1	270.5	270.7	270.5	270.5	270.3	270.1	270.0
117.5°	306.1	306.4	306.7	306.9	307.1	307.4	307.4	307.6	307.7	307.8	307.6
120°	331.7	332.1	332.2	332.4	332.5	332.6	332.6	332.6	332.6	332.6	332.4
122.5°	355.7	356.0	356.3	356.7	357.0	357.4	357.3	357.2	357.1	357.0	356.7
125°	392.9	393.4	393.6	393.7	393.8	394.0	393.7	393.4	393.2	392.8	392.7
127.5°	428.6	429.0	429.1	429.3	429.5	429.7	429.5	429.4	429.2	429.1	428.9
130°	451.9	452.3	452.6	452.9	453.1	453.4	453.3	453.1	453.0	452.9	452.7
132.5°	475.9	476.4	476.4	476.3	476.3	476.3	476.1	475.9	475.8	475.7	475.4
135°	510.0	510.5	510.6	510.8	510.9	511.0	511.0	511.0	511.0	511.0	510.8
137.5°	543.1	543.7	544.0	544.2	544.5	544.9	545.0	545.2	545.3	545.5	545.3
140°	564.0	564.5	564.9	565.4	565.8	566.2	566.5	566.7	567.0	567.3	567.0
142.5°	584.9	585.4	585.9	586.5	586.9	587.5	587.6	587.8	588.0	588.1	587.9
145°	616.1	616.6	617.0	617.3	617.8	618.2	618.2	618.2	618.2	618.2	618.0
147.5°	644.0	644.4	644.8	645.1	645.4	645.7	646.0	646.3	646.7	647.1	646.7
150°	661.6	661.9	662.4	663.0	663.5	664.1	664.1	664.1	664.1	664.1	663.9
152.5°	678.8	679.1	679.2	679.5	679.7	679.9	680.2	680.6	680.9	681.2	681.1
155°	702.4	702.5	702.7	702.8	702.9	703.1	703.6	704.2	704.7	705.3	705.2
157.5°	723.0	722.9	723.1	723.3	723.3	723.5	724.1	724.6	725.2	725.7	725.6
160°	735.5	735.4	735.5	735.6	735.8	735.9	736.5	737.0	737.5	738.1	738.1
162.5°	747.3	747.2	747.2	747.3	747.3	747.3	748.0	748.6	749.3	750.0	749.9
165°	762.7	762.6	762.7	762.9	763.0	763.2	763.7	764.3	764.9	765.3	765.2
167.5°	774.4	774.2	774.2	774.2	774.2	774.2	775.0	775.9	776.7	777.5	777.4
170°	781.4	781.1	781.1	781.1	781.1	781.1	782.0	782.8	783.6	784.4	784.3
172.5°	786.3	786.1	786.1	786.1	786.1	786.1	786.9	787.7	788.5	789.4	789.4
175°	791.9	791.6	791.6	791.6	791.6	791.6	792.5	793.3	794.2	795.0	794.9
177.5°	795.2	795.0	794.9	794.7	794.6	794.5	795.2	795.8	796.5	797.2	797.1
180°	796.0	796.0	796.0	796.0	796.0	796.0	796.0	796.0	796.0	796.0	796.0



TEST NUMBER: P333179-927

CATALOG NUMBER: S125DIP-S610D810U927-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	709.0	709.0	709.0	709.0	709.0	709.0	709.0	709.0	709.0	709.0	709.0
2.5°	675.5	677.2	675.8	677.7	675.8	677.2	675.5	677.0	679.1	677.7	681.0
5°	622.7	619.9	621.7	620.5	621.7	619.9	622.7	624.2	627.7	628.9	631.4
7.5°	573.8	571.2	568.2	566.8	568.2	571.2	573.8	574.6	577.7	582.3	585.7
10°	543.2	539.9	539.6	537.5	539.6	539.9	543.2	546.5	548.6	554.3	558.3
12.5°	520.8	517.7	514.3	513.4	514.3	517.7	520.8	523.6	524.3	530.8	533.5
15°	489.0	486.6	484.5	486.3	484.5	486.6	489.0	490.8	494.2	498.7	501.7
17.5°	462.6	460.6	460.3	458.0	460.3	460.6	462.6	463.6	469.1	472.0	477.1
20°	446.0	444.5	445.0	441.2	445.0	444.5	446.0	448.7	454.1	455.6	461.1
22.5°	432.8	429.8	429.4	428.6	429.4	429.8	432.8	435.2	436.3	440.9	444.7
25°	412.0	410.5	409.0	410.5	409.0	410.5	412.0	414.7	415.9	419.2	422.8
27.5°	393.9	392.1	391.7	391.8	391.7	392.1	393.9	393.6	396.9	399.5	402.2
30°	382.8	379.8	380.1	379.8	380.1	379.8	382.8	382.8	384.6	387.0	389.4
32.5°	370.7	368.7	368.3	367.7	368.3	368.7	370.7	370.3	372.6	375.4	378.1
35°	353.0	353.0	351.5	351.5	351.5	353.0	353.0	353.9	356.3	356.3	359.3
37.5°	336.3	336.0	335.1	335.3	335.1	336.0	336.3	337.1	337.9	339.1	341.1
40°	323.8	323.5	322.6	320.8	322.6	323.5	323.8	325.0	325.6	327.1	328.3
42.5°	311.8	310.8	310.3	309.7	310.3	310.8	311.8	312.5	312.8	314.8	317.3
45°	292.8	292.8	292.2	291.9	292.2	292.8	292.8	292.8	293.1	295.5	296.8
47.5°	274.4	275.0	276.1	275.9	276.1	275.0	274.4	273.9	274.0	275.2	276.6
50°	263.3	263.6	264.5	264.8	264.5	263.6	263.3	262.1	261.5	261.5	262.4
52.5°	251.0	252.8	253.9	253.7	253.9	252.8	251.0	250.1	249.0	247.6	248.9
55°	233.9	235.9	238.1	238.4	238.1	235.9	233.9	231.1	229.9	227.5	228.4
57.5°	216.8	219.8	222.0	222.7	222.0	219.8	216.8	213.6	209.6	208.5	206.8
60°	205.3	209.1	211.8	213.1	211.8	209.1	205.3	202.2	197.1	193.8	192.6
62.5°	194.2	198.5	201.3	201.5	201.3	198.5	194.2	189.5	184.3	180.5	178.2
65°	176.0	180.5	183.0	184.7	183.0	180.5	176.0	171.0	165.2	160.1	157.4
67.5°	156.5	161.1	163.7	165.2	163.7	161.1	156.5	150.2	145.0	139.1	135.9
70°	142.4	146.9	150.4	151.7	150.4	146.9	142.4	134.8	130.3	124.8	122.2
72.5°	128.4	132.4	135.3	136.7	135.3	132.4	128.4	121.4	116.1	110.7	107.0
75°	104.1	109.6	112.3	113.8	112.3	109.6	104.1	100.2	94.2	88.5	85.5
77.5°	80.3	85.2	86.8	87.6	86.8	85.2	80.3	75.7	71.1	67.0	64.0
80°	64.4	67.4	69.6	69.8	69.6	67.4	64.4	60.8	57.2	53.2	50.5
82.5°	49.5	52.0	52.7	53.5	52.7	52.0	49.5	46.3	43.3	40.2	38.0
85°	27.1	28.3	28.6	28.3	28.6	28.3	27.1	25.0	23.4	21.9	21.1
87.5°	11.6	11.5	11.6	12.1	11.6	11.5	11.6	11.1	11.2	10.6	10.0
90°	13.6	14.0	14.4	14.9	14.4	14.0	13.6	13.2	12.7	12.0	11.2
92.5°	28.4	28.6	28.9	29.2	28.9	28.6	28.4	28.0	27.4	26.5	25.6
95°	52.4	52.8	53.0	53.2	53.0	52.8	52.4	52.2	51.6	50.6	49.6
97.5°	80.2	80.4	80.6	80.8	80.6	80.4	80.2	80.1	79.6	78.7	77.8
100°	100.8	101.0	101.3	101.6	101.3	101.0	100.8	100.5	99.7	98.5	97.3
102.5°	121.3	121.6	122.0	122.4	122.0	121.6	121.3	120.9	120.0	118.7	117.3
105°	152.4	152.8	153.2	153.6	153.2	152.8	152.4	151.9	151.4	150.5	149.7
107.5°	185.7	185.6	185.6	185.6	185.6	185.6	185.7	185.7	185.5	185.1	184.7
110°	209.8	209.6	209.5	209.4	209.5	209.6	209.8	209.9	209.8	209.4	209.0



TEST NUMBER: P333179-927

CATALOG NUMBER: S125DIP-S610D810U927-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	233.4	233.1	232.9	232.7	232.9	233.1	233.4	233.7	233.7	233.5	233.3
115°	269.9	269.7	269.6	269.5	269.6	269.7	269.9	270.0	270.1	270.3	270.5
117.5°	307.0	306.5	305.9	305.4	305.9	306.5	307.0	307.6	307.8	307.7	307.6
120°	331.8	331.3	330.7	330.2	330.7	331.3	331.8	332.4	332.6	332.6	332.6
122.5°	356.2	355.8	355.4	355.0	355.4	355.8	356.2	356.7	357.0	357.1	357.2
125°	392.5	392.4	392.3	392.1	392.3	392.4	392.5	392.7	392.8	393.2	393.4
127.5°	428.6	428.3	428.1	427.8	428.1	428.3	428.6	428.9	429.1	429.2	429.4
130°	452.4	452.1	451.9	451.5	451.9	452.1	452.4	452.7	452.9	453.0	453.1
132.5°	475.1	474.7	474.3	473.9	474.3	474.7	475.1	475.4	475.7	475.8	475.9
135°	510.2	509.7	509.1	508.6	509.1	509.7	510.2	510.8	511.0	511.0	511.0
137.5°	544.5	543.9	543.2	542.5	543.2	543.9	544.5	545.3	545.5	545.3	545.2
140°	566.4	565.7	565.0	564.4	565.0	565.7	566.4	567.0	567.3	567.0	566.7
142.5°	587.2	586.5	585.8	585.1	585.8	586.5	587.2	587.9	588.1	588.0	587.8
145°	617.6	617.2	616.8	616.3	616.8	617.2	617.6	618.0	618.2	618.2	618.2
147.5°	645.8	644.8	644.0	643.0	644.0	644.8	645.8	646.7	647.1	646.7	646.3
150°	663.6	663.4	663.1	662.8	663.1	663.4	663.6	663.9	664.1	664.1	664.1
152.5°	680.6	680.2	679.7	679.1	679.7	680.2	680.6	681.1	681.2	680.9	680.6
155°	704.5	703.9	703.1	702.4	703.1	703.9	704.5	705.2	705.3	704.7	704.2
157.5°	724.6	723.7	722.8	721.9	722.8	723.7	724.6	725.6	725.7	725.2	724.6
160°	737.4	736.7	735.9	735.3	735.9	736.7	737.4	738.1	738.1	737.5	737.0
162.5°	749.1	748.3	747.5	746.7	747.5	748.3	749.1	749.9	750.0	749.3	748.6
165°	764.4	763.6	762.7	761.9	762.7	763.6	764.4	765.2	765.3	764.9	764.3
167.5°	776.7	775.8	774.9	774.0	774.9	775.8	776.7	777.4	777.5	776.7	775.9
170°	783.4	782.4	781.5	780.5	781.5	782.4	783.4	784.3	784.4	783.6	782.8
172.5°	788.5	787.7	786.8	785.9	786.8	787.7	788.5	789.4	789.4	788.5	787.7
175°	793.9	793.0	792.0	791.1	792.0	793.0	793.9	794.9	795.0	794.2	793.3
177.5°	796.3	795.6	794.8	794.0	794.8	795.6	796.3	797.1	797.2	796.5	795.8
180°	796.0	796.0	796.0	796.0	796.0	796.0	796.0	796.0	796.0	796.0	796.0



TEST NUMBER: P333179-927

CATALOG NUMBER: S125DIP-S610D810U927-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	709.0	709.0	709.0	709.0	709.0	709.0	709.0	709.0	709.0	709.0	709.0
2.5°	677.9	680.8	684.4	687.1	691.9	694.0	696.7	698.9	702.7	706.3	710.7
5°	632.2	637.4	644.3	651.8	660.5	666.5	675.0	680.1	690.3	699.7	708.7
7.5°	590.8	597.1	606.9	616.6	628.0	638.3	648.9	660.5	673.6	689.0	701.8
10°	562.4	570.8	581.4	593.4	607.3	619.3	633.4	646.1	662.0	680.1	697.0
12.5°	539.8	547.0	558.8	570.3	585.1	599.8	614.4	631.2	649.7	669.8	690.9
15°	508.6	514.6	524.2	540.2	555.2	569.7	591.6	607.3	630.7	653.0	678.6
17.5°	481.9	489.4	497.5	511.2	526.7	544.8	564.4	584.1	606.7	634.9	663.8
20°	465.6	471.6	480.9	491.4	507.9	526.0	544.7	564.5	592.2	621.4	652.4
22.5°	447.7	454.2	464.8	476.3	490.1	507.5	528.1	549.9	578.8	607.4	641.1
25°	426.7	431.3	440.8	451.1	464.9	479.7	501.1	525.1	553.7	586.5	620.8
27.5°	406.9	410.9	419.7	428.6	441.1	458.6	477.7	502.0	528.9	562.2	600.2
30°	392.7	397.0	404.7	414.4	426.4	441.8	461.4	484.2	513.1	545.6	585.3
32.5°	380.4	384.2	390.1	399.7	411.5	426.4	444.5	467.9	496.7	529.7	568.7
35°	361.4	365.6	370.1	377.6	387.9	402.3	422.2	444.2	471.8	503.7	539.6
37.5°	342.5	347.1	351.1	357.8	367.2	379.9	397.1	420.0	445.0	475.8	510.2
40°	330.7	334.3	337.6	344.8	354.2	366.2	382.1	402.7	429.1	457.7	486.3
42.5°	318.9	322.3	325.1	331.4	340.0	351.6	366.8	386.7	411.3	438.0	463.2
45°	300.3	302.5	305.8	311.2	318.1	328.6	343.3	361.2	381.9	407.2	426.1
47.5°	280.2	283.5	286.2	291.0	296.7	307.0	321.2	336.3	355.1	373.9	387.2
50°	264.8	268.2	272.0	276.6	281.9	291.6	304.5	319.9	335.8	350.3	361.7
52.5°	250.4	253.4	257.6	261.9	268.5	276.7	287.7	301.3	317.0	327.4	336.9
55°	229.0	230.5	235.4	239.6	245.9	251.9	263.0	275.0	284.7	292.5	300.3
57.5°	207.2	209.2	212.0	215.8	222.0	229.1	236.9	247.6	253.2	257.2	263.3
60°	193.2	193.8	195.6	200.1	204.9	211.3	220.3	227.8	232.0	235.4	240.4
62.5°	177.8	177.9	180.9	184.3	187.8	194.6	202.0	208.0	211.6	213.2	218.1
65°	156.2	155.6	157.4	160.1	164.3	168.8	175.2	180.5	180.2	182.0	185.1
67.5°	134.1	133.5	133.5	136.1	139.5	143.5	147.9	151.0	151.1	153.4	155.0
70°	119.1	117.4	118.6	120.6	122.2	125.5	130.3	131.5	131.8	133.0	134.5
72.5°	103.8	103.1	104.1	105.0	106.1	108.6	112.7	113.4	113.5	114.2	116.7
75°	82.5	81.8	81.3	82.1	83.3	85.2	86.7	87.9	87.5	87.9	89.7
77.5°	61.8	60.1	59.8	60.3	60.6	61.7	63.3	63.1	63.5	63.4	65.4
80°	49.0	46.7	46.3	46.3	46.7	47.2	47.8	48.5	47.5	48.5	49.0
82.5°	36.0	34.6	34.5	34.3	34.4	34.5	34.9	35.2	35.0	35.4	35.8
85°	19.9	19.3	18.4	18.9	18.7	17.7	18.4	17.4	17.2	17.4	17.7
87.5°	8.9	9.0	8.3	8.1	7.7	7.7	7.1	6.6	6.1	6.1	6.7
90°	10.6	9.9	9.0	8.0	7.1	6.0	5.0	4.0	2.9	1.7	0.6
92.5°	24.7	23.8	22.6	21.4	20.2	19.0	18.1	17.3	16.6	15.8	15.0
95°	48.6	47.7	46.3	44.9	43.6	42.2	41.4	41.1	40.8	40.6	40.2
97.5°	76.8	76.0	74.1	72.2	70.3	68.4	67.3	67.3	67.1	67.0	66.9
100°	96.0	94.7	93.0	91.2	89.4	87.6	86.7	86.7	86.7	86.7	86.7
102.5°	116.0	114.6	113.7	112.8	111.9	111.0	110.3	109.7	109.2	108.6	108.1
105°	148.9	148.1	147.2	146.4	145.6	144.7	144.0	143.3	142.6	142.0	141.2
107.5°	184.3	183.9	183.2	182.6	182.0	181.3	180.7	180.0	179.3	178.6	177.9
110°	208.6	208.1	207.7	207.3	206.9	206.5	206.0	205.3	204.5	203.9	203.2



TEST NUMBER: P333179-927

CATALOG NUMBER: S125DIP-S610D810U927-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	233.1	232.9	232.4	231.9	231.3	230.8	230.4	230.0	229.7	229.3	228.9
115°	270.5	270.7	270.5	270.1	269.9	269.6	269.2	268.6	268.1	267.5	267.0
117.5°	307.4	307.4	307.1	306.9	306.7	306.4	306.1	305.9	305.6	305.4	305.1
120°	332.6	332.6	332.5	332.4	332.2	332.1	331.7	331.0	330.3	329.6	328.9
122.5°	357.3	357.4	357.0	356.7	356.3	356.0	355.7	355.5	355.2	355.0	354.7
125°	393.7	394.0	393.8	393.7	393.6	393.4	392.9	392.1	391.3	390.5	389.6
127.5°	429.5	429.7	429.5	429.3	429.1	429.0	428.6	428.2	427.7	427.3	426.8
130°	453.3	453.4	453.1	452.9	452.6	452.3	451.9	451.1	450.5	449.8	449.1
132.5°	476.1	476.3	476.3	476.3	476.4	476.4	475.9	474.8	473.6	472.5	471.4
135°	511.0	511.0	510.9	510.8	510.6	510.5	510.0	509.2	508.3	507.6	506.7
137.5°	545.0	544.9	544.5	544.2	544.0	543.7	543.1	542.3	541.5	540.7	540.0
140°	566.5	566.2	565.8	565.4	564.9	564.5	564.0	563.3	562.6	561.9	561.3
142.5°	587.6	587.5	586.9	586.5	585.9	585.4	584.9	584.2	583.7	583.1	582.6
145°	618.2	618.2	617.8	617.3	617.0	616.6	616.1	615.5	615.0	614.4	613.9
147.5°	646.0	645.7	645.4	645.1	644.8	644.4	644.0	643.8	643.5	643.2	642.9
150°	664.1	664.1	663.5	663.0	662.4	661.9	661.6	661.8	661.9	662.0	662.2
152.5°	680.2	679.9	679.7	679.5	679.2	679.1	678.8	678.7	678.4	678.3	678.0
155°	703.6	703.1	702.9	702.8	702.7	702.5	702.4	702.4	702.4	702.4	702.4
157.5°	724.1	723.5	723.3	723.3	723.1	722.9	723.0	723.3	723.7	724.0	724.3
160°	736.5	735.9	735.8	735.6	735.5	735.4	735.5	735.9	736.3	736.7	737.1
162.5°	748.0	747.3	747.3	747.3	747.2	747.2	747.3	747.7	747.9	748.2	748.5
165°	763.7	763.2	763.0	762.9	762.7	762.6	762.7	763.0	763.3	763.5	763.8
167.5°	775.0	774.2	774.2	774.2	774.2	774.2	774.4	775.0	775.5	776.1	776.7
170°	782.0	781.1	781.1	781.1	781.1	781.1	781.4	782.0	782.5	783.1	783.6
172.5°	786.9	786.1	786.1	786.1	786.1	786.1	786.3	786.9	787.4	788.0	788.5
175°	792.5	791.6	791.6	791.6	791.6	791.6	791.9	792.5	793.1	793.6	794.2
177.5°	795.2	794.5	794.6	794.7	794.9	795.0	795.2	795.7	796.1	796.5	797.0
180°	796.0	796.0	796.0	796.0	796.0	796.0	796.0	796.0	796.0	796.0	796.0



TEST NUMBER: P333179-927

CATALOG NUMBER: S125DIP-S610D810U927-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	709.0	709.0	709.0	709.0	709.0	709.0	709.0	709.0	709.0	709.0	709.0
2.5°	712.9	716.2	718.4	722.5	725.9	727.8	729.4	730.9	732.6	734.0	738.2
5°	717.4	725.2	731.9	742.1	751.5	758.7	766.4	773.4	779.1	787.3	793.5
7.5°	715.4	729.4	743.9	759.7	775.9	791.0	804.8	817.8	829.5	843.7	856.1
10°	713.5	732.5	751.1	772.5	794.5	813.1	830.6	848.3	861.3	879.3	894.7
12.5°	712.1	734.4	756.9	782.6	806.8	833.1	856.3	869.3	889.0	903.4	921.6
15°	706.0	735.5	766.4	795.4	829.7	854.1	874.5	899.8	918.1	936.5	956.3
17.5°	695.1	728.5	763.2	801.1	833.9	860.2	886.5	910.9	932.8	957.4	982.1
20°	690.1	723.4	763.2	802.0	834.2	861.6	888.7	915.4	939.5	971.1	999.7
22.5°	679.5	719.9	756.5	794.2	827.4	857.2	888.0	918.3	950.3	986.0	1021.8
25°	660.5	701.5	740.3	777.6	811.0	848.3	881.1	921.8	962.7	1010.0	1054.5
27.5°	641.0	680.1	715.7	751.7	790.7	832.9	875.4	921.5	975.2	1034.7	1097.6
30°	625.0	662.0	696.6	733.6	774.3	821.8	868.5	923.3	985.2	1052.3	1127.0
32.5°	606.5	640.6	674.3	713.4	757.7	807.9	862.2	922.3	996.8	1073.1	1149.9
35°	574.8	603.4	637.9	679.8	729.8	787.3	850.2	921.1	1006.6	1094.2	1158.9
37.5°	537.2	563.8	600.2	646.1	698.5	760.2	834.8	919.0	1009.8	1079.6	1100.5
40°	511.9	536.5	574.5	622.0	675.6	740.9	822.8	911.8	999.7	1044.3	1027.1
42.5°	484.9	510.8	547.8	594.8	652.4	723.6	807.6	896.7	970.3	987.1	927.9
45°	442.4	469.1	505.6	553.1	615.1	692.1	779.7	860.6	903.1	872.7	780.9
47.5°	402.8	427.9	461.7	510.7	574.7	654.4	738.7	803.3	806.7	734.1	636.1
50°	375.9	399.0	433.0	482.1	545.6	626.2	702.3	753.2	730.4	648.2	554.1
52.5°	349.4	372.1	405.6	454.2	517.0	590.8	661.7	697.4	654.3	570.0	489.5
55°	311.2	331.1	363.8	408.7	468.3	536.9	597.1	609.3	553.4	470.3	405.0
57.5°	273.9	292.4	322.3	363.5	418.0	478.8	525.9	523.2	464.1	392.8	341.0
60°	248.6	266.6	293.1	333.4	383.1	435.5	475.8	466.1	407.5	346.1	302.5
62.5°	225.9	242.1	267.1	302.4	347.7	396.2	429.3	415.1	357.6	304.0	269.4
65°	192.6	206.1	227.5	257.6	295.2	335.3	360.8	342.5	293.4	251.6	223.9
67.5°	160.7	171.6	189.5	213.6	245.7	277.7	293.3	274.9	235.6	205.1	184.6
70°	140.5	150.2	164.0	185.4	213.3	240.4	252.2	235.6	201.9	175.7	161.0
72.5°	120.3	128.3	140.5	159.6	182.0	205.6	215.8	200.0	172.3	150.2	136.4
75°	93.0	98.4	106.9	120.1	137.8	156.5	162.2	148.4	130.6	114.1	105.0
77.5°	66.5	71.1	77.6	85.9	98.5	110.4	115.3	107.3	93.6	83.1	75.7
80°	51.2	53.6	59.0	65.9	75.8	83.3	86.7	81.5	71.9	64.1	58.4
82.5°	36.4	38.9	42.1	47.8	54.2	59.3	62.8	59.4	52.4	46.3	42.9
85°	17.7	19.3	21.1	23.4	28.3	31.3	31.0	28.9	26.1	23.8	21.9
87.5°	6.6	7.1	8.0	9.4	10.4	11.5	12.2	11.9	11.2	10.5	10.0
90°	1.7	2.9	4.0	5.0	6.0	7.1	8.0	9.0	9.9	10.6	11.2
92.5°	15.8	16.6	17.3	18.1	19.0	20.2	21.4	22.6	23.8	24.7	25.6
95°	40.6	40.8	41.1	41.4	42.2	43.6	44.9	46.3	47.7	48.6	49.6
97.5°	67.0	67.1	67.3	67.3	68.4	70.3	72.2	74.1	76.0	76.8	77.8
100°	86.7	86.7	86.7	86.7	87.6	89.4	91.2	93.0	94.7	96.0	97.3
102.5°	108.6	109.2	109.7	110.3	111.0	111.9	112.8	113.7	114.6	116.0	117.3
105°	142.0	142.6	143.3	144.0	144.7	145.6	146.4	147.2	148.1	148.9	149.7
107.5°	178.6	179.3	180.0	180.7	181.3	182.0	182.6	183.2	183.9	184.3	184.7
110°	203.9	204.5	205.3	206.0	206.5	206.9	207.3	207.7	208.1	208.6	209.0



TEST NUMBER: P333179-927

CATALOG NUMBER: S125DIP-S610D810U927-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	229.3	229.7	230.0	230.4	230.8	231.3	231.9	232.4	232.9	233.1	233.3
115°	267.5	268.1	268.6	269.2	269.6	269.9	270.1	270.5	270.7	270.5	270.5
117.5°	305.4	305.6	305.9	306.1	306.4	306.7	306.9	307.1	307.4	307.4	307.6
120°	329.6	330.3	331.0	331.7	332.1	332.2	332.4	332.5	332.6	332.6	332.6
122.5°	355.0	355.2	355.5	355.7	356.0	356.3	356.7	357.0	357.4	357.3	357.2
125°	390.5	391.3	392.1	392.9	393.4	393.6	393.7	393.8	394.0	393.7	393.4
127.5°	427.3	427.7	428.2	428.6	429.0	429.1	429.3	429.5	429.7	429.5	429.4
130°	449.8	450.5	451.1	451.9	452.3	452.6	452.9	453.1	453.4	453.3	453.1
132.5°	472.5	473.6	474.8	475.9	476.4	476.4	476.3	476.3	476.3	476.1	475.9
135°	507.6	508.3	509.2	510.0	510.5	510.6	510.8	510.9	511.0	511.0	511.0
137.5°	540.7	541.5	542.3	543.1	543.7	544.0	544.2	544.5	544.9	545.0	545.2
140°	561.9	562.6	563.3	564.0	564.5	564.9	565.4	565.8	566.2	566.5	566.7
142.5°	583.1	583.7	584.2	584.9	585.4	585.9	586.5	586.9	587.5	587.6	587.8
145°	614.4	615.0	615.5	616.1	616.6	617.0	617.3	617.8	618.2	618.2	618.2
147.5°	643.2	643.5	643.8	644.0	644.4	644.8	645.1	645.4	645.7	646.0	646.3
150°	662.0	661.9	661.8	661.6	661.9	662.4	663.0	663.5	664.1	664.1	664.1
152.5°	678.3	678.4	678.7	678.8	679.1	679.2	679.5	679.7	679.9	680.2	680.6
155°	702.4	702.4	702.4	702.4	702.5	702.7	702.8	702.9	703.1	703.6	704.2
157.5°	724.0	723.7	723.3	723.0	722.9	723.1	723.3	723.3	723.5	724.1	724.6
160°	736.7	736.3	735.9	735.5	735.4	735.5	735.6	735.8	735.9	736.5	737.0
162.5°	748.2	747.9	747.7	747.3	747.2	747.2	747.3	747.3	747.3	748.0	748.6
165°	763.5	763.3	763.0	762.7	762.6	762.7	762.9	763.0	763.2	763.7	764.3
167.5°	776.1	775.5	775.0	774.4	774.2	774.2	774.2	774.2	774.2	775.0	775.9
170°	783.1	782.5	782.0	781.4	781.1	781.1	781.1	781.1	781.1	782.0	782.8
172.5°	788.0	787.4	786.9	786.3	786.1	786.1	786.1	786.1	786.1	786.9	787.7
175°	793.6	793.1	792.5	791.9	791.6	791.6	791.6	791.6	791.6	792.5	793.3
177.5°	796.5	796.1	795.7	795.2	795.0	794.9	794.7	794.6	794.5	795.2	795.8
180°	796.0	796.0	796.0	796.0	796.0	796.0	796.0	796.0	796.0	796.0	796.0



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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	709.0	709.0	709.0	709.0	709.0	709.0	709.0
2.5°	741.5	743.4	747.5	746.1	748.0	748.9	750.0
5°	801.4	811.0	815.2	814.6	820.9	819.4	817.9
7.5°	869.0	879.2	884.8	891.8	896.0	896.2	899.8
10°	907.3	920.5	926.0	933.5	938.3	941.0	940.7
12.5°	936.7	947.1	959.2	962.9	969.4	972.8	971.5
15°	972.0	988.6	1001.2	1007.5	1015.7	1018.0	1021.4
17.5°	1003.5	1025.7	1040.5	1060.1	1067.5	1072.1	1069.4
20°	1027.4	1056.5	1071.3	1094.8	1107.7	1114.7	1112.2
22.5°	1055.6	1087.1	1114.4	1134.7	1154.4	1163.8	1165.7
25°	1103.8	1147.2	1187.2	1213.9	1238.3	1244.0	1256.7
27.5°	1157.8	1208.9	1251.6	1279.8	1296.8	1303.1	1307.1
30°	1191.7	1242.5	1274.8	1292.8	1298.2	1297.6	1297.0
32.5°	1208.3	1240.2	1246.3	1241.3	1228.9	1218.4	1207.4
35°	1184.8	1161.0	1125.5	1079.7	1046.1	1012.0	1008.7
37.5°	1065.6	989.5	930.4	864.4	826.3	802.8	786.5
40°	953.3	867.0	795.4	739.7	700.8	685.6	670.5
42.5°	831.6	749.0	685.6	639.1	609.9	592.9	580.9
45°	675.6	602.8	553.1	519.4	496.2	483.0	475.5
47.5°	553.6	499.7	457.6	433.2	417.2	406.9	406.9
50°	488.1	436.7	408.7	389.4	375.6	367.4	368.9
52.5°	430.1	391.7	367.7	351.6	341.4	336.4	336.2
55°	359.7	331.9	316.3	304.5	297.6	291.9	293.1
57.5°	307.6	284.2	273.8	264.0	259.2	256.9	253.7
60°	275.4	257.3	248.3	240.4	235.6	233.9	230.5
62.5°	246.7	232.5	223.7	217.3	213.0	212.4	209.8
65°	207.3	196.5	188.7	185.7	181.2	180.0	180.0
67.5°	171.0	163.2	157.1	154.3	152.3	152.7	151.1
70°	148.1	141.7	137.8	134.8	133.3	133.6	132.4
72.5°	129.5	122.5	119.1	117.2	115.3	116.1	115.6
75°	98.1	94.5	92.7	90.9	89.7	89.0	88.5
77.5°	72.0	68.8	67.5	66.5	66.6	65.2	66.3
80°	55.7	53.0	52.0	50.5	50.2	50.2	50.0
82.5°	40.7	39.2	38.6	37.3	36.8	37.2	36.4
85°	21.1	19.9	19.6	19.6	18.9	18.4	19.9
87.5°	10.1	9.3	9.3	9.2	9.3	9.2	8.7
90°	12.0	12.7	13.2	13.6	14.0	14.4	14.9
92.5°	26.5	27.4	28.0	28.4	28.6	28.9	29.2
95°	50.6	51.6	52.2	52.4	52.8	53.0	53.2
97.5°	78.7	79.6	80.1	80.2	80.4	80.6	80.8
100°	98.5	99.7	100.5	100.8	101.0	101.3	101.6
102.5°	118.7	120.0	120.9	121.3	121.6	122.0	122.4
105°	150.5	151.4	151.9	152.4	152.8	153.2	153.6
107.5°	185.1	185.5	185.7	185.7	185.6	185.6	185.6
110°	209.4	209.8	209.9	209.8	209.6	209.5	209.4



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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
112.5°	233.5	233.7	233.7	233.4	233.1	232.9	232.7
115°	270.3	270.1	270.0	269.9	269.7	269.6	269.5
117.5°	307.7	307.8	307.6	307.0	306.5	305.9	305.4
120°	332.6	332.6	332.4	331.8	331.3	330.7	330.2
122.5°	357.1	357.0	356.7	356.2	355.8	355.4	355.0
125°	393.2	392.8	392.7	392.5	392.4	392.3	392.1
127.5°	429.2	429.1	428.9	428.6	428.3	428.1	427.8
130°	453.0	452.9	452.7	452.4	452.1	451.9	451.5
132.5°	475.8	475.7	475.4	475.1	474.7	474.3	473.9
135°	511.0	511.0	510.8	510.2	509.7	509.1	508.6
137.5°	545.3	545.5	545.3	544.5	543.9	543.2	542.5
140°	567.0	567.3	567.0	566.4	565.7	565.0	564.4
142.5°	588.0	588.1	587.9	587.2	586.5	585.8	585.1
145°	618.2	618.2	618.0	617.6	617.2	616.8	616.3
147.5°	646.7	647.1	646.7	645.8	644.8	644.0	643.0
150°	664.1	664.1	663.9	663.6	663.4	663.1	662.8
152.5°	680.9	681.2	681.1	680.6	680.2	679.7	679.1
155°	704.7	705.3	705.2	704.5	703.9	703.1	702.4
157.5°	725.2	725.7	725.6	724.6	723.7	722.8	721.9
160°	737.5	738.1	738.1	737.4	736.7	735.9	735.3
162.5°	749.3	750.0	749.9	749.1	748.3	747.5	746.7
165°	764.9	765.3	765.2	764.4	763.6	762.7	761.9
167.5°	776.7	777.5	777.4	776.7	775.8	774.9	774.0
170°	783.6	784.4	784.3	783.4	782.4	781.5	780.5
172.5°	788.5	789.4	789.4	788.5	787.7	786.8	785.9
175°	794.2	795.0	794.9	793.9	793.0	792.0	791.1
177.5°	796.5	797.2	797.1	796.3	795.6	794.8	794.0
180°	796.0	796.0	796.0	796.0	796.0	796.0	796.0

(END OF REPORT)