

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: P333383-927

Luminaire Tested: **S125DIW-S610D1050U927-4F0-1E-UDD-A1**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P333383-927  
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: S125DIW-S610D1050U927-4F0-1E-UDD-A1  
Description: DEFINE 5 DIRECT-INDIRECT WALL MOUNT LED LUMINAIRE  
DOWNLIGHT 610 LUMENS PER FOOT, ASYMMETRIC DIFFUSER  
UPLIGHT 1050 LUMENS PER FOOT, FLUSH SATIN WHITE DIFFUSER  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 4881.1 lumens  
Efficiency: N/A  
Efficacy: 108.0 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

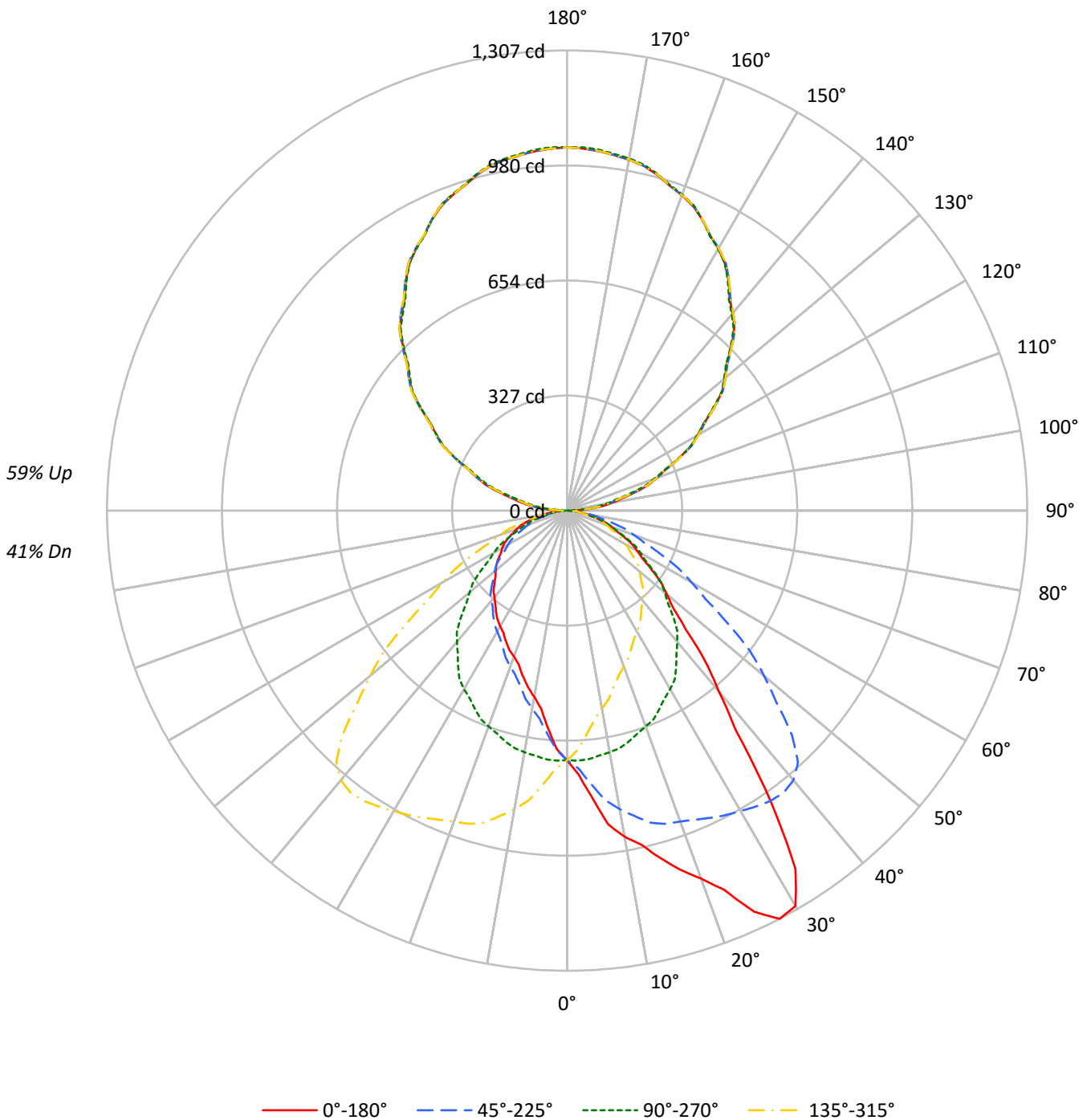
Input Watts (W): 45.2  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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### Luminous Intensity Polar Plot





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**COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:**

RF	20				20				20				20				20	
RC	80				70				50				30				10	0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0
RCR																		
0	105	105	105	105	96	96	96	96	78	78	78	62	62	62	48	48	48	41
1	96	92	88	85	87	84	81	78	69	67	65	55	54	52	43	42	41	35
2	87	80	74	69	80	73	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	31	30	25
4	73	63	55	49	66	57	51	46	48	43	39	38	35	32	30	28	26	22
5	67	56	48	42	61	51	44	39	43	37	33	35	31	28	27	24	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	41	35	30	35	29	26	28	24	21	22	20	17	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	31	25	21	27	22	18	22	18	15	18	15	13	11

**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	1.4
10°-20°	203.2	4.2
20°-30°	330.0	6.8
30°-40°	402.5	8.2
40°-50°	366.2	7.5
50°-60°	291.7	6.0
60°-70°	203.2	4.2
70°-80°	108.3	2.2
80°-90°	29.6	0.6
90°-100°	69.1	1.4
100°-110°	204.0	4.2
110°-120°	345.5	7.1
120°-130°	454.7	9.3
130°-140°	509.6	10.4
140°-150°	499.4	10.2
150°-160°	419.5	8.6
160°-170°	278.8	5.7
170°-180°	97.6	2.0
0°-30°	601.5	12.3
0°-40°	1004.0	20.6
0°-60°	1661.8	34.0
0°-90°	2002.9	41.0
90°-120°	618.6	12.7
90°-150°	2082.3	42.7
90°-180°	2878.0	59.0
0°-180°	4881.1	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°	19	1	19	1	19	12
95°	69	52	69	52	69	70
105°	199	183	199	183	199	211
115°	349	346	349	346	349	345
125°	508	505	508	505	508	454
135°	659	657	659	657	659	508
145°	799	795	799	795	799	499
155°	910	910	910	910	910	419
165°	987	990	987	990	987	278
175°	1025	1029	1025	1029	1025	97
180°	1031	1031	1031	1031	1031	



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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°	9.7	10.0	10.1	10.1	10.1	10.1	10.8	10.6	11.2	11.7	12.4
90°	19.3	18.7	18.2	17.7	17.1	16.4	15.5	14.7	13.7	12.8	11.6
92.5°	37.9	37.5	37.1	36.7	36.3	35.6	34.4	33.2	32.0	30.8	29.3
95°	69.0	68.7	68.3	68.0	67.6	66.8	65.5	64.3	63.1	61.8	60.0
97.5°	104.6	104.5	104.3	104.0	103.8	103.1	102.0	100.8	99.6	98.4	95.9
100°	131.7	131.3	130.9	130.6	130.2	129.2	127.6	126.0	124.5	122.8	120.5
102.5°	158.6	158.1	157.6	157.1	156.6	155.5	153.8	152.0	150.3	148.5	147.3
105°	199.1	198.5	198.0	197.5	196.9	196.1	195.0	194.0	192.9	191.9	190.8
107.5°	240.5	240.5	240.6	240.6	240.7	240.3	239.9	239.3	238.8	238.2	237.4
110°	271.3	271.5	271.6	271.9	272.0	271.9	271.3	270.8	270.2	269.7	269.2



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**CANDELA DISTRIBUTION (continued):**

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	301.5	301.8	302.1	302.5	302.8	302.8	302.5	302.3	302.1	301.8	301.1
115°	349.2	349.4	349.5	349.7	349.9	350.1	350.2	350.4	350.6	350.8	350.4
117.5°	395.7	396.4	397.1	397.8	398.5	398.9	398.7	398.5	398.5	398.3	398.0
120°	427.9	428.6	429.3	430.0	430.7	431.0	431.0	431.0	431.0	431.0	430.9
122.5°	459.9	460.5	461.1	461.7	462.2	462.6	462.7	462.9	463.0	463.2	462.7
125°	508.1	508.3	508.4	508.7	508.8	509.1	509.5	509.8	510.2	510.5	510.3
127.5°	554.4	554.7	555.1	555.4	555.8	556.0	556.2	556.3	556.6	556.7	556.5
130°	585.2	585.5	585.9	586.2	586.6	586.8	587.0	587.2	587.4	587.6	587.2
132.5°	614.0	614.6	615.1	615.5	616.1	616.4	616.6	616.7	617.0	617.1	617.2
135°	659.0	659.7	660.4	661.2	661.9	662.2	662.2	662.2	662.2	662.2	662.0
137.5°	703.0	703.9	704.8	705.7	706.5	706.9	706.7	706.5	706.2	706.1	705.7
140°	731.3	732.1	733.0	734.0	734.8	735.1	734.7	734.4	734.0	733.6	733.1
142.5°	758.2	759.1	760.0	760.9	761.8	762.2	761.9	761.7	761.4	761.3	760.6
145°	798.7	799.2	799.7	800.3	800.8	801.1	801.1	801.1	801.1	801.1	800.6
147.5°	833.2	834.4	835.6	836.9	838.0	838.4	838.0	837.6	837.2	836.7	836.3
150°	858.9	859.2	859.6	859.9	860.3	860.5	860.5	860.5	860.5	860.5	859.8
152.5°	880.0	880.7	881.4	882.0	882.6	882.7	882.3	881.9	881.5	881.1	880.7
155°	910.2	911.2	912.0	912.9	913.8	913.9	913.2	912.5	911.8	911.1	910.9
157.5°	935.5	936.6	937.8	939.0	940.2	940.4	939.7	939.0	938.3	937.5	937.4
160°	952.8	953.7	954.6	955.5	956.3	956.5	955.8	955.1	954.3	953.6	953.4
162.5°	967.6	968.6	969.6	970.7	971.7	971.8	970.9	970.1	969.2	968.4	968.4
165°	987.3	988.4	989.4	990.5	991.6	991.7	991.0	990.3	989.6	988.9	988.7
167.5°	1003.1	1004.2	1005.3	1006.4	1007.5	1007.5	1006.4	1005.4	1004.2	1003.2	1003.2
170°	1011.4	1012.6	1013.9	1015.1	1016.4	1016.4	1015.4	1014.3	1013.3	1012.2	1012.2
172.5°	1018.4	1019.5	1020.6	1021.8	1022.9	1022.9	1021.8	1020.7	1019.7	1018.6	1018.6
175°	1025.0	1026.3	1027.5	1028.8	1030.0	1030.2	1029.0	1027.9	1026.9	1025.8	1025.8
177.5°	1028.9	1029.9	1030.9	1031.9	1032.8	1032.9	1032.1	1031.3	1030.4	1029.5	1029.7
180°	1031.4	1031.4	1031.4	1031.4	1031.4	1031.4	1031.4	1031.4	1031.4	1031.4	1031.4



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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°	12.7	12.0	10.7	9.7	8.2	7.2	6.7	6.7	6.3	6.3	6.8
90°	10.4	9.1	7.8	6.5	5.1	3.6	2.2	0.8	2.2	3.6	5.1
92.5°	27.7	26.2	24.7	23.4	22.4	21.4	20.4	19.4	20.4	21.4	22.4
95°	58.2	56.5	54.7	53.6	53.2	52.9	52.5	52.2	52.5	52.9	53.2
97.5°	93.5	91.0	88.6	87.3	87.1	87.0	86.8	86.7	86.8	87.0	87.1
100°	118.2	115.8	113.5	112.4	112.4	112.4	112.4	112.4	112.4	112.4	112.4
102.5°	146.2	145.0	143.8	142.8	142.1	141.4	140.7	140.0	140.7	141.4	142.1
105°	189.7	188.6	187.6	186.6	185.7	184.8	183.9	183.0	183.9	184.8	185.7
107.5°	236.6	235.8	235.0	234.1	233.2	232.3	231.4	230.5	231.4	232.3	233.2
110°	268.6	268.1	267.6	266.9	265.9	265.1	264.2	263.2	264.2	265.1	265.9





TEST NUMBER: P333383-927

CATALOG NUMBER: S125DIW-S610D1050U927-4F0-1E-UDD-A1

**CANDELA DISTRIBUTION (continued):**

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	300.5	299.8	299.1	298.5	298.1	297.6	297.1	296.7	297.1	297.6	298.1
115°	350.1	349.7	349.4	348.8	348.1	347.4	346.7	345.9	346.7	347.4	348.1
117.5°	397.7	397.4	397.0	396.7	396.3	396.0	395.7	395.4	395.7	396.0	396.3
120°	430.7	430.5	430.3	429.8	428.9	428.0	427.1	426.2	427.1	428.0	428.9
122.5°	462.2	461.8	461.3	460.9	460.6	460.3	459.9	459.6	459.9	460.3	460.6
125°	510.2	510.0	509.8	509.1	508.1	507.0	506.0	504.9	506.0	507.0	508.1
127.5°	556.3	556.1	555.9	555.5	554.8	554.3	553.7	553.0	553.7	554.3	554.8
130°	586.8	586.5	586.1	585.5	584.6	583.8	582.8	581.9	582.8	583.8	584.6
132.5°	617.3	617.3	617.4	616.7	615.2	613.8	612.3	610.9	612.3	613.8	615.2
135°	661.9	661.7	661.5	660.9	659.8	658.7	657.7	656.6	657.7	658.7	659.8
137.5°	705.3	704.9	704.5	703.8	702.7	701.7	700.7	699.7	700.7	701.7	702.7
140°	732.6	732.1	731.5	730.8	729.9	729.0	728.1	727.2	728.1	729.0	729.9
142.5°	759.9	759.2	758.6	757.9	757.1	756.4	755.6	754.9	755.6	756.4	757.1
145°	800.0	799.5	798.9	798.3	797.6	796.9	796.1	795.4	796.1	796.9	797.6
147.5°	835.8	835.4	835.0	834.6	834.2	833.9	833.5	833.1	833.5	833.9	834.2
150°	859.0	858.3	857.6	857.4	857.5	857.7	857.9	858.1	857.9	857.7	857.5
152.5°	880.4	880.2	879.9	879.6	879.4	879.1	878.8	878.6	878.8	879.1	879.4
155°	910.7	910.5	910.3	910.2	910.2	910.2	910.2	910.2	910.2	910.2	910.2
157.5°	937.2	937.0	936.8	936.9	937.3	937.7	938.1	938.5	938.1	937.7	937.3
160°	953.2	953.1	952.9	953.1	953.6	954.1	954.7	955.2	954.7	954.1	953.6
162.5°	968.3	968.3	968.2	968.4	968.8	969.2	969.6	969.9	969.6	969.2	968.8
165°	988.6	988.4	988.2	988.2	988.6	989.0	989.4	989.8	989.4	989.0	988.6
167.5°	1003.2	1003.2	1003.2	1003.5	1004.2	1005.0	1005.7	1006.4	1005.7	1005.0	1004.2
170°	1012.2	1012.2	1012.2	1012.6	1013.3	1014.0	1014.7	1015.4	1014.7	1014.0	1013.3
172.5°	1018.6	1018.6	1018.6	1019.0	1019.7	1020.4	1021.1	1021.8	1021.1	1020.4	1019.7
175°	1025.8	1025.8	1025.8	1026.2	1026.9	1027.6	1028.3	1029.0	1028.3	1027.6	1026.9
177.5°	1029.8	1029.9	1030.1	1030.5	1031.0	1031.6	1032.1	1032.8	1032.1	1031.6	1031.0
180°	1031.4	1031.4	1031.4	1031.4	1031.4	1031.4	1031.4	1031.4	1031.4	1031.4	1031.4



TEST NUMBER: P333383-927

CATALOG NUMBER: S125DIW-S610D1050U927-4F0-1E-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°	7.3	8.1	8.1	8.6	8.8	9.6	9.5	10.6	11.3	12.0	11.9
90°	6.5	7.8	9.1	10.4	11.6	12.8	13.7	14.7	15.5	16.4	17.1
92.5°	23.4	24.7	26.2	27.7	29.3	30.8	32.0	33.2	34.4	35.6	36.3
95°	53.6	54.7	56.5	58.2	60.0	61.8	63.1	64.3	65.5	66.8	67.6
97.5°	87.3	88.6	91.0	93.5	95.9	98.4	99.6	100.8	102.0	103.1	103.8
100°	112.4	113.5	115.8	118.2	120.5	122.8	124.5	126.0	127.6	129.2	130.2
102.5°	142.8	143.8	145.0	146.2	147.3	148.5	150.3	152.0	153.8	155.5	156.6
105°	186.6	187.6	188.6	189.7	190.8	191.9	192.9	194.0	195.0	196.1	196.9
107.5°	234.1	235.0	235.8	236.6	237.4	238.2	238.8	239.3	239.9	240.3	240.7
110°	266.9	267.6	268.1	268.6	269.2	269.7	270.2	270.8	271.3	271.9	272.0



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**CANDELA DISTRIBUTION (continued):**

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	298.5	299.1	299.8	300.5	301.1	301.8	302.1	302.3	302.5	302.8	302.8
115°	348.8	349.4	349.7	350.1	350.4	350.8	350.6	350.4	350.2	350.1	349.9
117.5°	396.7	397.0	397.4	397.7	398.0	398.3	398.5	398.5	398.7	398.9	398.5
120°	429.8	430.3	430.5	430.7	430.9	431.0	431.0	431.0	431.0	431.0	430.7
122.5°	460.9	461.3	461.8	462.2	462.7	463.2	463.0	462.9	462.7	462.6	462.2
125°	509.1	509.8	510.0	510.2	510.3	510.5	510.2	509.8	509.5	509.1	508.8
127.5°	555.5	555.9	556.1	556.3	556.5	556.7	556.6	556.3	556.2	556.0	555.8
130°	585.5	586.1	586.5	586.8	587.2	587.6	587.4	587.2	587.0	586.8	586.6
132.5°	616.7	617.4	617.3	617.3	617.2	617.1	617.0	616.7	616.6	616.4	616.1
135°	660.9	661.5	661.7	661.9	662.0	662.2	662.2	662.2	662.2	662.2	661.9
137.5°	703.8	704.5	704.9	705.3	705.7	706.1	706.2	706.5	706.7	706.9	706.5
140°	730.8	731.5	732.1	732.6	733.1	733.6	734.0	734.4	734.7	735.1	734.8
142.5°	757.9	758.6	759.2	759.9	760.6	761.3	761.4	761.7	761.9	762.2	761.8
145°	798.3	798.9	799.5	800.0	800.6	801.1	801.1	801.1	801.1	801.1	800.8
147.5°	834.6	835.0	835.4	835.8	836.3	836.7	837.2	837.6	838.0	838.4	838.0
150°	857.4	857.6	858.3	859.0	859.8	860.5	860.5	860.5	860.5	860.5	860.3
152.5°	879.6	879.9	880.2	880.4	880.7	881.1	881.5	881.9	882.3	882.7	882.6
155°	910.2	910.3	910.5	910.7	910.9	911.1	911.8	912.5	913.2	913.9	913.8
157.5°	936.9	936.8	937.0	937.2	937.4	937.5	938.3	939.0	939.7	940.4	940.2
160°	953.1	952.9	953.1	953.2	953.4	953.6	954.3	955.1	955.8	956.5	956.3
162.5°	968.4	968.2	968.3	968.3	968.4	968.4	969.2	970.1	970.9	971.8	971.7
165°	988.2	988.2	988.4	988.6	988.7	988.9	989.6	990.3	991.0	991.7	991.6
167.5°	1003.5	1003.2	1003.2	1003.2	1003.2	1003.2	1004.2	1005.4	1006.4	1007.5	1007.5
170°	1012.6	1012.2	1012.2	1012.2	1012.2	1012.2	1013.3	1014.3	1015.4	1016.4	1016.4
172.5°	1019.0	1018.6	1018.6	1018.6	1018.6	1018.6	1019.7	1020.7	1021.8	1022.9	1022.9
175°	1026.2	1025.8	1025.8	1025.8	1025.8	1025.8	1026.9	1027.9	1029.0	1030.2	1030.0
177.5°	1030.5	1030.1	1029.9	1029.8	1029.7	1029.5	1030.4	1031.3	1032.1	1032.9	1032.8
180°	1031.4	1031.4	1031.4	1031.4	1031.4	1031.4	1031.4	1031.4	1031.4	1031.4	1031.4



TEST NUMBER: P333383-927

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**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°	12.4	12.3	12.4	13.0	12.4	12.3	12.4	11.9	12.0	11.3	10.6
90°	17.7	18.2	18.7	19.3	18.7	18.2	17.7	17.1	16.4	15.5	14.7
92.5°	36.7	37.1	37.5	37.9	37.5	37.1	36.7	36.3	35.6	34.4	33.2
95°	68.0	68.3	68.7	69.0	68.7	68.3	68.0	67.6	66.8	65.5	64.3
97.5°	104.0	104.3	104.5	104.6	104.5	104.3	104.0	103.8	103.1	102.0	100.8
100°	130.6	130.9	131.3	131.7	131.3	130.9	130.6	130.2	129.2	127.6	126.0
102.5°	157.1	157.6	158.1	158.6	158.1	157.6	157.1	156.6	155.5	153.8	152.0
105°	197.5	198.0	198.5	199.1	198.5	198.0	197.5	196.9	196.1	195.0	194.0
107.5°	240.6	240.6	240.5	240.5	240.5	240.6	240.6	240.7	240.3	239.9	239.3
110°	271.9	271.6	271.5	271.3	271.5	271.6	271.9	272.0	271.9	271.3	270.8



TEST NUMBER: P333383-927

CATALOG NUMBER: S125DIW-S610D1050U927-4F0-1E-UDD-A1

**CANDELA DISTRIBUTION (continued):**

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	302.5	302.1	301.8	301.5	301.8	302.1	302.5	302.8	302.8	302.5	302.3
115°	349.7	349.5	349.4	349.2	349.4	349.5	349.7	349.9	350.1	350.2	350.4
117.5°	397.8	397.1	396.4	395.7	396.4	397.1	397.8	398.5	398.9	398.7	398.5
120°	430.0	429.3	428.6	427.9	428.6	429.3	430.0	430.7	431.0	431.0	431.0
122.5°	461.7	461.1	460.5	459.9	460.5	461.1	461.7	462.2	462.6	462.7	462.9
125°	508.7	508.4	508.3	508.1	508.3	508.4	508.7	508.8	509.1	509.5	509.8
127.5°	555.4	555.1	554.7	554.4	554.7	555.1	555.4	555.8	556.0	556.2	556.3
130°	586.2	585.9	585.5	585.2	585.5	585.9	586.2	586.6	586.8	587.0	587.2
132.5°	615.5	615.1	614.6	614.0	614.6	615.1	615.5	616.1	616.4	616.6	616.7
135°	661.2	660.4	659.7	659.0	659.7	660.4	661.2	661.9	662.2	662.2	662.2
137.5°	705.7	704.8	703.9	703.0	703.9	704.8	705.7	706.5	706.9	706.7	706.5
140°	734.0	733.0	732.1	731.3	732.1	733.0	734.0	734.8	735.1	734.7	734.4
142.5°	760.9	760.0	759.1	758.2	759.1	760.0	760.9	761.8	762.2	761.9	761.7
145°	800.3	799.7	799.2	798.7	799.2	799.7	800.3	800.8	801.1	801.1	801.1
147.5°	836.9	835.6	834.4	833.2	834.4	835.6	836.9	838.0	838.4	838.0	837.6
150°	859.9	859.6	859.2	858.9	859.2	859.6	859.9	860.3	860.5	860.5	860.5
152.5°	882.0	881.4	880.7	880.0	880.7	881.4	882.0	882.6	882.7	882.3	881.9
155°	912.9	912.0	911.2	910.2	911.2	912.0	912.9	913.8	913.9	913.2	912.5
157.5°	939.0	937.8	936.6	935.5	936.6	937.8	939.0	940.2	940.4	939.7	939.0
160°	955.5	954.6	953.7	952.8	953.7	954.6	955.5	956.3	956.5	955.8	955.1
162.5°	970.7	969.6	968.6	967.6	968.6	969.6	970.7	971.7	971.8	970.9	970.1
165°	990.5	989.4	988.4	987.3	988.4	989.4	990.5	991.6	991.7	991.0	990.3
167.5°	1006.4	1005.3	1004.2	1003.1	1004.2	1005.3	1006.4	1007.5	1007.5	1006.4	1005.4
170°	1015.1	1013.9	1012.6	1011.4	1012.6	1013.9	1015.1	1016.4	1016.4	1015.4	1014.3
172.5°	1021.8	1020.6	1019.5	1018.4	1019.5	1020.6	1021.8	1022.9	1022.9	1021.8	1020.7
175°	1028.8	1027.5	1026.3	1025.0	1026.3	1027.5	1028.8	1030.0	1030.2	1029.0	1027.9
177.5°	1031.9	1030.9	1029.9	1028.9	1029.9	1030.9	1031.9	1032.8	1032.9	1032.1	1031.3
180°	1031.4	1031.4	1031.4	1031.4	1031.4	1031.4	1031.4	1031.4	1031.4	1031.4	1031.4



TEST NUMBER: P333383-927

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**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°	9.5	9.6	8.8	8.6	8.1	8.1	7.3	6.8	6.3	6.3	6.7
90°	13.7	12.8	11.6	10.4	9.1	7.8	6.5	5.1	3.6	2.2	0.8
92.5°	32.0	30.8	29.3	27.7	26.2	24.7	23.4	22.4	21.4	20.4	19.4
95°	63.1	61.8	60.0	58.2	56.5	54.7	53.6	53.2	52.9	52.5	52.2
97.5°	99.6	98.4	95.9	93.5	91.0	88.6	87.3	87.1	87.0	86.8	86.7
100°	124.5	122.8	120.5	118.2	115.8	113.5	112.4	112.4	112.4	112.4	112.4
102.5°	150.3	148.5	147.3	146.2	145.0	143.8	142.8	142.1	141.4	140.7	140.0
105°	192.9	191.9	190.8	189.7	188.6	187.6	186.6	185.7	184.8	183.9	183.0
107.5°	238.8	238.2	237.4	236.6	235.8	235.0	234.1	233.2	232.3	231.4	230.5
110°	270.2	269.7	269.2	268.6	268.1	267.6	266.9	265.9	265.1	264.2	263.2



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**CANDELA DISTRIBUTION (continued):**

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	302.1	301.8	301.1	300.5	299.8	299.1	298.5	298.1	297.6	297.1	296.7
115°	350.6	350.8	350.4	350.1	349.7	349.4	348.8	348.1	347.4	346.7	345.9
117.5°	398.5	398.3	398.0	397.7	397.4	397.0	396.7	396.3	396.0	395.7	395.4
120°	431.0	431.0	430.9	430.7	430.5	430.3	429.8	428.9	428.0	427.1	426.2
122.5°	463.0	463.2	462.7	462.2	461.8	461.3	460.9	460.6	460.3	459.9	459.6
125°	510.2	510.5	510.3	510.2	510.0	509.8	509.1	508.1	507.0	506.0	504.9
127.5°	556.6	556.7	556.5	556.3	556.1	555.9	555.5	554.8	554.3	553.7	553.0
130°	587.4	587.6	587.2	586.8	586.5	586.1	585.5	584.6	583.8	582.8	581.9
132.5°	617.0	617.1	617.2	617.3	617.3	617.4	616.7	615.2	613.8	612.3	610.9
135°	662.2	662.2	662.0	661.9	661.7	661.5	660.9	659.8	658.7	657.7	656.6
137.5°	706.2	706.1	705.7	705.3	704.9	704.5	703.8	702.7	701.7	700.7	699.7
140°	734.0	733.6	733.1	732.6	732.1	731.5	730.8	729.9	729.0	728.1	727.2
142.5°	761.4	761.3	760.6	759.9	759.2	758.6	757.9	757.1	756.4	755.6	754.9
145°	801.1	801.1	800.6	800.0	799.5	798.9	798.3	797.6	796.9	796.1	795.4
147.5°	837.2	836.7	836.3	835.8	835.4	835.0	834.6	834.2	833.9	833.5	833.1
150°	860.5	860.5	859.8	859.0	858.3	857.6	857.4	857.5	857.7	857.9	858.1
152.5°	881.5	881.1	880.7	880.4	880.2	879.9	879.6	879.4	879.1	878.8	878.6
155°	911.8	911.1	910.9	910.7	910.5	910.3	910.2	910.2	910.2	910.2	910.2
157.5°	938.3	937.5	937.4	937.2	937.0	936.8	936.9	937.3	937.7	938.1	938.5
160°	954.3	953.6	953.4	953.2	953.1	952.9	953.1	953.6	954.1	954.7	955.2
162.5°	969.2	968.4	968.4	968.3	968.3	968.2	968.4	968.8	969.2	969.6	969.9
165°	989.6	988.9	988.7	988.6	988.4	988.2	988.2	988.6	989.0	989.4	989.8
167.5°	1004.2	1003.2	1003.2	1003.2	1003.2	1003.2	1003.5	1004.2	1005.0	1005.7	1006.4
170°	1013.3	1012.2	1012.2	1012.2	1012.2	1012.2	1012.6	1013.3	1014.0	1014.7	1015.4
172.5°	1019.7	1018.6	1018.6	1018.6	1018.6	1018.6	1019.0	1019.7	1020.4	1021.1	1021.8
175°	1026.9	1025.8	1025.8	1025.8	1025.8	1025.8	1026.2	1026.9	1027.6	1028.3	1029.0
177.5°	1030.4	1029.5	1029.7	1029.8	1029.9	1030.1	1030.5	1031.0	1031.6	1032.1	1032.8
180°	1031.4	1031.4	1031.4	1031.4	1031.4	1031.4	1031.4	1031.4	1031.4	1031.4	1031.4



TEST NUMBER: P333383-927

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**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°	6.7	7.2	8.2	9.7	10.7	12.0	12.7	12.4	11.7	11.2	10.6
90°	2.2	3.6	5.1	6.5	7.8	9.1	10.4	11.6	12.8	13.7	14.7
92.5°	20.4	21.4	22.4	23.4	24.7	26.2	27.7	29.3	30.8	32.0	33.2
95°	52.5	52.9	53.2	53.6	54.7	56.5	58.2	60.0	61.8	63.1	64.3
97.5°	86.8	87.0	87.1	87.3	88.6	91.0	93.5	95.9	98.4	99.6	100.8
100°	112.4	112.4	112.4	112.4	113.5	115.8	118.2	120.5	122.8	124.5	126.0
102.5°	140.7	141.4	142.1	142.8	143.8	145.0	146.2	147.3	148.5	150.3	152.0
105°	183.9	184.8	185.7	186.6	187.6	188.6	189.7	190.8	191.9	192.9	194.0
107.5°	231.4	232.3	233.2	234.1	235.0	235.8	236.6	237.4	238.2	238.8	239.3
110°	264.2	265.1	265.9	266.9	267.6	268.1	268.6	269.2	269.7	270.2	270.8





TEST NUMBER: P333383-927

CATALOG NUMBER: S125DIW-S610D1050U927-4F0-1E-UDD-A1

**CANDELA DISTRIBUTION (continued):**

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	297.1	297.6	298.1	298.5	299.1	299.8	300.5	301.1	301.8	302.1	302.3
115°	346.7	347.4	348.1	348.8	349.4	349.7	350.1	350.4	350.8	350.6	350.4
117.5°	395.7	396.0	396.3	396.7	397.0	397.4	397.7	398.0	398.3	398.5	398.5
120°	427.1	428.0	428.9	429.8	430.3	430.5	430.7	430.9	431.0	431.0	431.0
122.5°	459.9	460.3	460.6	460.9	461.3	461.8	462.2	462.7	463.2	463.0	462.9
125°	506.0	507.0	508.1	509.1	509.8	510.0	510.2	510.3	510.5	510.2	509.8
127.5°	553.7	554.3	554.8	555.5	555.9	556.1	556.3	556.5	556.7	556.6	556.3
130°	582.8	583.8	584.6	585.5	586.1	586.5	586.8	587.2	587.6	587.4	587.2
132.5°	612.3	613.8	615.2	616.7	617.4	617.3	617.3	617.2	617.1	617.0	616.7
135°	657.7	658.7	659.8	660.9	661.5	661.7	661.9	662.0	662.2	662.2	662.2
137.5°	700.7	701.7	702.7	703.8	704.5	704.9	705.3	705.7	706.1	706.2	706.5
140°	728.1	729.0	729.9	730.8	731.5	732.1	732.6	733.1	733.6	734.0	734.4
142.5°	755.6	756.4	757.1	757.9	758.6	759.2	759.9	760.6	761.3	761.4	761.7
145°	796.1	796.9	797.6	798.3	798.9	799.5	800.0	800.6	801.1	801.1	801.1
147.5°	833.5	833.9	834.2	834.6	835.0	835.4	835.8	836.3	836.7	837.2	837.6
150°	857.9	857.7	857.5	857.4	857.6	858.3	859.0	859.8	860.5	860.5	860.5
152.5°	878.8	879.1	879.4	879.6	879.9	880.2	880.4	880.7	881.1	881.5	881.9
155°	910.2	910.2	910.2	910.2	910.3	910.5	910.7	910.9	911.1	911.8	912.5
157.5°	938.1	937.7	937.3	936.9	936.8	937.0	937.2	937.4	937.5	938.3	939.0
160°	954.7	954.1	953.6	953.1	952.9	953.1	953.2	953.4	953.6	954.3	955.1
162.5°	969.6	969.2	968.8	968.4	968.2	968.3	968.3	968.4	968.4	969.2	970.1
165°	989.4	989.0	988.6	988.2	988.2	988.4	988.6	988.7	988.9	989.6	990.3
167.5°	1005.7	1005.0	1004.2	1003.5	1003.2	1003.2	1003.2	1003.2	1003.2	1004.2	1005.4
170°	1014.7	1014.0	1013.3	1012.6	1012.2	1012.2	1012.2	1012.2	1012.2	1013.3	1014.3
172.5°	1021.1	1020.4	1019.7	1019.0	1018.6	1018.6	1018.6	1018.6	1018.6	1019.7	1020.7
175°	1028.3	1027.6	1026.9	1026.2	1025.8	1025.8	1025.8	1025.8	1025.8	1026.9	1027.9
177.5°	1032.1	1031.6	1031.0	1030.5	1030.1	1029.9	1029.8	1029.7	1029.5	1030.4	1031.3
180°	1031.4	1031.4	1031.4	1031.4	1031.4	1031.4	1031.4	1031.4	1031.4	1031.4	1031.4



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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°	10.8	10.1	10.1	10.1	10.1	10.0	9.7
90°	15.5	16.4	17.1	17.7	18.2	18.7	19.3
92.5°	34.4	35.6	36.3	36.7	37.1	37.5	37.9
95°	65.5	66.8	67.6	68.0	68.3	68.7	69.0
97.5°	102.0	103.1	103.8	104.0	104.3	104.5	104.6
100°	127.6	129.2	130.2	130.6	130.9	131.3	131.7
102.5°	153.8	155.5	156.6	157.1	157.6	158.1	158.6
105°	195.0	196.1	196.9	197.5	198.0	198.5	199.1
107.5°	239.9	240.3	240.7	240.6	240.6	240.5	240.5
110°	271.3	271.9	272.0	271.9	271.6	271.5	271.3



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**CANDELA DISTRIBUTION (continued):**

	330°	335°	340°	345°	350°	355°	360°
112.5°	302.5	302.8	302.8	302.5	302.1	301.8	301.5
115°	350.2	350.1	349.9	349.7	349.5	349.4	349.2
117.5°	398.7	398.9	398.5	397.8	397.1	396.4	395.7
120°	431.0	431.0	430.7	430.0	429.3	428.6	427.9
122.5°	462.7	462.6	462.2	461.7	461.1	460.5	459.9
125°	509.5	509.1	508.8	508.7	508.4	508.3	508.1
127.5°	556.2	556.0	555.8	555.4	555.1	554.7	554.4
130°	587.0	586.8	586.6	586.2	585.9	585.5	585.2
132.5°	616.6	616.4	616.1	615.5	615.1	614.6	614.0
135°	662.2	662.2	661.9	661.2	660.4	659.7	659.0
137.5°	706.7	706.9	706.5	705.7	704.8	703.9	703.0
140°	734.7	735.1	734.8	734.0	733.0	732.1	731.3
142.5°	761.9	762.2	761.8	760.9	760.0	759.1	758.2
145°	801.1	801.1	800.8	800.3	799.7	799.2	798.7
147.5°	838.0	838.4	838.0	836.9	835.6	834.4	833.2
150°	860.5	860.5	860.3	859.9	859.6	859.2	858.9
152.5°	882.3	882.7	882.6	882.0	881.4	880.7	880.0
155°	913.2	913.9	913.8	912.9	912.0	911.2	910.2
157.5°	939.7	940.4	940.2	939.0	937.8	936.6	935.5
160°	955.8	956.5	956.3	955.5	954.6	953.7	952.8
162.5°	970.9	971.8	971.7	970.7	969.6	968.6	967.6
165°	991.0	991.7	991.6	990.5	989.4	988.4	987.3
167.5°	1006.4	1007.5	1007.5	1006.4	1005.3	1004.2	1003.1
170°	1015.4	1016.4	1016.4	1015.1	1013.9	1012.6	1011.4
172.5°	1021.8	1022.9	1022.9	1021.8	1020.6	1019.5	1018.4
175°	1029.0	1030.2	1030.0	1028.8	1027.5	1026.3	1025.0
177.5°	1032.1	1032.9	1032.8	1031.9	1030.9	1029.9	1028.9
180°	1031.4	1031.4	1031.4	1031.4	1031.4	1031.4	1031.4

(END OF REPORT)