

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: P333178-927

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

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P333178-927  
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1807-864-7,  
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-A  
Description: DEFINE 5 DIRECT-INDIRECT PENDANT LED LUMINAIRE  
DOWNLIGHT 610 LUMENS PER FOOT, ASYMMETRIC DIFFUSER  
UPLIGHT 810 LUMENS PER FOOT, NO LENS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 4568.8 lumens  
Efficiency: N/A  
Efficacy: 119.0 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

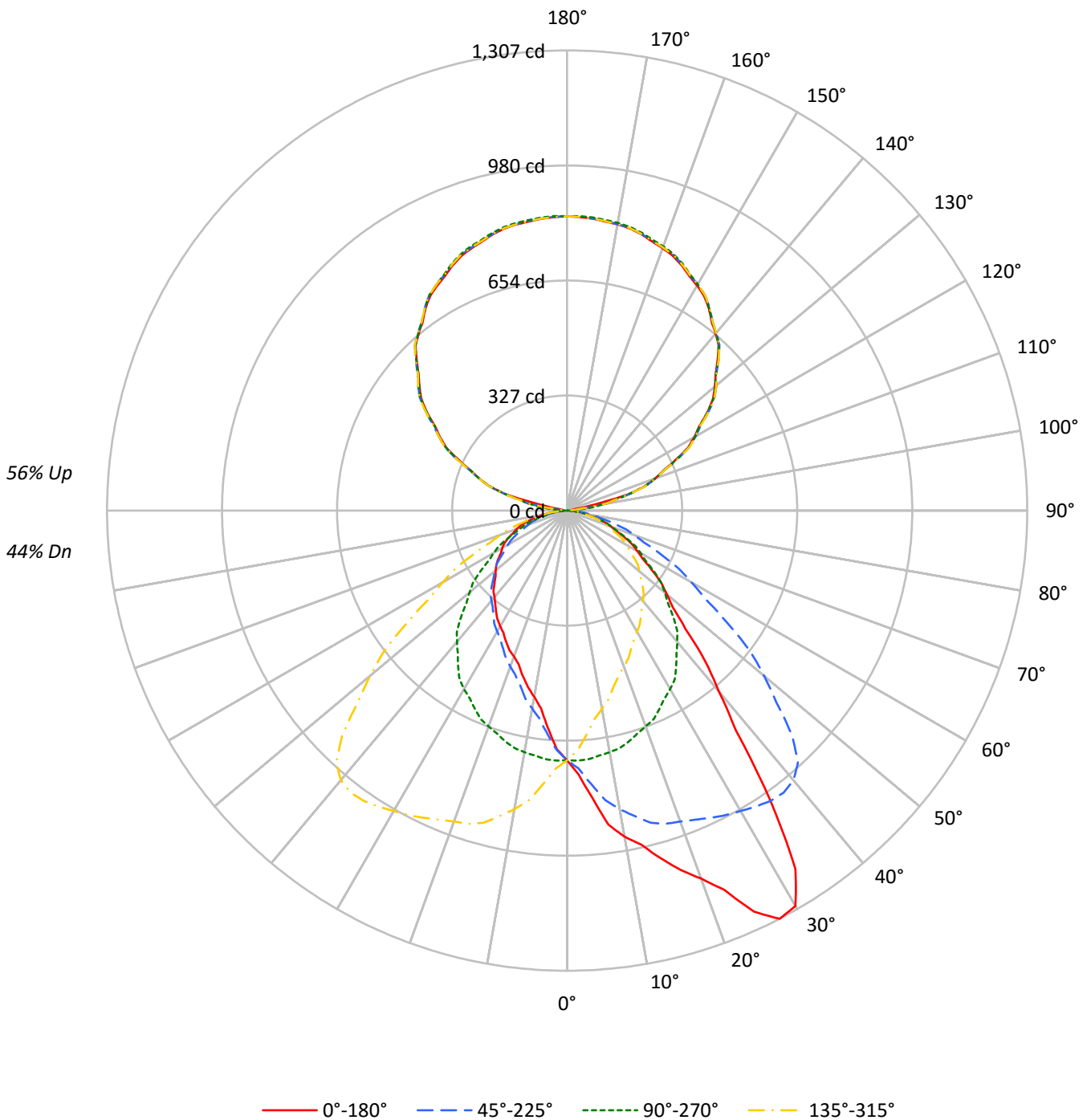
Input Watts (W): 38.4  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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### Luminous Intensity Polar Plot



56% Up

44% Dn



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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	106	106	106	106	97	97	97	97	80	80	80	65	65	65	50	50	50	44
1	97	92	89	85	88	85	81	79	70	68	66	57	56	54	45	44	43	37
2	88	81	75	70	80	74	69	65	62	58	55	50	48	45	40	38	36	32
3	80	71	64	58	73	65	59	54	55	50	46	45	41	39	35	33	31	27
4	74	63	55	49	67	58	51	46	49	44	40	40	36	33	32	29	27	23
5	68	56	48	42	62	52	45	40	43	38	34	36	32	29	29	26	24	20
6	62	50	42	37	57	47	39	34	39	34	30	32	28	25	26	23	21	18
7	58	45	38	32	53	42	35	30	35	30	26	29	25	22	24	21	18	16
8	53	41	34	28	49	38	31	27	32	27	23	27	23	20	22	19	17	14
9	50	38	30	25	45	35	28	24	30	24	21	25	21	18	20	17	15	13
10	46	34	27	23	42	32	26	21	27	22	19	23	19	16	19	16	13	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	1.5
10°-20°	203.2	4.4
20°-30°	330.0	7.2
30°-40°	402.5	8.8
40°-50°	366.2	8.0
50°-60°	291.7	6.4
60°-70°	203.2	4.4
70°-80°	108.3	2.4
80°-90°	29.1	0.6
90°-100°	30.4	0.7
100°-110°	187.2	4.1
110°-120°	339.5	7.4
120°-130°	435.7	9.5
130°-140°	468.6	10.3
140°-150°	439.8	9.6
150°-160°	355.8	7.8
160°-170°	230.1	5.0
170°-180°	79.4	1.7
0°-30°	601.5	13.2
0°-40°	1004.0	22.0
0°-60°	1661.8	36.4
0°-90°	2002.4	43.8
90°-120°	557.0	12.2
90°-150°	1901.1	41.6
90°-180°	2566.0	56.2
0°-180°	4568.8	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	7
95°	13	35	13	35	13	11
105°	184	182	184	182	184	166
115°	340	342	340	342	340	337
125°	486	486	486	486	486	433
135°	604	606	604	606	604	466
145°	701	703	701	703	701	438
155°	769	774	769	774	769	354
165°	813	817	813	817	813	229
175°	832	836	832	836	832	79
180°	836	836	836	836	836	



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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	11.3	10.6	9.9	9.0
92.5°	13.9	13.7	13.5	13.3	13.1	12.7	12.0	11.3	10.6	9.9	9.0
95°	13.0	13.0	13.0	13.0	13.0	12.7	12.0	11.3	10.6	9.9	15.1
97.5°	13.0	13.0	13.0	13.0	13.0	15.0	18.9	22.7	26.6	30.5	40.8
100°	13.0	13.5	14.1	14.7	15.2	25.7	46.3	66.8	87.3	107.8	107.3
102.5°	78.0	87.3	96.6	106.0	115.4	122.0	125.9	129.8	133.6	137.5	137.2
105°	184.0	184.1	184.3	184.4	184.6	184.6	184.6	184.6	184.6	184.6	184.6
107.5°	232.0	232.3	232.7	233.2	233.6	233.8	233.8	233.8	233.7	233.7	233.4
110°	265.1	265.0	264.9	264.7	264.6	264.7	265.1	265.5	266.0	266.4	266.1



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**CANDELA DISTRIBUTION (continued):**

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	294.9	295.1	295.2	295.5	295.6	296.0	296.5	297.1	297.6	298.1	297.9
115°	339.5	340.3	341.1	342.0	342.8	343.5	344.0	344.6	345.2	345.7	345.5
117.5°	387.1	387.5	387.8	388.2	388.5	389.0	389.8	390.5	391.2	391.9	391.4
120°	416.3	417.0	417.7	418.4	419.1	419.5	419.9	420.1	420.4	420.6	420.3
122.5°	444.1	444.9	445.7	446.5	447.3	447.8	448.1	448.4	448.6	448.9	448.7
125°	486.3	486.7	487.1	487.6	488.0	488.5	489.0	489.6	490.1	490.7	490.7
127.5°	521.9	522.9	523.9	525.0	525.9	526.6	527.0	527.2	527.5	527.8	527.9
130°	547.6	548.3	549.1	549.7	550.4	551.0	551.4	551.8	552.2	552.6	552.5
132.5°	571.5	572.1	572.8	573.5	574.2	574.6	574.6	574.7	574.8	574.9	575.2
135°	604.0	604.8	605.7	606.5	607.4	607.9	608.2	608.5	608.7	609.0	609.3
137.5°	636.8	637.5	638.2	638.9	639.6	639.9	639.8	639.8	639.8	639.7	640.0
140°	656.1	656.9	657.7	658.5	659.4	659.7	659.4	659.1	658.9	658.5	658.7
142.5°	674.4	675.3	676.0	676.9	677.7	678.1	678.0	678.0	677.9	677.9	677.7
145°	701.3	702.1	703.0	703.8	704.6	705.0	704.8	704.6	704.6	704.4	704.4
147.5°	723.5	724.5	725.5	726.4	727.5	727.9	727.7	727.5	727.4	727.2	727.1
150°	737.8	738.9	740.1	741.2	742.3	742.7	742.4	742.1	741.9	741.6	741.3
152.5°	751.2	752.3	753.2	754.2	755.2	755.6	755.3	755.0	754.7	754.5	754.2
155°	768.8	769.9	771.0	772.1	773.2	773.6	773.2	772.8	772.3	771.9	771.7
157.5°	783.5	784.7	785.8	786.9	788.0	788.3	787.9	787.4	787.0	786.6	786.5
160°	793.0	794.1	795.2	796.3	797.4	797.6	797.1	796.5	796.0	795.4	795.4
162.5°	801.5	802.6	803.8	805.0	806.3	806.4	805.7	804.9	804.1	803.4	803.3
165°	812.8	813.9	815.0	816.1	817.2	817.4	816.5	815.7	814.9	814.0	813.9
167.5°	820.8	822.0	823.2	824.4	825.7	825.9	824.8	823.9	822.8	821.9	821.7
170°	825.2	826.4	827.7	828.9	830.1	830.2	829.1	828.0	827.0	825.9	825.7
172.5°	828.1	829.4	830.7	831.9	833.1	833.3	832.3	831.2	830.3	829.3	829.0
175°	832.0	833.3	834.5	835.8	836.9	837.0	835.9	834.8	833.8	832.7	832.5
177.5°	834.2	835.1	836.0	836.9	837.8	837.8	837.0	836.3	835.5	834.7	834.6
180°	835.8	835.8	835.8	835.8	835.8	835.8	835.8	835.8	835.8	835.8	835.8



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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°	8.2	7.4	6.5	6.5	7.2	8.0	8.8	9.5	8.8	8.0	7.2
95°	20.4	25.6	30.8	33.7	34.1	34.5	34.9	35.3	34.9	34.5	34.1
97.5°	51.2	61.6	71.9	76.7	76.0	75.2	74.5	73.8	74.5	75.2	76.0
100°	106.7	106.2	105.6	105.1	104.7	104.3	103.9	103.5	103.9	104.3	104.7
102.5°	136.9	136.6	136.2	135.8	135.2	134.8	134.2	133.7	134.2	134.8	135.2
105°	184.6	184.6	184.6	184.3	183.8	183.2	182.7	182.1	182.7	183.2	183.8
107.5°	233.1	232.8	232.6	232.4	232.4	232.4	232.4	232.4	232.4	232.4	232.4
110°	265.9	265.5	265.3	265.1	265.1	265.1	265.1	265.1	265.1	265.1	265.1





TEST NUMBER: P333178-927

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

**CANDELA DISTRIBUTION (continued):**

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	297.8	297.6	297.5	297.2	296.9	296.5	296.2	295.9	296.2	296.5	296.9
115°	345.4	345.3	345.2	344.8	344.0	343.3	342.7	342.0	342.7	343.3	344.0
117.5°	390.9	390.3	389.8	389.6	389.6	389.6	389.7	389.7	389.7	389.6	389.6
120°	419.9	419.4	419.0	418.8	419.0	419.1	419.3	419.4	419.3	419.1	419.0
122.5°	448.5	448.3	448.1	447.7	447.3	446.7	446.2	445.7	446.2	446.7	447.3
125°	490.7	490.7	490.7	490.2	489.3	488.2	487.3	486.3	487.3	488.2	489.3
127.5°	528.0	528.1	528.1	527.8	527.2	526.5	525.8	525.1	525.8	526.5	527.2
130°	552.3	552.2	552.1	551.7	551.0	550.2	549.6	548.9	549.6	550.2	551.0
132.5°	575.5	575.8	576.2	575.9	575.0	574.3	573.5	572.7	573.5	574.3	575.0
135°	609.5	609.8	610.1	609.8	609.0	608.2	607.4	606.5	607.4	608.2	609.0
137.5°	640.2	640.5	640.7	640.5	639.8	639.1	638.3	637.6	638.3	639.1	639.8
140°	658.9	658.9	659.1	659.0	658.8	658.5	658.2	657.9	658.2	658.5	658.8
142.5°	677.5	677.3	677.1	676.9	676.8	676.6	676.4	676.3	676.4	676.6	676.8
145°	704.4	704.4	704.4	704.3	704.0	703.7	703.5	703.1	703.5	703.7	704.0
147.5°	726.8	726.7	726.5	726.5	726.5	726.6	726.7	726.7	726.7	726.6	726.5
150°	741.0	740.8	740.5	740.5	740.8	741.0	741.3	741.6	741.3	741.0	740.8
152.5°	753.9	753.6	753.4	753.5	754.2	754.7	755.3	756.0	755.3	754.7	754.2
155°	771.3	771.1	770.8	771.1	771.9	772.8	773.6	774.4	773.6	772.8	771.9
157.5°	786.5	786.5	786.4	786.6	787.2	787.7	788.1	788.6	788.1	787.7	787.2
160°	795.2	795.0	795.0	795.3	796.1	796.9	797.7	798.6	797.7	796.9	796.1
162.5°	803.1	803.0	802.9	803.2	804.0	804.9	805.6	806.5	805.6	804.9	804.0
165°	813.8	813.7	813.5	813.8	814.7	815.5	816.3	817.1	816.3	815.5	814.7
167.5°	821.6	821.4	821.3	821.7	822.5	823.4	824.3	825.1	824.3	823.4	822.5
170°	825.5	825.4	825.3	825.7	826.6	827.6	828.5	829.6	828.5	827.6	826.6
172.5°	828.8	828.5	828.3	828.6	829.7	830.6	831.6	832.5	831.6	830.6	829.7
175°	832.3	832.2	832.1	832.4	833.3	834.1	834.9	835.8	834.9	834.1	833.3
177.5°	834.5	834.4	834.3	834.6	835.3	835.9	836.5	837.3	836.5	835.9	835.3
180°	835.8	835.8	835.8	835.8	835.8	835.8	835.8	835.8	835.8	835.8	835.8



TEST NUMBER: P333178-927

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

**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	11.3	12.0	12.7	13.2
92.5°	6.5	6.5	7.4	8.2	9.0	9.9	10.6	11.3	12.0	12.7	13.1
95°	33.7	30.8	25.6	20.4	15.1	9.9	10.6	11.3	12.0	12.7	13.0
97.5°	76.7	71.9	61.6	51.2	40.8	30.5	26.6	22.7	18.9	15.0	13.0
100°	105.1	105.6	106.2	106.7	107.3	107.8	87.3	66.8	46.3	25.7	15.2
102.5°	135.8	136.2	136.6	136.9	137.2	137.5	133.6	129.8	125.9	122.0	115.4
105°	184.3	184.6	184.6	184.6	184.6	184.6	184.6	184.6	184.6	184.6	184.6
107.5°	232.4	232.6	232.8	233.1	233.4	233.7	233.7	233.8	233.8	233.8	233.6
110°	265.1	265.3	265.5	265.9	266.1	266.4	266.0	265.5	265.1	264.7	264.6



TEST NUMBER: P333178-927

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

**CANDELA DISTRIBUTION (continued):**

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	297.2	297.5	297.6	297.8	297.9	298.1	297.6	297.1	296.5	296.0	295.6
115°	344.8	345.2	345.3	345.4	345.5	345.7	345.2	344.6	344.0	343.5	342.8
117.5°	389.6	389.8	390.3	390.9	391.4	391.9	391.2	390.5	389.8	389.0	388.5
120°	418.8	419.0	419.4	419.9	420.3	420.6	420.4	420.1	419.9	419.5	419.1
122.5°	447.7	448.1	448.3	448.5	448.7	448.9	448.6	448.4	448.1	447.8	447.3
125°	490.2	490.7	490.7	490.7	490.7	490.7	490.1	489.6	489.0	488.5	488.0
127.5°	527.8	528.1	528.1	528.0	527.9	527.8	527.5	527.2	527.0	526.6	525.9
130°	551.7	552.1	552.2	552.3	552.5	552.6	552.2	551.8	551.4	551.0	550.4
132.5°	575.9	576.2	575.8	575.5	575.2	574.9	574.8	574.7	574.6	574.6	574.2
135°	609.8	610.1	609.8	609.5	609.3	609.0	608.7	608.5	608.2	607.9	607.4
137.5°	640.5	640.7	640.5	640.2	640.0	639.7	639.8	639.8	639.8	639.9	639.6
140°	659.0	659.1	658.9	658.9	658.7	658.5	658.9	659.1	659.4	659.7	659.4
142.5°	676.9	677.1	677.3	677.5	677.7	677.9	677.9	678.0	678.0	678.1	677.7
145°	704.3	704.4	704.4	704.4	704.4	704.4	704.6	704.6	704.8	705.0	704.6
147.5°	726.5	726.5	726.7	726.8	727.1	727.2	727.4	727.5	727.7	727.9	727.5
150°	740.5	740.5	740.8	741.0	741.3	741.6	741.9	742.1	742.4	742.7	742.3
152.5°	753.5	753.4	753.6	753.9	754.2	754.5	754.7	755.0	755.3	755.6	755.2
155°	771.1	770.8	771.1	771.3	771.7	771.9	772.3	772.8	773.2	773.6	773.2
157.5°	786.6	786.4	786.5	786.5	786.5	786.6	787.0	787.4	787.9	788.3	788.0
160°	795.3	795.0	795.0	795.2	795.4	795.4	796.0	796.5	797.1	797.6	797.4
162.5°	803.2	802.9	803.0	803.1	803.3	803.4	804.1	804.9	805.7	806.4	806.3
165°	813.8	813.5	813.7	813.8	813.9	814.0	814.9	815.7	816.5	817.4	817.2
167.5°	821.7	821.3	821.4	821.6	821.7	821.9	822.8	823.9	824.8	825.9	825.7
170°	825.7	825.3	825.4	825.5	825.7	825.9	827.0	828.0	829.1	830.2	830.1
172.5°	828.6	828.3	828.5	828.8	829.0	829.3	830.3	831.2	832.3	833.3	833.1
175°	832.4	832.1	832.2	832.3	832.5	832.7	833.8	834.8	835.9	837.0	836.9
177.5°	834.6	834.3	834.4	834.5	834.6	834.7	835.5	836.3	837.0	837.8	837.8
180°	835.8	835.8	835.8	835.8	835.8	835.8	835.8	835.8	835.8	835.8	835.8



TEST NUMBER: P333178-927

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

**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	11.3
92.5°	13.3	13.5	13.7	13.9	13.7	13.5	13.3	13.1	12.7	12.0	11.3
95°	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	12.7	12.0	11.3
97.5°	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	15.0	18.9	22.7
100°	14.7	14.1	13.5	13.0	13.5	14.1	14.7	15.2	25.7	46.3	66.8
102.5°	106.0	96.6	87.3	78.0	87.3	96.6	106.0	115.4	122.0	125.9	129.8
105°	184.4	184.3	184.1	184.0	184.1	184.3	184.4	184.6	184.6	184.6	184.6
107.5°	233.2	232.7	232.3	232.0	232.3	232.7	233.2	233.6	233.8	233.8	233.8
110°	264.7	264.9	265.0	265.1	265.0	264.9	264.7	264.6	264.7	265.1	265.5



TEST NUMBER: P333178-927

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

**CANDELA DISTRIBUTION (continued):**

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	295.5	295.2	295.1	294.9	295.1	295.2	295.5	295.6	296.0	296.5	297.1
115°	342.0	341.1	340.3	339.5	340.3	341.1	342.0	342.8	343.5	344.0	344.6
117.5°	388.2	387.8	387.5	387.1	387.5	387.8	388.2	388.5	389.0	389.8	390.5
120°	418.4	417.7	417.0	416.3	417.0	417.7	418.4	419.1	419.5	419.9	420.1
122.5°	446.5	445.7	444.9	444.1	444.9	445.7	446.5	447.3	447.8	448.1	448.4
125°	487.6	487.1	486.7	486.3	486.7	487.1	487.6	488.0	488.5	489.0	489.6
127.5°	525.0	523.9	522.9	521.9	522.9	523.9	525.0	525.9	526.6	527.0	527.2
130°	549.7	549.1	548.3	547.6	548.3	549.1	549.7	550.4	551.0	551.4	551.8
132.5°	573.5	572.8	572.1	571.5	572.1	572.8	573.5	574.2	574.6	574.6	574.7
135°	606.5	605.7	604.8	604.0	604.8	605.7	606.5	607.4	607.9	608.2	608.5
137.5°	638.9	638.2	637.5	636.8	637.5	638.2	638.9	639.6	639.9	639.8	639.8
140°	658.5	657.7	656.9	656.1	656.9	657.7	658.5	659.4	659.7	659.4	659.1
142.5°	676.9	676.0	675.3	674.4	675.3	676.0	676.9	677.7	678.1	678.0	678.0
145°	703.8	703.0	702.1	701.3	702.1	703.0	703.8	704.6	705.0	704.8	704.6
147.5°	726.4	725.5	724.5	723.5	724.5	725.5	726.4	727.5	727.9	727.7	727.5
150°	741.2	740.1	738.9	737.8	738.9	740.1	741.2	742.3	742.7	742.4	742.1
152.5°	754.2	753.2	752.3	751.2	752.3	753.2	754.2	755.2	755.6	755.3	755.0
155°	772.1	771.0	769.9	768.8	769.9	771.0	772.1	773.2	773.6	773.2	772.8
157.5°	786.9	785.8	784.7	783.5	784.7	785.8	786.9	788.0	788.3	787.9	787.4
160°	796.3	795.2	794.1	793.0	794.1	795.2	796.3	797.4	797.6	797.1	796.5
162.5°	805.0	803.8	802.6	801.5	802.6	803.8	805.0	806.3	806.4	805.7	804.9
165°	816.1	815.0	813.9	812.8	813.9	815.0	816.1	817.2	817.4	816.5	815.7
167.5°	824.4	823.2	822.0	820.8	822.0	823.2	824.4	825.7	825.9	824.8	823.9
170°	828.9	827.7	826.4	825.2	826.4	827.7	828.9	830.1	830.2	829.1	828.0
172.5°	831.9	830.7	829.4	828.1	829.4	830.7	831.9	833.1	833.3	832.3	831.2
175°	835.8	834.5	833.3	832.0	833.3	834.5	835.8	836.9	837.0	835.9	834.8
177.5°	836.9	836.0	835.1	834.2	835.1	836.0	836.9	837.8	837.8	837.0	836.3
180°	835.8	835.8	835.8	835.8	835.8	835.8	835.8	835.8	835.8	835.8	835.8



TEST NUMBER: P333178-927

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

**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°	10.6	9.9	9.0	8.2	7.4	6.5	6.5	7.2	8.0	8.8	9.5
95°	10.6	9.9	15.1	20.4	25.6	30.8	33.7	34.1	34.5	34.9	35.3
97.5°	26.6	30.5	40.8	51.2	61.6	71.9	76.7	76.0	75.2	74.5	73.8
100°	87.3	107.8	107.3	106.7	106.2	105.6	105.1	104.7	104.3	103.9	103.5
102.5°	133.6	137.5	137.2	136.9	136.6	136.2	135.8	135.2	134.8	134.2	133.7
105°	184.6	184.6	184.6	184.6	184.6	184.6	184.3	183.8	183.2	182.7	182.1
107.5°	233.7	233.7	233.4	233.1	232.8	232.6	232.4	232.4	232.4	232.4	232.4
110°	266.0	266.4	266.1	265.9	265.5	265.3	265.1	265.1	265.1	265.1	265.1



TEST NUMBER: P333178-927

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

**CANDELA DISTRIBUTION (continued):**

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	297.6	298.1	297.9	297.8	297.6	297.5	297.2	296.9	296.5	296.2	295.9
115°	345.2	345.7	345.5	345.4	345.3	345.2	344.8	344.0	343.3	342.7	342.0
117.5°	391.2	391.9	391.4	390.9	390.3	389.8	389.6	389.6	389.6	389.7	389.7
120°	420.4	420.6	420.3	419.9	419.4	419.0	418.8	419.0	419.1	419.3	419.4
122.5°	448.6	448.9	448.7	448.5	448.3	448.1	447.7	447.3	446.7	446.2	445.7
125°	490.1	490.7	490.7	490.7	490.7	490.7	490.2	489.3	488.2	487.3	486.3
127.5°	527.5	527.8	527.9	528.0	528.1	528.1	527.8	527.2	526.5	525.8	525.1
130°	552.2	552.6	552.5	552.3	552.2	552.1	551.7	551.0	550.2	549.6	548.9
132.5°	574.8	574.9	575.2	575.5	575.8	576.2	575.9	575.0	574.3	573.5	572.7
135°	608.7	609.0	609.3	609.5	609.8	610.1	609.8	609.0	608.2	607.4	606.5
137.5°	639.8	639.7	640.0	640.2	640.5	640.7	640.5	639.8	639.1	638.3	637.6
140°	658.9	658.5	658.7	658.9	658.9	659.1	659.0	658.8	658.5	658.2	657.9
142.5°	677.9	677.9	677.7	677.5	677.3	677.1	676.9	676.8	676.6	676.4	676.3
145°	704.6	704.4	704.4	704.4	704.4	704.4	704.3	704.0	703.7	703.5	703.1
147.5°	727.4	727.2	727.1	726.8	726.7	726.5	726.5	726.5	726.6	726.7	726.7
150°	741.9	741.6	741.3	741.0	740.8	740.5	740.5	740.8	741.0	741.3	741.6
152.5°	754.7	754.5	754.2	753.9	753.6	753.4	753.5	754.2	754.7	755.3	756.0
155°	772.3	771.9	771.7	771.3	771.1	770.8	771.1	771.9	772.8	773.6	774.4
157.5°	787.0	786.6	786.5	786.5	786.5	786.4	786.6	787.2	787.7	788.1	788.6
160°	796.0	795.4	795.4	795.2	795.0	795.0	795.3	796.1	796.9	797.7	798.6
162.5°	804.1	803.4	803.3	803.1	803.0	802.9	803.2	804.0	804.9	805.6	806.5
165°	814.9	814.0	813.9	813.8	813.7	813.5	813.8	814.7	815.5	816.3	817.1
167.5°	822.8	821.9	821.7	821.6	821.4	821.3	821.7	822.5	823.4	824.3	825.1
170°	827.0	825.9	825.7	825.5	825.4	825.3	825.7	826.6	827.6	828.5	829.6
172.5°	830.3	829.3	829.0	828.8	828.5	828.3	828.6	829.7	830.6	831.6	832.5
175°	833.8	832.7	832.5	832.3	832.2	832.1	832.4	833.3	834.1	834.9	835.8
177.5°	835.5	834.7	834.6	834.5	834.4	834.3	834.6	835.3	835.9	836.5	837.3
180°	835.8	835.8	835.8	835.8	835.8	835.8	835.8	835.8	835.8	835.8	835.8



TEST NUMBER: P333178-927

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

**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	11.3
92.5°	8.8	8.0	7.2	6.5	6.5	7.4	8.2	9.0	9.9	10.6	11.3
95°	34.9	34.5	34.1	33.7	30.8	25.6	20.4	15.1	9.9	10.6	11.3
97.5°	74.5	75.2	76.0	76.7	71.9	61.6	51.2	40.8	30.5	26.6	22.7
100°	103.9	104.3	104.7	105.1	105.6	106.2	106.7	107.3	107.8	87.3	66.8
102.5°	134.2	134.8	135.2	135.8	136.2	136.6	136.9	137.2	137.5	133.6	129.8
105°	182.7	183.2	183.8	184.3	184.6	184.6	184.6	184.6	184.6	184.6	184.6
107.5°	232.4	232.4	232.4	232.4	232.6	232.8	233.1	233.4	233.7	233.7	233.8
110°	265.1	265.1	265.1	265.1	265.3	265.5	265.9	266.1	266.4	266.0	265.5





TEST NUMBER: P333178-927

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

**CANDELA DISTRIBUTION (continued):**

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	296.2	296.5	296.9	297.2	297.5	297.6	297.8	297.9	298.1	297.6	297.1
115°	342.7	343.3	344.0	344.8	345.2	345.3	345.4	345.5	345.7	345.2	344.6
117.5°	389.7	389.6	389.6	389.6	389.8	390.3	390.9	391.4	391.9	391.2	390.5
120°	419.3	419.1	419.0	418.8	419.0	419.4	419.9	420.3	420.6	420.4	420.1
122.5°	446.2	446.7	447.3	447.7	448.1	448.3	448.5	448.7	448.9	448.6	448.4
125°	487.3	488.2	489.3	490.2	490.7	490.7	490.7	490.7	490.7	490.1	489.6
127.5°	525.8	526.5	527.2	527.8	528.1	528.1	528.0	527.9	527.8	527.5	527.2
130°	549.6	550.2	551.0	551.7	552.1	552.2	552.3	552.5	552.6	552.2	551.8
132.5°	573.5	574.3	575.0	575.9	576.2	575.8	575.5	575.2	574.9	574.8	574.7
135°	607.4	608.2	609.0	609.8	610.1	609.8	609.5	609.3	609.0	608.7	608.5
137.5°	638.3	639.1	639.8	640.5	640.7	640.5	640.2	640.0	639.7	639.8	639.8
140°	658.2	658.5	658.8	659.0	659.1	658.9	658.9	658.7	658.5	658.9	659.1
142.5°	676.4	676.6	676.8	676.9	677.1	677.3	677.5	677.7	677.9	677.9	678.0
145°	703.5	703.7	704.0	704.3	704.4	704.4	704.4	704.4	704.4	704.6	704.6
147.5°	726.7	726.6	726.5	726.5	726.5	726.7	726.8	727.1	727.2	727.4	727.5
150°	741.3	741.0	740.8	740.5	740.5	740.8	741.0	741.3	741.6	741.9	742.1
152.5°	755.3	754.7	754.2	753.5	753.4	753.6	753.9	754.2	754.5	754.7	755.0
155°	773.6	772.8	771.9	771.1	770.8	771.1	771.3	771.7	771.9	772.3	772.8
157.5°	788.1	787.7	787.2	786.6	786.4	786.5	786.5	786.5	786.6	787.0	787.4
160°	797.7	796.9	796.1	795.3	795.0	795.0	795.2	795.4	795.4	796.0	796.5
162.5°	805.6	804.9	804.0	803.2	802.9	803.0	803.1	803.3	803.4	804.1	804.9
165°	816.3	815.5	814.7	813.8	813.5	813.7	813.8	813.9	814.0	814.9	815.7
167.5°	824.3	823.4	822.5	821.7	821.3	821.4	821.6	821.7	821.9	822.8	823.9
170°	828.5	827.6	826.6	825.7	825.3	825.4	825.5	825.7	825.9	827.0	828.0
172.5°	831.6	830.6	829.7	828.6	828.3	828.5	828.8	829.0	829.3	830.3	831.2
175°	834.9	834.1	833.3	832.4	832.1	832.2	832.3	832.5	832.7	833.8	834.8
177.5°	836.5	835.9	835.3	834.6	834.3	834.4	834.5	834.6	834.7	835.5	836.3
180°	835.8	835.8	835.8	835.8	835.8	835.8	835.8	835.8	835.8	835.8	835.8



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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°	12.0	12.7	13.1	13.3	13.5	13.7	13.9
95°	12.0	12.7	13.0	13.0	13.0	13.0	13.0
97.5°	18.9	15.0	13.0	13.0	13.0	13.0	13.0
100°	46.3	25.7	15.2	14.7	14.1	13.5	13.0
102.5°	125.9	122.0	115.4	106.0	96.6	87.3	78.0
105°	184.6	184.6	184.6	184.4	184.3	184.1	184.0
107.5°	233.8	233.8	233.6	233.2	232.7	232.3	232.0
110°	265.1	264.7	264.6	264.7	264.9	265.0	265.1



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**CANDELA DISTRIBUTION (continued):**

	330°	335°	340°	345°	350°	355°	360°
112.5°	296.5	296.0	295.6	295.5	295.2	295.1	294.9
115°	344.0	343.5	342.8	342.0	341.1	340.3	339.5
117.5°	389.8	389.0	388.5	388.2	387.8	387.5	387.1
120°	419.9	419.5	419.1	418.4	417.7	417.0	416.3
122.5°	448.1	447.8	447.3	446.5	445.7	444.9	444.1
125°	489.0	488.5	488.0	487.6	487.1	486.7	486.3
127.5°	527.0	526.6	525.9	525.0	523.9	522.9	521.9
130°	551.4	551.0	550.4	549.7	549.1	548.3	547.6
132.5°	574.6	574.6	574.2	573.5	572.8	572.1	571.5
135°	608.2	607.9	607.4	606.5	605.7	604.8	604.0
137.5°	639.8	639.9	639.6	638.9	638.2	637.5	636.8
140°	659.4	659.7	659.4	658.5	657.7	656.9	656.1
142.5°	678.0	678.1	677.7	676.9	676.0	675.3	674.4
145°	704.8	705.0	704.6	703.8	703.0	702.1	701.3
147.5°	727.7	727.9	727.5	726.4	725.5	724.5	723.5
150°	742.4	742.7	742.3	741.2	740.1	738.9	737.8
152.5°	755.3	755.6	755.2	754.2	753.2	752.3	751.2
155°	773.2	773.6	773.2	772.1	771.0	769.9	768.8
157.5°	787.9	788.3	788.0	786.9	785.8	784.7	783.5
160°	797.1	797.6	797.4	796.3	795.2	794.1	793.0
162.5°	805.7	806.4	806.3	805.0	803.8	802.6	801.5
165°	816.5	817.4	817.2	816.1	815.0	813.9	812.8
167.5°	824.8	825.9	825.7	824.4	823.2	822.0	820.8
170°	829.1	830.2	830.1	828.9	827.7	826.4	825.2
172.5°	832.3	833.3	833.1	831.9	830.7	829.4	828.1
175°	835.9	837.0	836.9	835.8	834.5	833.3	832.0
177.5°	837.0	837.8	837.8	836.9	836.0	835.1	834.2
180°	835.8	835.8	835.8	835.8	835.8	835.8	835.8

(END OF REPORT)