

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: P332554-927

Luminaire Tested: **SA4XXDIP-C575D810U927-4F0-1E-UDD-A1**

Issue Date: 10/7/2019

**Test Information**

Test Method: LM-79-08  
Report Number: P332554-927  
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1807-864-10,  
Test Lab: INNOVATION CENTER  
Issue Date: 10/7/2019  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: NEO-RAY  
Catalog Number: SA4XXDIP-C575D810U927-4F0-1E-UDD-A1  
Description: DEFINE 4 DIRECT-INDIRECT PENDANT LED LUMINAIRE  
DOWNLIGHT 575 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: 4277.0 lumens  
Efficiency: N/A  
Efficacy: 111.4 lumens/watt  
Spacing Criteria (0/90/45): 1.31 / 1.23 / 1.41  
Luminous Opening: Rectangular (W 4' x L: 0.33' x H: 0')  
CIE Type: General Diffuse

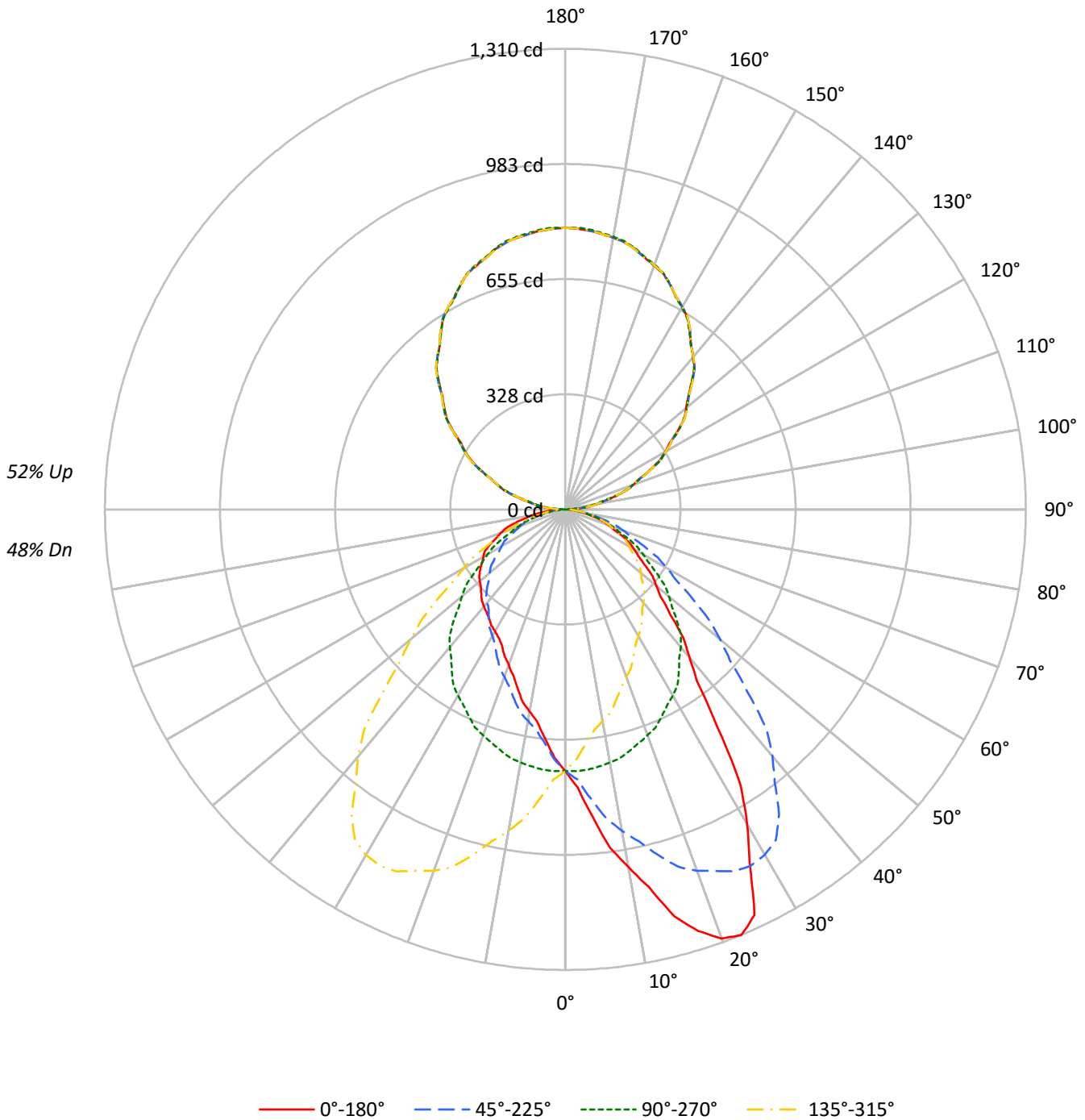
Input Watts (W): 38.4  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	50	30	10	0	
RCR																						
0	107	107	107	107	98	98	98	98	82	82	82	68	68	68	54	54	54	48	48	48	48	
1	98	93	89	86	90	86	83	80	72	70	68	60	58	57	48	47	46	41	41	41	41	
2	89	82	76	71	82	75	70	66	64	60	57	53	50	48	43	41	39	35	35	35	35	
3	81	72	65	59	75	67	60	55	56	52	48	47	43	41	38	36	34	30	30	30	30	
4	74	64	56	50	68	59	52	47	50	45	41	42	38	35	34	31	29	26	26	26	26	
5	68	57	49	43	63	53	46	40	45	40	35	38	34	30	31	28	26	22	22	22	22	
6	63	51	43	37	58	48	40	35	41	35	31	34	30	27	28	25	23	20	20	20	20	
7	58	46	38	33	54	43	36	31	37	31	27	31	27	24	26	23	20	18	18	18	18	
8	54	42	34	29	50	39	32	27	34	28	24	28	24	21	24	20	18	16	16	16	16	
9	50	38	31	26	46	36	29	25	31	26	22	26	22	19	22	19	16	14	14	14	14	
10	47	35	28	23	43	33	26	22	28	23	20	24	20	17	20	17	15	13	13	13	13	

**AVERAGE LUMINANCE (cd/sqm):**

	0°	90°	180°	270°
0°	6006	6006	6006	6006
5°	7074	6022	5315	6022
10°	8470	5996	4786	5996
15°	10021	5935	4395	5935
20°	11159	5874	4046	5874
25°	11339	5782	3805	5782
30°	9648	5695	3730	5695
35°	7418	5552	3730	5552
40°	5782	5385	3800	5385
45°	4820	5134	3863	5134
50°	4243	4828	3995	4828
55°	3887	4460	4155	4460
60°	3643	4130	4350	4130
65°	3391	3761	4510	3761
70°	3099	3397	4612	3397
75°	2770	2991	4557	2991
80°	2320	2450	4412	2450
85°	1714	1769	4224	1769



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	72.5	1.7
10°-20°	223.4	5.2
20°-30°	354.3	8.3
30°-40°	394.3	9.2
40°-50°	358.9	8.4
50°-60°	293.3	6.9
60°-70°	209.4	4.9
70°-80°	115.3	2.7
80°-90°	33.9	0.8
90°-100°	52.8	1.2
100°-110°	156.5	3.7
110°-120°	265.6	6.2
120°-130°	350.2	8.2
130°-140°	393.3	9.2
140°-150°	386.4	9.0
150°-160°	325.0	7.6
160°-170°	216.2	5.1
170°-180°	75.7	1.8
0°-30°	650.2	15.2
0°-40°	1044.5	24.4
0°-60°	1696.7	39.7
0°-90°	2055.3	48.1
90°-120°	474.9	11.1
90°-150°	1604.7	37.5
90°-180°	2222.0	52.0
0°-180°	4277.0	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	744	744	744	744	744	
5°	873	743	656	743	873	89
15°	1199	710	526	710	1199	339
25°	1273	649	427	649	1273	561
35°	753	563	378	563	753	478
45°	422	450	338	450	422	333
55°	276	317	295	317	276	249
65°	178	197	236	197	178	176
75°	89	96	146	96	89	94
85°	18	19	46	19	18	23
90°	19	2	19	2	19	10
95°	49	37	49	37	49	51
105°	151	144	151	144	151	159
115°	268	270	268	270	268	264
125°	390	393	390	393	390	348
135°	508	507	508	507	508	392
145°	617	616	617	616	617	386
155°	705	706	705	706	705	325
165°	767	769	767	769	767	216
175°	796	800	796	800	796	76
180°	801	801	801	801	801	



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	744.0	744.0	744.0	744.0	744.0	744.0	744.0	744.0	744.0	744.0	744.0
2.5°	791.9	791.6	789.2	788.7	787.0	784.7	784.3	780.3	772.4	768.7	767.7
5°	872.9	879.1	871.0	869.5	868.5	858.4	853.2	847.0	832.8	824.5	818.0
7.5°	969.6	970.3	966.8	963.9	956.1	947.2	933.9	919.7	902.9	885.3	872.0
10°	1033.2	1035.6	1031.7	1031.0	1015.3	1005.4	985.7	969.1	949.9	928.7	909.3
12.5°	1100.3	1096.8	1094.7	1081.6	1078.6	1060.7	1037.8	1020.6	991.1	966.6	940.8
15°	1199.0	1192.2	1187.9	1169.7	1160.8	1135.8	1111.4	1092.7	1054.2	1017.5	989.7
17.5°	1257.0	1263.7	1253.7	1246.3	1223.1	1205.6	1180.7	1141.3	1111.1	1065.6	1030.5
20°	1298.9	1299.5	1294.0	1286.2	1268.0	1245.9	1218.7	1175.6	1139.5	1094.2	1046.1
22.5°	1310.2	1310.3	1308.0	1300.8	1287.0	1269.0	1241.7	1205.6	1162.0	1112.7	1064.6
25°	1273.0	1271.8	1274.5	1282.5	1277.3	1271.8	1256.0	1229.2	1188.5	1136.4	1084.7
27.5°	1134.6	1143.1	1158.8	1178.5	1197.5	1212.0	1216.1	1210.6	1185.3	1142.5	1088.3
30°	1035.0	1045.5	1057.2	1077.0	1115.2	1137.0	1161.1	1179.2	1169.1	1134.9	1084.3
32.5°	925.5	928.1	945.5	968.0	1003.0	1045.0	1083.2	1120.1	1132.3	1114.4	1072.2
35°	752.7	757.0	775.8	798.0	840.8	892.3	949.7	1000.8	1043.1	1060.0	1038.4
37.5°	614.3	626.6	639.8	663.7	701.5	747.8	807.4	873.5	936.5	978.7	985.8
40°	548.7	556.3	565.9	584.1	616.2	661.8	712.9	788.8	855.6	916.1	935.8
42.5°	496.9	501.4	507.2	523.6	548.1	593.4	640.2	706.9	774.0	846.3	879.3
45°	422.2	426.9	436.7	446.3	464.8	496.2	539.7	594.5	662.0	731.7	792.7
47.5°	368.4	371.4	377.2	387.5	403.1	423.9	459.2	505.0	567.6	635.3	700.3
50°	337.8	340.2	344.9	354.2	366.1	384.7	413.6	456.5	505.5	573.6	637.4
52.5°	313.6	314.7	318.1	324.3	333.9	349.4	373.2	408.6	454.2	514.9	578.5
55°	276.2	277.4	280.5	285.1	293.4	303.3	321.5	348.0	387.8	440.5	495.6
57.5°	245.3	246.2	248.8	250.6	257.5	265.5	279.4	298.3	328.5	373.2	422.5
60°	225.6	225.0	228.1	229.7	234.2	241.1	251.8	270.0	296.2	332.2	377.6
62.5°	206.4	205.5	208.1	210.2	212.8	218.6	227.4	241.6	262.9	295.6	334.7
65°	177.5	176.3	177.8	180.3	182.8	185.8	192.3	204.9	221.9	245.3	275.2
67.5°	148.5	149.9	150.1	151.3	152.7	156.9	161.4	170.3	182.3	201.1	226.3
70°	131.3	131.6	132.8	132.8	133.8	137.4	141.2	146.4	158.1	175.4	196.1
72.5°	114.1	115.3	114.9	115.8	116.5	119.0	121.7	126.7	136.7	149.5	166.9
75°	88.8	89.7	89.7	90.0	90.9	91.8	94.0	97.7	104.8	114.3	126.4
77.5°	64.7	64.9	65.3	66.4	66.4	67.9	69.5	72.4	76.0	82.5	89.8
80°	49.9	50.5	50.2	50.9	50.9	52.1	52.7	56.4	57.9	62.3	68.1
82.5°	36.6	37.2	37.2	38.0	38.5	38.7	39.6	41.1	42.6	46.5	48.9
85°	18.5	19.1	18.5	19.1	20.0	20.4	21.2	21.5	22.8	23.8	25.9
87.5°	9.1	9.8	9.7	10.0	10.4	10.5	10.6	10.2	11.0	11.1	11.9
90°	18.6	18.3	18.1	17.7	17.5	17.0	16.1	15.3	14.4	13.6	12.5
92.5°	27.5	27.3	27.2	27.0	26.9	26.5	26.0	25.5	25.0	24.6	23.8
95°	49.0	49.0	49.0	49.0	49.0	48.7	48.3	47.9	47.5	47.1	46.1
97.5°	76.7	76.7	76.7	76.7	76.7	76.4	75.9	75.4	74.9	74.5	73.3
100°	96.0	96.0	96.0	96.0	96.0	95.9	95.6	95.3	95.1	94.7	93.5
102.5°	117.8	117.7	117.6	117.5	117.3	117.1	116.7	116.4	116.0	115.6	114.5
105°	151.1	150.7	150.3	149.9	149.5	149.0	148.6	148.2	147.8	147.4	146.9
107.5°	183.5	183.6	183.6	183.6	183.7	183.5	183.1	182.8	182.4	182.0	181.9
110°	206.8	206.4	206.0	205.7	205.2	205.1	205.4	205.7	206.0	206.2	206.4



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**CANDELA DISTRIBUTION (continued):**

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	230.6	230.5	230.4	230.4	230.3	230.3	230.4	230.4	230.4	230.5	230.8
115°	267.5	267.7	267.8	268.0	268.1	268.2	268.4	268.5	268.6	268.8	269.0
117.5°	302.7	303.0	303.2	303.6	303.8	304.2	304.7	305.1	305.6	306.1	306.3
120°	329.5	329.2	328.9	328.7	328.4	328.6	329.2	329.9	330.7	331.4	331.8
122.5°	351.8	352.3	352.8	353.2	353.8	354.3	354.7	355.1	355.6	356.1	356.3
125°	390.1	390.5	390.7	391.0	391.3	391.6	391.8	392.1	392.4	392.7	392.8
127.5°	425.7	426.0	426.2	426.4	426.6	426.8	427.1	427.4	427.7	427.9	428.2
130°	449.0	449.6	450.1	450.7	451.2	451.6	451.9	452.2	452.4	452.7	452.7
132.5°	473.8	474.0	474.2	474.4	474.7	474.9	475.2	475.5	475.7	476.0	476.1
135°	507.9	508.3	508.7	509.1	509.5	509.8	510.1	510.4	510.6	511.0	511.0
137.5°	543.7	543.5	543.4	543.4	543.3	543.4	543.8	544.2	544.5	544.9	544.6
140°	565.5	565.5	565.7	565.9	566.0	566.1	566.3	566.4	566.6	566.6	566.6
142.5°	587.2	587.2	587.3	587.3	587.3	587.4	587.4	587.4	587.5	587.5	587.6
145°	616.9	617.3	617.7	618.1	618.5	618.8	618.9	619.0	619.2	619.3	619.2
147.5°	646.8	647.0	647.1	647.2	647.4	647.5	647.6	647.7	647.8	647.9	648.0
150°	665.1	665.3	665.4	665.6	665.7	665.7	665.7	665.7	665.7	665.7	665.7
152.5°	682.0	682.4	682.7	683.1	683.4	683.4	683.1	682.8	682.5	682.1	682.0
155°	705.4	705.9	706.5	707.0	707.6	707.6	707.0	706.5	705.9	705.4	705.5
157.5°	726.4	726.8	727.3	727.8	728.2	728.3	727.9	727.4	727.0	726.6	726.6
160°	738.2	738.9	739.6	740.3	741.0	741.1	740.7	740.3	739.9	739.5	739.6
162.5°	750.6	751.3	752.0	752.7	753.4	753.4	752.6	751.9	751.1	750.4	750.5
165°	766.8	767.2	767.8	768.3	768.9	768.8	767.9	767.1	766.3	765.5	765.7
167.5°	778.2	779.1	779.9	780.8	781.6	781.6	780.9	780.0	779.2	778.3	778.3
170°	784.7	785.6	786.6	787.6	788.5	788.6	787.7	787.0	786.1	785.3	785.1
172.5°	790.1	791.1	792.0	793.1	794.0	794.0	793.1	792.1	791.2	790.3	790.2
175°	795.8	796.8	797.7	798.7	799.7	799.7	798.7	797.7	796.8	795.8	796.0
177.5°	798.8	799.7	800.6	801.5	802.3	802.4	801.6	800.8	800.0	799.3	799.3
180°	800.7	800.7	800.7	800.7	800.7	800.7	800.7	800.7	800.7	800.7	800.7



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**CANDELA DISTRIBUTION (continued):**

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	744.0	744.0	744.0	744.0	744.0	744.0	744.0	744.0	744.0	744.0	744.0
2.5°	767.9	764.5	762.1	760.1	754.6	751.5	749.0	745.5	741.6	737.4	732.2
5°	811.6	801.1	793.4	781.6	770.6	761.3	751.8	743.1	732.6	721.3	712.9
7.5°	857.4	841.8	821.8	804.5	785.0	768.0	752.9	737.4	721.2	705.5	691.2
10°	886.5	866.4	844.2	818.0	793.4	771.5	751.1	731.4	712.3	693.2	676.8
12.5°	917.7	892.8	860.0	829.3	801.8	772.5	747.9	723.7	700.7	680.6	661.6
15°	959.8	923.8	885.8	844.9	808.5	774.3	740.7	710.1	684.3	657.7	639.3
17.5°	985.6	941.0	897.7	854.8	810.8	767.6	731.4	696.2	663.8	637.5	614.2
20°	1002.7	958.3	904.4	861.5	809.1	764.7	722.8	683.7	649.7	621.7	597.6
22.5°	1017.5	966.1	912.2	855.8	803.7	756.5	710.7	671.3	636.7	607.1	584.1
25°	1025.5	966.6	908.0	851.9	792.7	737.0	695.4	649.1	612.1	581.0	556.3
27.5°	1026.4	963.4	897.1	834.8	773.7	721.8	669.2	627.9	589.5	556.6	532.9
30°	1023.6	958.0	886.8	819.3	758.0	701.5	655.9	610.9	571.7	539.1	514.4
32.5°	1014.9	946.6	873.5	802.0	738.5	683.3	636.2	593.4	555.2	523.1	497.2
35°	990.0	922.5	844.5	770.2	705.2	649.4	606.9	563.4	525.2	494.7	469.8
37.5°	951.0	889.9	810.7	733.8	669.9	613.9	571.7	532.5	498.0	467.0	441.4
40°	917.0	863.3	783.8	708.9	639.8	586.5	547.1	511.0	476.8	447.5	423.2
42.5°	877.7	831.0	757.6	678.3	611.7	558.2	519.8	487.4	455.1	428.1	403.7
45°	807.9	777.1	708.0	634.6	565.3	514.8	478.1	449.7	422.6	396.1	375.7
47.5°	727.5	712.2	654.0	584.4	518.6	468.7	437.0	410.7	387.0	364.5	346.6
50°	673.4	666.1	615.8	548.7	485.8	438.9	406.9	384.4	364.0	344.3	327.3
52.5°	620.2	620.0	574.6	513.1	455.0	409.8	378.0	357.0	339.4	323.3	308.1
55°	538.8	547.4	512.0	457.1	405.0	364.3	335.6	316.9	304.5	291.3	279.9
57.5°	464.0	478.3	449.1	400.8	357.3	319.8	294.9	280.7	267.6	259.6	251.3
60°	415.2	428.7	405.9	365.3	324.2	292.2	268.5	255.8	244.4	238.8	233.0
62.5°	371.8	383.9	366.9	329.2	293.7	262.8	242.8	230.7	223.0	216.9	213.0
65°	309.7	320.0	305.5	278.1	247.5	222.8	206.5	196.9	189.6	187.1	182.8
67.5°	250.4	259.7	251.8	228.5	204.1	185.4	172.6	163.4	159.1	156.9	153.8
70°	215.2	224.4	216.0	195.7	176.9	161.2	149.2	143.9	139.3	138.4	134.1
72.5°	185.3	191.6	183.2	167.4	151.3	138.0	128.7	123.3	120.8	119.1	116.8
75°	139.0	144.6	139.0	126.7	115.3	106.0	98.0	95.9	93.1	92.1	90.6
77.5°	98.4	103.2	98.9	91.3	82.7	75.6	71.3	68.5	67.9	66.3	67.0
80°	75.2	78.3	74.3	69.1	62.3	57.4	54.3	52.7	50.9	50.2	51.5
82.5°	54.0	55.4	53.3	49.8	44.8	41.5	39.5	37.6	37.3	37.4	37.4
85°	28.0	27.7	27.4	24.3	22.8	20.7	19.4	19.1	18.8	19.4	20.0
87.5°	11.6	11.6	11.2	10.0	9.0	7.8	7.4	6.8	7.4	7.8	8.4
90°	11.4	10.3	9.2	7.9	6.4	4.9	3.4	1.8	3.4	4.9	6.4
92.5°	23.0	22.2	21.5	20.2	18.5	16.7	15.0	13.2	15.0	16.7	18.5
95°	45.2	44.2	43.3	42.1	40.9	39.6	38.4	37.2	38.4	39.6	40.9
97.5°	72.2	71.1	69.9	68.8	67.9	66.9	65.9	64.9	65.9	66.9	67.9
100°	92.3	91.0	89.8	88.9	88.3	87.8	87.2	86.7	87.2	87.8	88.3
102.5°	113.3	112.2	111.1	110.4	110.2	110.0	109.7	109.5	109.7	110.0	110.2
105°	146.3	145.8	145.2	144.9	144.7	144.6	144.4	144.3	144.4	144.6	144.7
107.5°	181.8	181.7	181.6	181.5	181.3	181.2	181.0	180.9	181.0	181.2	181.3
110°	206.5	206.7	206.8	206.7	206.4	206.1	205.9	205.7	205.9	206.1	206.4





TEST NUMBER: P332554-927

CATALOG NUMBER: SA4XXDIP-C575D810U927-4F0-1E-UDD-A1

**CANDELA DISTRIBUTION (continued):**

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	231.0	231.2	231.5	231.6	231.6	231.5	231.4	231.4	231.4	231.5	231.6
115°	269.3	269.6	269.9	270.1	270.1	270.1	270.1	270.1	270.1	270.1	270.1
117.5°	306.4	306.7	306.8	306.9	306.7	306.7	306.6	306.4	306.6	306.7	306.7
120°	332.2	332.6	333.0	333.0	332.4	331.8	331.3	330.7	331.3	331.8	332.4
122.5°	356.5	356.7	356.9	356.9	356.6	356.4	356.2	356.0	356.2	356.4	356.6
125°	392.9	393.1	393.2	393.2	393.2	393.2	393.2	393.2	393.2	393.2	393.2
127.5°	428.4	428.6	428.8	428.7	428.3	427.9	427.5	427.1	427.5	427.9	428.3
130°	452.7	452.7	452.7	452.5	452.1	451.7	451.3	450.8	451.3	451.7	452.1
132.5°	476.3	476.3	476.4	476.3	476.0	475.8	475.5	475.2	475.5	475.8	476.0
135°	511.0	511.0	511.0	510.6	509.7	508.9	508.0	507.2	508.0	508.9	509.7
137.5°	544.5	544.2	544.0	543.7	543.3	542.9	542.6	542.2	542.6	542.9	543.3
140°	566.6	566.6	566.6	566.6	566.3	566.0	565.7	565.5	565.7	566.0	566.3
142.5°	587.7	587.8	588.0	587.9	587.6	587.3	587.0	586.8	587.0	587.3	587.6
145°	619.0	618.9	618.8	618.5	617.9	617.3	616.8	616.2	616.8	617.3	617.9
147.5°	648.2	648.2	648.4	648.1	647.5	646.7	646.1	645.5	646.1	646.7	647.5
150°	665.7	665.7	665.7	665.5	665.0	664.4	663.8	663.3	663.8	664.4	665.0
152.5°	681.9	681.8	681.7	681.4	681.1	680.8	680.5	680.2	680.5	680.8	681.1
155°	705.7	705.8	705.9	706.0	706.0	706.0	706.0	706.0	706.0	706.0	706.0
157.5°	726.7	726.7	726.7	726.8	727.1	727.3	727.5	727.9	727.5	727.3	727.1
160°	739.7	739.9	740.0	740.1	740.3	740.5	740.5	740.7	740.5	740.5	740.3
162.5°	750.7	750.8	750.9	751.1	751.5	751.9	752.3	752.6	752.3	751.9	751.5
165°	766.0	766.3	766.6	766.9	767.3	767.8	768.2	768.6	768.2	767.8	767.3
167.5°	778.3	778.2	778.2	778.6	779.1	779.7	780.2	780.9	780.2	779.7	779.1
170°	785.1	784.9	784.7	785.1	785.7	786.4	787.1	787.7	787.1	786.4	785.7
172.5°	790.2	790.2	790.1	790.4	791.0	791.5	792.2	792.7	792.2	791.5	791.0
175°	796.1	796.2	796.4	796.8	797.5	798.1	798.8	799.5	798.8	798.1	797.5
177.5°	799.3	799.3	799.3	799.5	800.1	800.7	801.2	801.8	801.2	800.7	800.1
180°	800.7	800.7	800.7	800.7	800.7	800.7	800.7	800.7	800.7	800.7	800.7



TEST NUMBER: P332554-927

CATALOG NUMBER: SA4XXDIP-C575D810U927-4F0-1E-UDD-A1

**CANDELA DISTRIBUTION (continued):**

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	744.0	744.0	744.0	744.0	744.0	744.0	744.0	744.0	744.0	744.0	744.0
2.5°	729.8	727.5	724.3	719.9	716.2	712.3	711.2	709.8	712.7	710.3	709.6
5°	705.8	699.3	691.0	681.5	676.0	667.9	666.4	663.3	660.2	659.9	656.8
7.5°	680.5	671.0	660.1	650.4	641.4	632.6	626.9	625.7	621.1	618.5	615.4
10°	664.2	652.5	639.8	630.7	620.1	610.9	604.4	600.7	597.6	594.2	591.2
12.5°	645.0	632.6	622.1	612.1	599.7	592.6	582.0	575.6	575.0	575.0	567.0
15°	622.6	610.3	594.2	580.1	573.3	559.8	553.9	546.4	541.9	537.3	533.5
17.5°	597.1	581.7	569.2	552.9	540.0	529.2	521.4	517.0	510.1	503.5	498.8
20°	581.0	564.7	551.4	534.2	520.0	506.8	500.3	494.1	488.9	483.3	478.1
22.5°	564.7	547.6	531.5	514.7	501.5	487.5	481.3	472.9	467.9	464.8	459.5
25°	539.1	520.6	502.1	486.1	472.5	460.2	451.9	445.4	439.8	437.4	434.0
27.5°	511.2	492.8	475.0	456.8	441.4	432.5	425.8	420.9	417.7	414.5	412.9
30°	493.5	474.4	455.3	438.3	424.1	415.2	409.0	405.6	403.1	401.6	400.1
32.5°	475.5	456.6	436.5	421.0	408.4	400.4	395.7	392.3	391.1	390.5	390.0
35°	446.6	427.5	409.0	395.1	383.1	380.0	376.0	374.1	373.6	375.7	376.7
37.5°	418.7	400.9	383.9	370.5	362.6	358.1	356.7	356.8	359.0	360.9	363.1
40°	400.7	383.4	367.4	355.7	348.3	345.5	344.9	346.4	348.9	351.1	353.6
42.5°	383.2	366.1	351.6	340.6	335.5	333.0	333.4	334.9	338.3	341.0	344.7
45°	356.0	341.8	327.6	318.7	314.4	315.0	315.0	317.7	321.2	325.2	329.2
47.5°	330.4	316.1	304.4	296.9	294.7	294.1	295.9	299.5	304.4	309.3	315.0
50°	313.1	299.6	289.4	282.7	280.2	281.1	283.6	286.9	292.8	299.0	304.8
52.5°	295.6	283.3	273.9	267.6	265.9	267.5	270.0	275.4	280.5	287.2	294.2
55°	268.5	258.0	250.6	246.0	245.3	246.3	249.1	254.9	262.3	270.6	277.4
57.5°	241.4	232.7	225.9	222.7	223.0	223.9	228.4	235.4	243.3	252.2	260.9
60°	223.2	215.2	209.6	207.2	207.5	209.3	214.8	221.3	231.2	239.8	249.1
62.5°	205.9	198.8	193.5	191.3	190.9	195.0	200.3	207.0	216.9	226.5	236.5
65°	178.2	172.6	168.3	167.1	167.9	171.0	177.8	186.8	195.1	205.3	215.8
67.5°	151.0	146.5	143.5	144.1	145.2	149.7	155.4	163.1	172.5	183.1	193.5
70°	133.8	129.4	127.0	127.3	129.1	134.7	139.7	147.3	157.5	168.3	176.9
72.5°	116.1	113.2	111.0	112.3	114.1	118.0	124.1	131.8	140.8	150.8	159.9
75°	89.0	89.0	87.9	88.8	91.6	95.2	99.9	107.9	116.8	124.8	132.2
77.5°	66.1	65.4	66.2	67.3	68.9	73.3	78.6	84.4	91.0	99.1	105.2
80°	50.5	50.9	52.4	54.3	54.9	58.2	63.8	69.1	74.3	81.0	86.9
82.5°	37.9	38.3	39.1	41.4	42.1	45.7	49.3	54.5	59.3	63.8	68.7
85°	20.7	20.7	22.2	23.1	24.6	27.1	29.3	32.4	36.7	39.8	44.4
87.5°	9.5	9.7	10.9	11.6	12.6	14.1	14.7	17.6	18.8	20.1	22.5
90°	7.9	9.2	10.3	11.4	12.5	13.6	14.4	15.3	16.1	17.0	17.5
92.5°	20.2	21.5	22.2	23.0	23.8	24.6	25.0	25.5	26.0	26.5	26.9
95°	42.1	43.3	44.2	45.2	46.1	47.1	47.5	47.9	48.3	48.7	49.0
97.5°	68.8	69.9	71.1	72.2	73.3	74.5	74.9	75.4	75.9	76.4	76.7
100°	88.9	89.8	91.0	92.3	93.5	94.7	95.1	95.3	95.6	95.9	96.0
102.5°	110.4	111.1	112.2	113.3	114.5	115.6	116.0	116.4	116.7	117.1	117.3
105°	144.9	145.2	145.8	146.3	146.9	147.4	147.8	148.2	148.6	149.0	149.5
107.5°	181.5	181.6	181.7	181.8	181.9	182.0	182.4	182.8	183.1	183.5	183.7
110°	206.7	206.8	206.7	206.5	206.4	206.2	206.0	205.7	205.4	205.1	205.2



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**CANDELA DISTRIBUTION (continued):**

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	231.6	231.5	231.2	231.0	230.8	230.5	230.4	230.4	230.4	230.3	230.3
115°	270.1	269.9	269.6	269.3	269.0	268.8	268.6	268.5	268.4	268.2	268.1
117.5°	306.9	306.8	306.7	306.4	306.3	306.1	305.6	305.1	304.7	304.2	303.8
120°	333.0	333.0	332.6	332.2	331.8	331.4	330.7	329.9	329.2	328.6	328.4
122.5°	356.9	356.9	356.7	356.5	356.3	356.1	355.6	355.1	354.7	354.3	353.8
125°	393.2	393.2	393.1	392.9	392.8	392.7	392.4	392.1	391.8	391.6	391.3
127.5°	428.7	428.8	428.6	428.4	428.2	427.9	427.7	427.4	427.1	426.8	426.6
130°	452.5	452.7	452.7	452.7	452.7	452.7	452.4	452.2	451.9	451.6	451.2
132.5°	476.3	476.4	476.3	476.3	476.1	476.0	475.7	475.5	475.2	474.9	474.7
135°	510.6	511.0	511.0	511.0	511.0	511.0	510.6	510.4	510.1	509.8	509.5
137.5°	543.7	544.0	544.2	544.5	544.6	544.9	544.5	544.2	543.8	543.4	543.3
140°	566.6	566.6	566.6	566.6	566.6	566.6	566.6	566.4	566.3	566.1	566.0
142.5°	587.9	588.0	587.8	587.7	587.6	587.5	587.5	587.4	587.4	587.4	587.3
145°	618.5	618.8	618.9	619.0	619.2	619.3	619.2	619.0	618.9	618.8	618.5
147.5°	648.1	648.4	648.2	648.2	648.0	647.9	647.8	647.7	647.6	647.5	647.4
150°	665.5	665.7	665.7	665.7	665.7	665.7	665.7	665.7	665.7	665.7	665.7
152.5°	681.4	681.7	681.8	681.9	682.0	682.1	682.5	682.8	683.1	683.4	683.4
155°	706.0	705.9	705.8	705.7	705.5	705.4	705.9	706.5	707.0	707.6	707.6
157.5°	726.8	726.7	726.7	726.7	726.6	726.6	727.0	727.4	727.9	728.3	728.2
160°	740.1	740.0	739.9	739.7	739.6	739.5	739.9	740.3	740.7	741.1	741.0
162.5°	751.1	750.9	750.8	750.7	750.5	750.4	751.1	751.9	752.6	753.4	753.4
165°	766.9	766.6	766.3	766.0	765.7	765.5	766.3	767.1	767.9	768.8	768.9
167.5°	778.6	778.2	778.2	778.3	778.3	778.3	779.2	780.0	780.9	781.6	781.6
170°	785.1	784.7	784.9	785.1	785.1	785.3	786.1	787.0	787.7	788.6	788.5
172.5°	790.4	790.1	790.2	790.2	790.2	790.3	791.2	792.1	793.1	794.0	794.0
175°	796.8	796.4	796.2	796.1	796.0	795.8	796.8	797.7	798.7	799.7	799.7
177.5°	799.5	799.3	799.3	799.3	799.3	799.3	800.0	800.8	801.6	802.4	802.3
180°	800.7	800.7	800.7	800.7	800.7	800.7	800.7	800.7	800.7	800.7	800.7



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**CANDELA DISTRIBUTION (continued):**

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	744.0	744.0	744.0	744.0	744.0	744.0	744.0	744.0	744.0	744.0	744.0
2.5°	709.0	708.5	706.8	706.5	706.8	708.5	709.0	709.6	710.3	712.7	709.8
5°	655.0	653.5	652.5	655.9	652.5	653.5	655.0	656.8	659.9	660.2	663.3
7.5°	614.3	613.0	610.3	609.4	610.3	613.0	614.3	615.4	618.5	621.1	625.7
10°	588.1	586.8	584.4	583.8	584.4	586.8	588.1	591.2	594.2	597.6	600.7
12.5°	562.9	560.5	560.0	560.6	560.0	560.5	562.9	567.0	575.0	575.0	575.6
15°	529.5	528.3	524.9	525.9	524.9	528.3	529.5	533.5	537.3	541.9	546.4
17.5°	496.6	495.1	491.0	494.6	491.0	495.1	496.6	498.8	503.5	510.1	517.0
20°	475.9	473.4	471.3	471.0	471.3	473.4	475.9	478.1	483.3	488.9	494.1
22.5°	456.1	453.9	453.8	451.7	453.8	453.9	456.1	459.5	464.8	467.9	472.9
25°	431.5	429.4	428.7	427.2	428.7	429.4	431.5	434.0	437.4	439.8	445.4
27.5°	412.6	411.5	410.4	410.9	410.4	411.5	412.6	412.9	414.5	417.7	420.9
30°	401.0	400.7	400.1	400.1	400.1	400.7	401.0	400.1	401.6	403.1	405.6
32.5°	391.4	391.3	391.7	391.7	391.7	391.3	391.4	390.0	390.5	391.1	392.3
35°	377.9	378.8	379.5	378.5	379.5	378.8	377.9	376.7	375.7	373.6	374.1
37.5°	365.7	366.6	367.5	368.5	367.5	366.6	365.7	363.1	360.9	359.0	356.8
40°	356.3	358.5	359.1	360.6	359.1	358.5	356.3	353.6	351.1	348.9	346.4
42.5°	347.5	349.8	351.4	351.7	351.4	349.8	347.5	344.7	341.0	338.3	334.9
45°	333.8	336.3	338.4	338.4	338.4	336.3	333.8	329.2	325.2	321.2	317.7
47.5°	319.7	323.3	325.4	326.0	325.4	323.3	319.7	315.0	309.3	304.4	299.5
50°	310.1	314.4	316.6	318.1	316.6	314.4	310.1	304.8	299.0	292.8	286.9
52.5°	300.7	305.0	307.9	308.7	307.9	305.0	300.7	294.2	287.2	280.5	275.4
55°	284.5	290.7	294.1	295.2	294.1	290.7	284.5	277.4	270.6	262.3	254.9
57.5°	269.2	274.9	278.8	279.7	278.8	274.9	269.2	260.9	252.2	243.3	235.4
60°	257.4	263.6	268.5	269.4	268.5	263.6	257.4	249.1	239.8	231.2	221.3
62.5°	245.3	251.7	256.1	258.6	256.1	251.7	245.3	236.5	226.5	216.9	207.0
65°	224.4	230.8	235.2	236.1	235.2	230.8	224.4	215.8	205.3	195.1	186.8
67.5°	201.6	208.0	210.9	212.7	210.9	208.0	201.6	193.5	183.1	172.5	163.1
70°	185.5	190.8	193.8	195.4	193.8	190.8	185.5	176.9	168.3	157.5	147.3
72.5°	167.3	172.8	176.3	176.7	176.3	172.8	167.3	159.9	150.8	140.8	131.8
75°	139.3	144.3	146.1	146.1	146.1	144.3	139.3	132.2	124.8	116.8	107.9
77.5°	110.3	112.8	115.2	115.7	115.2	112.8	110.3	105.2	99.1	91.0	84.4
80°	91.6	93.1	94.9	94.9	94.9	93.1	91.6	86.9	81.0	74.3	69.1
82.5°	72.3	73.6	75.4	75.2	75.4	73.6	72.3	68.7	63.8	59.3	54.5
85°	43.7	46.6	46.3	45.6	46.3	46.6	43.7	44.4	39.8	36.7	32.4
87.5°	23.3	23.6	24.4	25.0	24.4	23.6	23.3	22.5	20.1	18.8	17.6
90°	17.7	18.1	18.3	18.6	18.3	18.1	17.7	17.5	17.0	16.1	15.3
92.5°	27.0	27.2	27.3	27.5	27.3	27.2	27.0	26.9	26.5	26.0	25.5
95°	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	48.7	48.3	47.9
97.5°	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.4	75.9	75.4
100°	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	95.9	95.6	95.3
102.5°	117.5	117.6	117.7	117.8	117.7	117.6	117.5	117.3	117.1	116.7	116.4
105°	149.9	150.3	150.7	151.1	150.7	150.3	149.9	149.5	149.0	148.6	148.2
107.5°	183.6	183.6	183.6	183.5	183.6	183.6	183.6	183.7	183.5	183.1	182.8
110°	205.7	206.0	206.4	206.8	206.4	206.0	205.7	205.2	205.1	205.4	205.7



TEST NUMBER: P332554-927

CATALOG NUMBER: SA4XXDIP-C575D810U927-4F0-1E-UDD-A1

**CANDELA DISTRIBUTION (continued):**

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	230.4	230.4	230.5	230.6	230.5	230.4	230.4	230.3	230.3	230.4	230.4
115°	268.0	267.8	267.7	267.5	267.7	267.8	268.0	268.1	268.2	268.4	268.5
117.5°	303.6	303.2	303.0	302.7	303.0	303.2	303.6	303.8	304.2	304.7	305.1
120°	328.7	328.9	329.2	329.5	329.2	328.9	328.7	328.4	328.6	329.2	329.9
122.5°	353.2	352.8	352.3	351.8	352.3	352.8	353.2	353.8	354.3	354.7	355.1
125°	391.0	390.7	390.5	390.1	390.5	390.7	391.0	391.3	391.6	391.8	392.1
127.5°	426.4	426.2	426.0	425.7	426.0	426.2	426.4	426.6	426.8	427.1	427.4
130°	450.7	450.1	449.6	449.0	449.6	450.1	450.7	451.2	451.6	451.9	452.2
132.5°	474.4	474.2	474.0	473.8	474.0	474.2	474.4	474.7	474.9	475.2	475.5
135°	509.1	508.7	508.3	507.9	508.3	508.7	509.1	509.5	509.8	510.1	510.4
137.5°	543.4	543.4	543.5	543.7	543.5	543.4	543.4	543.3	543.4	543.8	544.2
140°	565.9	565.7	565.5	565.5	565.5	565.7	565.9	566.0	566.1	566.3	566.4
142.5°	587.3	587.3	587.2	587.2	587.2	587.3	587.3	587.3	587.4	587.4	587.4
145°	618.1	617.7	617.3	616.9	617.3	617.7	618.1	618.5	618.8	618.9	619.0
147.5°	647.2	647.1	647.0	646.8	647.0	647.1	647.2	647.4	647.5	647.6	647.7
150°	665.6	665.4	665.3	665.1	665.3	665.4	665.6	665.7	665.7	665.7	665.7
152.5°	683.1	682.7	682.4	682.0	682.4	682.7	683.1	683.4	683.4	683.1	682.8
155°	707.0	706.5	705.9	705.4	705.9	706.5	707.0	707.6	707.6	707.0	706.5
157.5°	727.8	727.3	726.8	726.4	726.8	727.3	727.8	728.2	728.3	727.9	727.4
160°	740.3	739.6	738.9	738.2	738.9	739.6	740.3	741.0	741.1	740.7	740.3
162.5°	752.7	752.0	751.3	750.6	751.3	752.0	752.7	753.4	753.4	752.6	751.9
165°	768.3	767.8	767.2	766.8	767.2	767.8	768.3	768.9	768.8	767.9	767.1
167.5°	780.8	779.9	779.1	778.2	779.1	779.9	780.8	781.6	781.6	780.9	780.0
170°	787.6	786.6	785.6	784.7	785.6	786.6	787.6	788.5	788.6	787.7	787.0
172.5°	793.1	792.0	791.1	790.1	791.1	792.0	793.1	794.0	794.0	793.1	792.1
175°	798.7	797.7	796.8	795.8	796.8	797.7	798.7	799.7	799.7	798.7	797.7
177.5°	801.5	800.6	799.7	798.8	799.7	800.6	801.5	802.3	802.4	801.6	800.8
180°	800.7	800.7	800.7	800.7	800.7	800.7	800.7	800.7	800.7	800.7	800.7



TEST NUMBER: P332554-927

CATALOG NUMBER: SA4XXDIP-C575D810U927-4F0-1E-UDD-A1

**CANDELA DISTRIBUTION (continued):**

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	744.0	744.0	744.0	744.0	744.0	744.0	744.0	744.0	744.0	744.0	744.0
2.5°	711.2	712.3	716.2	719.9	724.3	727.5	729.8	732.2	737.4	741.6	745.5
5°	666.4	667.9	676.0	681.5	691.0	699.3	705.8	712.9	721.3	732.6	743.1
7.5°	626.9	632.6	641.4	650.4	660.1	671.0	680.5	691.2	705.5	721.2	737.4
10°	604.4	610.9	620.1	630.7	639.8	652.5	664.2	676.8	693.2	712.3	731.4
12.5°	582.0	592.6	599.7	612.1	622.1	632.6	645.0	661.6	680.6	700.7	723.7
15°	553.9	559.8	573.3	580.1	594.2	610.3	622.6	639.3	657.7	684.3	710.1
17.5°	521.4	529.2	540.0	552.9	569.2	581.7	597.1	614.2	637.5	663.8	696.2
20°	500.3	506.8	520.0	534.2	551.4	564.7	581.0	597.6	621.7	649.7	683.7
22.5°	481.3	487.5	501.5	514.7	531.5	547.6	564.7	584.1	607.1	636.7	671.3
25°	451.9	460.2	472.5	486.1	502.1	520.6	539.1	556.3	581.0	612.1	649.1
27.5°	425.8	432.5	441.4	456.8	475.0	492.8	511.2	532.9	556.6	589.5	627.9
30°	409.0	415.2	424.1	438.3	455.3	474.4	493.5	514.4	539.1	571.7	610.9
32.5°	395.7	400.4	408.4	421.0	436.5	456.6	475.5	497.2	523.1	555.2	593.4
35°	376.0	380.0	383.1	395.1	409.0	427.5	446.6	469.8	494.7	525.2	563.4
37.5°	356.7	358.1	362.6	370.5	383.9	400.9	418.7	441.4	467.0	498.0	532.5
40°	344.9	345.5	348.3	355.7	367.4	383.4	400.7	423.2	447.5	476.8	511.0
42.5°	333.4	333.0	335.5	340.6	351.6	366.1	383.2	403.7	428.1	455.1	487.4
45°	315.0	315.0	314.4	318.7	327.6	341.8	356.0	375.7	396.1	422.6	449.7
47.5°	295.9	294.1	294.7	296.9	304.4	316.1	330.4	346.6	364.5	387.0	410.7
50°	283.6	281.1	280.2	282.7	289.4	299.6	313.1	327.3	344.3	364.0	384.4
52.5°	270.0	267.5	265.9	267.6	273.9	283.3	295.6	308.1	323.3	339.4	357.0
55°	249.1	246.3	245.3	246.0	250.6	258.0	268.5	279.9	291.3	304.5	316.9
57.5°	228.4	223.9	223.0	222.7	225.9	232.7	241.4	251.3	259.6	267.6	280.7
60°	214.8	209.3	207.5	207.2	209.6	215.2	223.2	233.0	238.8	244.4	255.8
62.5°	200.3	195.0	190.9	191.3	193.5	198.8	205.9	213.0	216.9	223.0	230.7
65°	177.8	171.0	167.9	167.1	168.3	172.6	178.2	182.8	187.1	189.6	196.9
67.5°	155.4	149.7	145.2	144.1	143.5	146.5	151.0	153.8	156.9	159.1	163.4
70°	139.7	134.7	129.1	127.3	127.0	129.4	133.8	134.1	138.4	139.3	143.9
72.5°	124.1	118.0	114.1	112.3	111.0	113.2	116.1	116.8	119.1	120.8	123.3
75°	99.9	95.2	91.6	88.8	87.9	89.0	89.0	90.6	92.1	93.1	95.9
77.5°	78.6	73.3	68.9	67.3	66.2	65.4	66.1	67.0	66.3	67.9	68.5
80°	63.8	58.2	54.9	54.3	52.4	50.9	50.5	51.5	50.2	50.9	52.7
82.5°	49.3	45.7	42.1	41.4	39.1	38.3	37.9	37.4	37.4	37.3	37.6
85°	29.3	27.1	24.6	23.1	22.2	20.7	20.7	20.0	19.4	18.8	19.1
87.5°	14.7	14.1	12.6	11.6	10.9	9.7	9.5	8.4	7.8	7.4	6.8
90°	14.4	13.6	12.5	11.4	10.3	9.2	7.9	6.4	4.9	3.4	1.8
92.5°	25.0	24.6	23.8	23.0	22.2	21.5	20.2	18.5	16.7	15.0	13.2
95°	47.5	47.1	46.1	45.2	44.2	43.3	42.1	40.9	39.6	38.4	37.2
97.5°	74.9	74.5	73.3	72.2	71.1	69.9	68.8	67.9	66.9	65.9	64.9
100°	95.1	94.7	93.5	92.3	91.0	89.8	88.9	88.3	87.8	87.2	86.7
102.5°	116.0	115.6	114.5	113.3	112.2	111.1	110.4	110.2	110.0	109.7	109.5
105°	147.8	147.4	146.9	146.3	145.8	145.2	144.9	144.7	144.6	144.4	144.3
107.5°	182.4	182.0	181.9	181.8	181.7	181.6	181.5	181.3	181.2	181.0	180.9
110°	206.0	206.2	206.4	206.5	206.7	206.8	206.7	206.4	206.1	205.9	205.7



TEST NUMBER: P332554-927

CATALOG NUMBER: SA4XXDIP-C575D810U927-4F0-1E-UDD-A1

**CANDELA DISTRIBUTION (continued):**

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	230.4	230.5	230.8	231.0	231.2	231.5	231.6	231.6	231.5	231.4	231.4
115°	268.6	268.8	269.0	269.3	269.6	269.9	270.1	270.1	270.1	270.1	270.1
117.5°	305.6	306.1	306.3	306.4	306.7	306.8	306.9	306.7	306.7	306.6	306.4
120°	330.7	331.4	331.8	332.2	332.6	333.0	333.0	332.4	331.8	331.3	330.7
122.5°	355.6	356.1	356.3	356.5	356.7	356.9	356.9	356.6	356.4	356.2	356.0
125°	392.4	392.7	392.8	392.9	393.1	393.2	393.2	393.2	393.2	393.2	393.2
127.5°	427.7	427.9	428.2	428.4	428.6	428.8	428.7	428.3	427.9	427.5	427.1
130°	452.4	452.7	452.7	452.7	452.7	452.7	452.5	452.1	451.7	451.3	450.8
132.5°	475.7	476.0	476.1	476.3	476.3	476.4	476.3	476.0	475.8	475.5	475.2
135°	510.6	511.0	511.0	511.0	511.0	511.0	510.6	509.7	508.9	508.0	507.2
137.5°	544.5	544.9	544.6	544.5	544.2	544.0	543.7	543.3	542.9	542.6	542.2
140°	566.6	566.6	566.6	566.6	566.6	566.6	566.6	566.3	566.0	565.7	565.5
142.5°	587.5	587.5	587.6	587.7	587.8	588.0	587.9	587.6	587.3	587.0	586.8
145°	619.2	619.3	619.2	619.0	618.9	618.8	618.5	617.9	617.3	616.8	616.2
147.5°	647.8	647.9	648.0	648.2	648.2	648.4	648.1	647.5	646.7	646.1	645.5
150°	665.7	665.7	665.7	665.7	665.7	665.7	665.5	665.0	664.4	663.8	663.3
152.5°	682.5	682.1	682.0	681.9	681.8	681.7	681.4	681.1	680.8	680.5	680.2
155°	705.9	705.4	705.5	705.7	705.8	705.9	706.0	706.0	706.0	706.0	706.0
157.5°	727.0	726.6	726.6	726.7	726.7	726.7	726.8	727.1	727.3	727.5	727.9
160°	739.9	739.5	739.6	739.7	739.9	740.0	740.1	740.3	740.5	740.5	740.7
162.5°	751.1	750.4	750.5	750.7	750.8	750.9	751.1	751.5	751.9	752.3	752.6
165°	766.3	765.5	765.7	766.0	766.3	766.6	766.9	767.3	767.8	768.2	768.6
167.5°	779.2	778.3	778.3	778.3	778.2	778.2	778.6	779.1	779.7	780.2	780.9
170°	786.1	785.3	785.1	785.1	784.9	784.7	785.1	785.7	786.4	787.1	787.7
172.5°	791.2	790.3	790.2	790.2	790.2	790.1	790.4	791.0	791.5	792.2	792.7
175°	796.8	795.8	796.0	796.1	796.2	796.4	796.8	797.5	798.1	798.8	799.5
177.5°	800.0	799.3	799.3	799.3	799.3	799.3	799.5	800.1	800.7	801.2	801.8
180°	800.7	800.7	800.7	800.7	800.7	800.7	800.7	800.7	800.7	800.7	800.7



TEST NUMBER: P332554-927

CATALOG NUMBER: SA4XXDIP-C575D810U927-4F0-1E-UDD-A1

**CANDELA DISTRIBUTION (continued):**

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	744.0	744.0	744.0	744.0	744.0	744.0	744.0	744.0	744.0	744.0	744.0
2.5°	749.0	751.5	754.6	760.1	762.1	764.5	767.9	767.7	768.7	772.4	780.3
5°	751.8	761.3	770.6	781.6	793.4	801.1	811.6	818.0	824.5	832.8	847.0
7.5°	752.9	768.0	785.0	804.5	821.8	841.8	857.4	872.0	885.3	902.9	919.7
10°	751.1	771.5	793.4	818.0	844.2	866.4	886.5	909.3	928.7	949.9	969.1
12.5°	747.9	772.5	801.8	829.3	860.0	892.8	917.7	940.8	966.6	991.1	1020.6
15°	740.7	774.3	808.5	844.9	885.8	923.8	959.8	989.7	1017.5	1054.2	1092.7
17.5°	731.4	767.6	810.8	854.8	897.7	941.0	985.6	1030.5	1065.6	1111.1	1141.3
20°	722.8	764.7	809.1	861.5	904.4	958.3	1002.7	1046.1	1094.2	1139.5	1175.6
22.5°	710.7	756.5	803.7	855.8	912.2	966.1	1017.5	1064.6	1112.7	1162.0	1205.6
25°	695.4	737.0	792.7	851.9	908.0	966.6	1025.5	1084.7	1136.4	1188.5	1229.2
27.5°	669.2	721.8	773.7	834.8	897.1	963.4	1026.4	1088.3	1142.5	1185.3	1210.6
30°	655.9	701.5	758.0	819.3	886.8	958.0	1023.6	1084.3	1134.9	1169.1	1179.2
32.5°	636.2	683.3	738.5	802.0	873.5	946.6	1014.9	1072.2	1114.4	1132.3	1120.1
35°	606.9	649.4	705.2	770.2	844.5	922.5	990.0	1038.4	1060.0	1043.1	1000.8
37.5°	571.7	613.9	669.9	733.8	810.7	889.9	951.0	985.8	978.7	936.5	873.5
40°	547.1	586.5	639.8	708.9	783.8	863.3	917.0	935.8	916.1	855.6	788.8
42.5°	519.8	558.2	611.7	678.3	757.6	831.0	877.7	879.3	846.3	774.0	706.9
45°	478.1	514.8	565.3	634.6	708.0	777.1	807.9	792.7	731.7	662.0	594.5
47.5°	437.0	468.7	518.6	584.4	654.0	712.2	727.5	700.3	635.3	567.6	505.0
50°	406.9	438.9	485.8	548.7	615.8	666.1	673.4	637.4	573.6	505.5	456.5
52.5°	378.0	409.8	455.0	513.1	574.6	620.0	620.2	578.5	514.9	454.2	408.6
55°	335.6	364.3	405.0	457.1	512.0	547.4	538.8	495.6	440.5	387.8	348.0
57.5°	294.9	319.8	357.3	400.8	449.1	478.3	464.0	422.5	373.2	328.5	298.3
60°	268.5	292.2	324.2	365.3	405.9	428.7	415.2	377.6	332.2	296.2	270.0
62.5°	242.8	262.8	293.7	329.2	366.9	383.9	371.8	334.7	295.6	262.9	241.6
65°	206.5	222.8	247.5	278.1	305.5	320.0	309.7	275.2	245.3	221.9	204.9
67.5°	172.6	185.4	204.1	228.5	251.8	259.7	250.4	226.3	201.1	182.3	170.3
70°	149.2	161.2	176.9	195.7	216.0	224.4	215.2	196.1	175.4	158.1	146.4
72.5°	128.7	138.0	151.3	167.4	183.2	191.6	185.3	166.9	149.5	136.7	126.7
75°	98.0	106.0	115.3	126.7	139.0	144.6	139.0	126.4	114.3	104.8	97.7
77.5°	71.3	75.6	82.7	91.3	98.9	103.2	98.4	89.8	82.5	76.0	72.4
80°	54.3	57.4	62.3	69.1	74.3	78.3	75.2	68.1	62.3	57.9	56.4
82.5°	39.5	41.5	44.8	49.8	53.3	55.4	54.0	48.9	46.5	42.6	41.1
85°	19.4	20.7	22.8	24.3	27.4	27.7	28.0	25.9	23.8	22.8	21.5
87.5°	7.4	7.8	9.0	10.0	11.2	11.6	11.6	11.9	11.1	11.0	10.2
90°	3.4	4.9	6.4	7.9	9.2	10.3	11.4	12.5	13.6	14.4	15.3
92.5°	15.0	16.7	18.5	20.2	21.5	22.2	23.0	23.8	24.6	25.0	25.5
95°	38.4	39.6	40.9	42.1	43.3	44.2	45.2	46.1	47.1	47.5	47.9
97.5°	65.9	66.9	67.9	68.8	69.9	71.1	72.2	73.3	74.5	74.9	75.4
100°	87.2	87.8	88.3	88.9	89.8	91.0	92.3	93.5	94.7	95.1	95.3
102.5°	109.7	110.0	110.2	110.4	111.1	112.2	113.3	114.5	115.6	116.0	116.4
105°	144.4	144.6	144.7	144.9	145.2	145.8	146.3	146.9	147.4	147.8	148.2
107.5°	181.0	181.2	181.3	181.5	181.6	181.7	181.8	181.9	182.0	182.4	182.8
110°	205.9	206.1	206.4	206.7	206.8	206.7	206.5	206.4	206.2	206.0	205.7





TEST NUMBER: P332554-927

CATALOG NUMBER: SA4XXDIP-C575D810U927-4F0-1E-UDD-A1

**CANDELA DISTRIBUTION (continued):**

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	231.4	231.5	231.6	231.6	231.5	231.2	231.0	230.8	230.5	230.4	230.4
115°	270.1	270.1	270.1	270.1	269.9	269.6	269.3	269.0	268.8	268.6	268.5
117.5°	306.6	306.7	306.7	306.9	306.8	306.7	306.4	306.3	306.1	305.6	305.1
120°	331.3	331.8	332.4	333.0	333.0	332.6	332.2	331.8	331.4	330.7	329.9
122.5°	356.2	356.4	356.6	356.9	356.9	356.7	356.5	356.3	356.1	355.6	355.1
125°	393.2	393.2	393.2	393.2	393.2	393.1	392.9	392.8	392.7	392.4	392.1
127.5°	427.5	427.9	428.3	428.7	428.8	428.6	428.4	428.2	427.9	427.7	427.4
130°	451.3	451.7	452.1	452.5	452.7	452.7	452.7	452.7	452.7	452.4	452.2
132.5°	475.5	475.8	476.0	476.3	476.4	476.3	476.3	476.1	476.0	475.7	475.5
135°	508.0	508.9	509.7	510.6	511.0	511.0	511.0	511.0	511.0	510.6	510.4
137.5°	542.6	542.9	543.3	543.7	544.0	544.2	544.5	544.6	544.9	544.5	544.2
140°	565.7	566.0	566.3	566.6	566.6	566.6	566.6	566.6	566.6	566.6	566.4
142.5°	587.0	587.3	587.6	587.9	588.0	587.8	587.7	587.6	587.5	587.5	587.4
145°	616.8	617.3	617.9	618.5	618.8	618.9	619.0	619.2	619.3	619.2	619.0
147.5°	646.1	646.7	647.5	648.1	648.4	648.2	648.2	648.0	647.9	647.8	647.7
150°	663.8	664.4	665.0	665.5	665.7	665.7	665.7	665.7	665.7	665.7	665.7
152.5°	680.5	680.8	681.1	681.4	681.7	681.8	681.9	682.0	682.1	682.5	682.8
155°	706.0	706.0	706.0	706.0	705.9	705.8	705.7	705.5	705.4	705.9	706.5
157.5°	727.5	727.3	727.1	726.8	726.7	726.7	726.7	726.6	726.6	727.0	727.4
160°	740.5	740.5	740.3	740.1	740.0	739.9	739.7	739.6	739.5	739.9	740.3
162.5°	752.3	751.9	751.5	751.1	750.9	750.8	750.7	750.5	750.4	751.1	751.9
165°	768.2	767.8	767.3	766.9	766.6	766.3	766.0	765.7	765.5	766.3	767.1
167.5°	780.2	779.7	779.1	778.6	778.2	778.2	778.3	778.3	778.3	779.2	780.0
170°	787.1	786.4	785.7	785.1	784.7	784.9	785.1	785.1	785.3	786.1	787.0
172.5°	792.2	791.5	791.0	790.4	790.1	790.2	790.2	790.2	790.3	791.2	792.1
175°	798.8	798.1	797.5	796.8	796.4	796.2	796.1	796.0	795.8	796.8	797.7
177.5°	801.2	800.7	800.1	799.5	799.3	799.3	799.3	799.3	799.3	800.0	800.8
180°	800.7	800.7	800.7	800.7	800.7	800.7	800.7	800.7	800.7	800.7	800.7



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**CANDELA DISTRIBUTION (continued):**

	330°	335°	340°	345°	350°	355°	360°
0°	744.0	744.0	744.0	744.0	744.0	744.0	744.0
2.5°	784.3	784.7	787.0	788.7	789.2	791.6	791.9
5°	853.2	858.4	868.5	869.5	871.0	879.1	872.9
7.5°	933.9	947.2	956.1	963.9	966.8	970.3	969.6
10°	985.7	1005.4	1015.3	1031.0	1031.7	1035.6	1033.2
12.5°	1037.8	1060.7	1078.6	1081.6	1094.7	1096.8	1100.3
15°	1111.4	1135.8	1160.8	1169.7	1187.9	1192.2	1199.0
17.5°	1180.7	1205.6	1223.1	1246.3	1253.7	1263.7	1257.0
20°	1218.7	1245.9	1268.0	1286.2	1294.0	1299.5	1298.9
22.5°	1241.7	1269.0	1287.0	1300.8	1308.0	1310.3	1310.2
25°	1256.0	1271.8	1277.3	1282.5	1274.5	1271.8	1273.0
27.5°	1216.1	1212.0	1197.5	1178.5	1158.8	1143.1	1134.6
30°	1161.1	1137.0	1115.2	1077.0	1057.2	1045.5	1035.0
32.5°	1083.2	1045.0	1003.0	968.0	945.5	928.1	925.5
35°	949.7	892.3	840.8	798.0	775.8	757.0	752.7
37.5°	807.4	747.8	701.5	663.7	639.8	626.6	614.3
40°	712.9	661.8	616.2	584.1	565.9	556.3	548.7
42.5°	640.2	593.4	548.1	523.6	507.2	501.4	496.9
45°	539.7	496.2	464.8	446.3	436.7	426.9	422.2
47.5°	459.2	423.9	403.1	387.5	377.2	371.4	368.4
50°	413.6	384.7	366.1	354.2	344.9	340.2	337.8
52.5°	373.2	349.4	333.9	324.3	318.1	314.7	313.6
55°	321.5	303.3	293.4	285.1	280.5	277.4	276.2
57.5°	279.4	265.5	257.5	250.6	248.8	246.2	245.3
60°	251.8	241.1	234.2	229.7	228.1	225.0	225.6
62.5°	227.4	218.6	212.8	210.2	208.1	205.5	206.4
65°	192.3	185.8	182.8	180.3	177.8	176.3	177.5
67.5°	161.4	156.9	152.7	151.3	150.1	149.9	148.5
70°	141.2	137.4	133.8	132.8	132.8	131.6	131.3
72.5°	121.7	119.0	116.5	115.8	114.9	115.3	114.1
75°	94.0	91.8	90.9	90.0	89.7	89.7	88.8
77.5°	69.5	67.9	66.4	66.4	65.3	64.9	64.7
80°	52.7	52.1	50.9	50.9	50.2	50.5	49.9
82.5°	39.6	38.7	38.5	38.0	37.2	37.2	36.6
85°	21.2	20.4	20.0	19.1	18.5	19.1	18.5
87.5°	10.6	10.5	10.4	10.0	9.7	9.8	9.1
90°	16.1	17.0	17.5	17.7	18.1	18.3	18.6
92.5°	26.0	26.5	26.9	27.0	27.2	27.3	27.5
95°	48.3	48.7	49.0	49.0	49.0	49.0	49.0
97.5°	75.9	76.4	76.7	76.7	76.7	76.7	76.7
100°	95.6	95.9	96.0	96.0	96.0	96.0	96.0
102.5°	116.7	117.1	117.3	117.5	117.6	117.7	117.8
105°	148.6	149.0	149.5	149.9	150.3	150.7	151.1
107.5°	183.1	183.5	183.7	183.6	183.6	183.6	183.5
110°	205.4	205.1	205.2	205.7	206.0	206.4	206.8



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**CANDELA DISTRIBUTION (continued):**

	330°	335°	340°	345°	350°	355°	360°
112.5°	230.4	230.3	230.3	230.4	230.4	230.5	230.6
115°	268.4	268.2	268.1	268.0	267.8	267.7	267.5
117.5°	304.7	304.2	303.8	303.6	303.2	303.0	302.7
120°	329.2	328.6	328.4	328.7	328.9	329.2	329.5
122.5°	354.7	354.3	353.8	353.2	352.8	352.3	351.8
125°	391.8	391.6	391.3	391.0	390.7	390.5	390.1
127.5°	427.1	426.8	426.6	426.4	426.2	426.0	425.7
130°	451.9	451.6	451.2	450.7	450.1	449.6	449.0
132.5°	475.2	474.9	474.7	474.4	474.2	474.0	473.8
135°	510.1	509.8	509.5	509.1	508.7	508.3	507.9
137.5°	543.8	543.4	543.3	543.4	543.4	543.5	543.7
140°	566.3	566.1	566.0	565.9	565.7	565.5	565.5
142.5°	587.4	587.4	587.3	587.3	587.3	587.2	587.2
145°	618.9	618.8	618.5	618.1	617.7	617.3	616.9
147.5°	647.6	647.5	647.4	647.2	647.1	647.0	646.8
150°	665.7	665.7	665.7	665.6	665.4	665.3	665.1
152.5°	683.1	683.4	683.4	683.1	682.7	682.4	682.0
155°	707.0	707.6	707.6	707.0	706.5	705.9	705.4
157.5°	727.9	728.3	728.2	727.8	727.3	726.8	726.4
160°	740.7	741.1	741.0	740.3	739.6	738.9	738.2
162.5°	752.6	753.4	753.4	752.7	752.0	751.3	750.6
165°	767.9	768.8	768.9	768.3	767.8	767.2	766.8
167.5°	780.9	781.6	781.6	780.8	779.9	779.1	778.2
170°	787.7	788.6	788.5	787.6	786.6	785.6	784.7
172.5°	793.1	794.0	794.0	793.1	792.0	791.1	790.1
175°	798.7	799.7	799.7	798.7	797.7	796.8	795.8
177.5°	801.6	802.4	802.3	801.5	800.6	799.7	798.8
180°	800.7	800.7	800.7	800.7	800.7	800.7	800.7

(END OF REPORT)