

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: P332553-935

Luminaire Tested: **SA4XXDIP-C575D810U935-4F0-1E-UDD-A**

Issue Date: 10/7/2019

**Test Information**

Test Method: LM-79-08  
Report Number: P332553-935  
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1807-864-6,  
Test Lab: INNOVATION CENTER  
Issue Date: 10/7/2019  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: NEO-RAY  
Catalog Number: SA4XXDIP-C575D810U935-4F0-1E-UDD-A  
Description: DEFINE 4 DIRECT-INDIRECT PENDANT LED LUMINAIRE  
DOWNLIGHT 575 LUMENS PER FOOT, ASYMMETRIC DIFFUSER  
UPLIGHT 810 LUMENS PER FOOT, NO LENS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

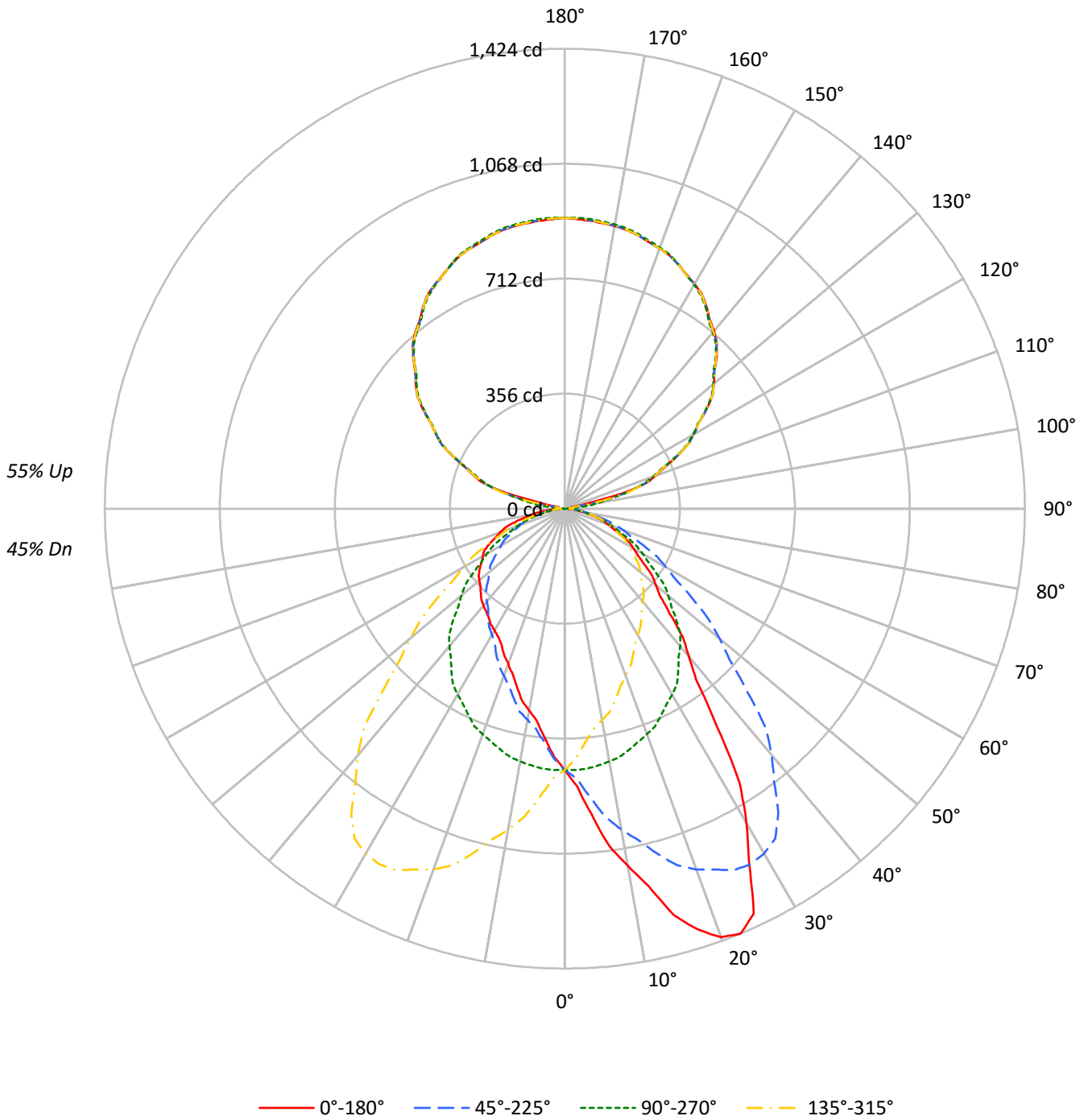
Lumens per Lamp: N/A  
Luminaire Lumens: 5018.0 lumens  
Efficiency: N/A  
Efficacy: 130.7 lumens/watt  
Spacing Criteria (0/90/45): 1.31 / 1.23 / 1.41  
Luminous Opening: Rectangular (W 4' x L: 0.33' x H: 0')  
CIE Type: General Diffuse

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	0
RCR																		
0	106	106	106	106	97	97	97	97	80	80	80	65	65	65	51	51	51	45
1	97	93	89	85	88	85	82	79	71	68	66	58	56	55	45	44	43	38
2	88	81	75	70	81	74	69	65	62	58	55	51	48	46	40	38	37	32
3	81	71	64	59	74	66	59	54	55	50	47	45	42	39	36	34	32	27
4	74	63	56	50	67	58	52	46	49	44	40	40	37	34	32	30	27	24
5	68	56	48	43	62	52	45	40	44	39	34	36	32	29	29	26	24	21
6	62	51	43	37	57	47	40	35	40	34	30	33	29	26	26	23	21	18
7	58	46	38	32	53	42	35	30	36	30	27	30	26	23	24	21	19	16
8	54	41	34	29	49	38	32	27	33	27	24	27	23	20	22	19	17	15
9	50	38	30	26	46	35	29	24	30	25	21	25	21	18	20	17	15	13
10	47	35	28	23	43	32	26	22	28	23	19	23	19	16	19	16	14	12

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

	0°	90°	180°	270°
0°	6529	6529	6529	6529
5°	7688	6545	5777	6545
10°	9205	6517	5201	6517
15°	10891	6450	4776	6450
20°	12128	6383	4398	6383
25°	12324	6284	4136	6284
30°	10486	6190	4053	6190
35°	8062	6034	4054	6034
40°	6284	5853	4130	5853
45°	5239	5581	4199	5581
50°	4611	5247	4342	5247
55°	4224	4847	4517	4847
60°	3959	4489	4728	4489
65°	3687	4088	4902	4088
70°	3368	3692	5013	3692
75°	3010	3250	4953	3250
80°	2520	2664	4793	2664
85°	1862	1927	4594	1927



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	78.8	1.6
10°-20°	242.8	4.8
20°-30°	385.1	7.7
30°-40°	428.5	8.5
40°-50°	390.1	7.8
50°-60°	318.8	6.4
60°-70°	227.6	4.5
70°-80°	125.3	2.5
80°-90°	36.8	0.7
90°-100°	30.8	0.6
100°-110°	196.3	3.9
110°-120°	375.5	7.5
120°-130°	476.7	9.5
130°-140°	510.0	10.2
140°-150°	476.9	9.5
150°-160°	384.6	7.7
160°-170°	248.0	4.9
170°-180°	85.5	1.7
0°-30°	706.7	14.1
0°-40°	1135.2	22.6
0°-60°	1844.1	36.7
0°-90°	2233.8	44.5
90°-120°	602.6	12.0
90°-150°	2066.1	41.2
90°-180°	2784.0	55.5
0°-180°	5018.0	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	809	809	809	809	809	
5°	949	808	713	808	949	96
15°	1303	772	572	772	1303	368
25°	1384	706	464	706	1384	610
35°	818	612	411	612	818	519
45°	459	489	368	489	459	362
55°	300	344	321	344	300	271
65°	193	214	257	214	193	191
75°	96	104	159	104	96	103
85°	20	21	50	21	20	25
90°	20	2	20	2	20	9
95°	20	37	20	37	20	16
105°	192	203	192	203	192	167
115°	381	378	381	378	381	377
125°	536	532	536	532	536	477
135°	664	660	664	660	664	511
145°	765	761	765	761	765	478
155°	833	834	833	834	833	384
165°	876	880	876	880	876	247
175°	895	900	895	900	895	85
180°	900	900	900	900	900	



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	808.7	808.7	808.7	808.7	808.7	808.7	808.7	808.7	808.7	808.7	808.7
2.5°	860.7	860.4	857.7	857.2	855.3	852.9	852.4	848.1	839.5	835.5	834.4
5°	948.7	955.5	946.7	945.0	944.0	933.0	927.3	920.6	905.2	896.1	889.1
7.5°	1053.8	1054.6	1050.8	1047.7	1039.1	1029.5	1015.0	999.6	981.3	962.2	947.8
10°	1122.9	1125.6	1121.3	1120.6	1103.5	1092.8	1071.3	1053.3	1032.4	1009.4	988.3
12.5°	1195.8	1192.1	1189.8	1175.5	1172.3	1152.8	1127.9	1109.2	1077.2	1050.6	1022.5
15°	1303.1	1295.8	1291.1	1271.4	1261.6	1234.5	1208.0	1187.6	1145.7	1105.9	1075.6
17.5°	1366.1	1373.5	1362.6	1354.5	1329.4	1310.4	1283.3	1240.4	1207.6	1158.1	1120.1
20°	1411.7	1412.4	1406.4	1397.9	1378.2	1354.1	1324.6	1277.7	1238.5	1189.2	1137.0
22.5°	1424.0	1424.2	1421.6	1413.8	1398.8	1379.2	1349.5	1310.4	1262.9	1209.4	1157.1
25°	1383.5	1382.2	1385.3	1394.0	1388.3	1382.2	1365.1	1336.0	1291.8	1235.1	1178.9
27.5°	1233.2	1242.4	1259.5	1280.9	1301.6	1317.2	1321.7	1315.8	1288.3	1241.7	1182.8
30°	1124.9	1136.3	1149.0	1170.5	1212.0	1235.8	1262.0	1281.7	1270.7	1233.5	1178.5
32.5°	1005.9	1008.7	1027.6	1052.1	1090.1	1135.8	1177.2	1217.4	1230.7	1211.3	1165.4
35°	818.0	822.8	843.2	867.3	913.9	969.8	1032.2	1087.7	1133.7	1152.1	1128.6
37.5°	667.6	681.1	695.4	721.3	762.4	812.8	877.5	949.4	1017.9	1063.7	1071.4
40°	596.3	604.7	615.1	634.8	669.7	719.3	774.8	857.3	930.0	995.7	1017.1
42.5°	540.0	544.9	551.3	569.1	595.7	645.0	695.8	768.3	841.3	919.8	955.7
45°	458.9	464.0	474.7	485.1	505.1	539.3	586.6	646.2	719.5	795.3	861.6
47.5°	400.4	403.6	410.0	421.1	438.2	460.7	499.1	548.9	616.9	690.4	761.1
50°	367.1	369.8	374.9	385.0	398.0	418.1	449.5	496.1	549.4	623.5	692.8
52.5°	340.9	342.0	345.7	352.5	362.9	379.8	405.6	444.1	493.7	559.6	628.7
55°	300.1	301.5	304.9	309.9	318.9	329.7	349.4	378.2	421.5	478.7	538.6
57.5°	266.7	267.6	270.4	272.3	279.8	288.5	303.7	324.3	357.1	405.6	459.2
60°	245.2	244.5	247.9	249.6	254.6	262.0	273.7	293.4	321.9	361.1	410.4
62.5°	224.3	223.3	226.2	228.4	231.3	237.5	247.2	262.6	285.8	321.2	363.8
65°	193.0	191.7	193.3	196.0	198.6	202.0	209.1	222.7	241.2	266.7	299.1
67.5°	161.4	162.9	163.2	164.5	166.0	170.6	175.4	185.1	198.1	218.5	246.0
70°	142.7	143.0	144.4	144.4	145.4	149.4	153.4	159.1	171.9	190.6	213.1
72.5°	124.0	125.4	124.8	125.9	126.7	129.3	132.2	137.7	148.5	162.5	181.4
75°	96.5	97.5	97.5	97.8	98.8	99.8	102.2	106.2	113.9	124.2	137.3
77.5°	70.3	70.5	70.9	72.2	72.2	73.8	75.5	78.7	82.6	89.6	97.6
80°	54.2	54.9	54.6	55.3	55.3	56.7	57.3	61.3	62.9	67.7	74.0
82.5°	39.8	40.5	40.4	41.3	41.8	42.1	43.0	44.7	46.3	50.5	53.1
85°	20.1	20.8	20.1	20.8	21.8	22.1	23.1	23.4	24.8	25.8	28.2
87.5°	9.9	10.7	10.6	10.8	11.3	11.5	11.5	11.1	12.0	12.1	12.9
90°	20.2	19.9	19.6	19.3	19.0	18.4	17.5	16.6	15.7	14.8	13.6
92.5°	18.6	18.5	18.4	18.4	18.3	17.8	17.0	16.1	15.2	14.3	13.1
95°	19.5	19.4	19.2	19.1	18.9	18.4	17.5	16.6	15.7	14.8	14.6
97.5°	18.9	18.7	18.5	18.4	18.3	18.2	18.1	18.0	17.8	17.7	34.4
100°	18.9	18.7	18.5	18.4	18.3	19.5	22.0	24.5	27.0	29.6	50.3
102.5°	19.4	19.4	19.3	19.3	19.3	33.0	60.4	87.8	115.3	142.8	145.4
105°	191.8	197.3	202.6	208.0	213.4	215.4	214.0	212.8	211.4	210.0	209.3
107.5°	267.4	266.8	266.2	265.7	265.1	264.5	263.8	263.2	262.5	261.9	260.9
110°	300.2	299.8	299.4	298.9	298.4	298.1	297.8	297.5	297.2	296.9	296.0



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**CANDELA DISTRIBUTION (continued):**

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	333.1	332.5	332.0	331.4	330.8	330.5	330.6	330.7	330.8	330.8	330.4
115°	381.1	381.1	381.1	381.1	381.1	380.9	380.6	380.3	380.0	379.7	379.9
117.5°	429.8	429.8	429.9	430.0	430.0	430.1	430.2	430.2	430.2	430.3	430.0
120°	460.5	460.8	461.1	461.4	461.7	461.7	461.4	461.1	460.8	460.5	460.6
122.5°	490.6	490.9	491.2	491.5	491.8	491.9	491.7	491.5	491.4	491.2	490.9
125°	535.9	535.7	535.5	535.5	535.3	534.9	534.5	534.1	533.6	533.2	533.5
127.5°	575.6	575.8	575.8	575.9	576.1	576.2	576.3	576.4	576.4	576.5	575.8
130°	602.5	602.5	602.5	602.5	602.5	602.4	602.3	602.2	602.0	601.8	601.4
132.5°	627.3	627.4	627.5	627.7	627.8	627.8	627.6	627.5	627.3	627.2	626.5
135°	664.4	664.2	663.8	663.6	663.2	663.0	662.6	662.4	662.0	661.8	661.2
137.5°	696.2	696.3	696.4	696.5	696.5	696.5	696.1	695.8	695.5	695.2	694.5
140°	718.3	718.2	718.0	717.9	717.7	717.4	717.0	716.5	716.1	715.6	715.3
142.5°	736.6	736.6	736.6	736.5	736.5	736.3	736.0	735.6	735.4	735.0	734.9
145°	764.7	764.5	764.1	763.9	763.5	763.4	763.2	763.0	762.9	762.8	762.8
147.5°	788.1	787.9	787.7	787.6	787.5	787.3	787.2	787.1	787.0	786.9	787.0
150°	803.1	803.0	802.8	802.7	802.5	802.5	802.5	802.5	802.5	802.5	802.6
152.5°	816.1	816.1	816.2	816.3	816.4	816.3	816.1	815.9	815.6	815.4	815.6
155°	833.4	833.9	834.3	834.7	835.3	835.2	834.6	834.0	833.4	832.8	833.2
157.5°	848.0	848.8	849.5	850.3	851.1	851.1	850.3	849.5	848.8	848.0	848.5
160°	857.6	858.6	859.5	860.4	861.3	861.3	860.4	859.5	858.6	857.6	857.8
162.5°	865.2	866.3	867.2	868.2	869.3	869.4	868.4	867.5	866.7	865.7	865.9
165°	875.8	877.2	878.6	879.9	881.2	881.3	880.1	878.9	877.7	876.5	876.5
167.5°	883.8	885.3	886.7	888.3	889.8	889.8	888.6	887.3	885.9	884.6	884.7
170°	888.6	890.1	891.7	893.1	894.6	894.8	893.5	892.3	891.1	890.0	889.8
172.5°	891.3	892.9	894.6	896.2	897.8	898.0	896.8	895.6	894.4	893.2	893.0
175°	894.7	896.5	898.3	900.1	901.9	902.1	900.8	899.4	898.0	896.7	896.6
177.5°	896.8	898.3	899.7	901.1	902.6	902.8	901.9	901.0	899.9	899.0	898.8
180°	900.1	900.1	900.1	900.1	900.1	900.1	900.1	900.1	900.1	900.1	900.1



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**CANDELA DISTRIBUTION (continued):**

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	808.7	808.7	808.7	808.7	808.7	808.7	808.7	808.7	808.7	808.7	808.7
2.5°	834.7	831.0	828.3	826.1	820.2	816.7	814.1	810.3	806.0	801.4	795.8
5°	882.1	870.6	862.3	849.5	837.5	827.4	817.1	807.7	796.3	783.9	774.8
7.5°	931.9	914.9	893.2	874.3	853.2	834.7	818.3	801.4	783.9	766.8	751.2
10°	963.5	941.7	917.6	889.1	862.3	838.5	816.4	795.0	774.2	753.4	735.6
12.5°	997.5	970.3	934.7	901.4	871.4	839.6	812.9	786.6	761.6	739.8	719.0
15°	1043.2	1004.0	962.8	918.3	878.7	841.5	805.0	771.8	743.7	714.9	694.8
17.5°	1071.3	1022.8	975.7	929.1	881.2	834.3	795.0	756.7	721.4	692.8	667.5
20°	1089.8	1041.6	982.9	936.3	879.3	831.1	785.6	743.0	706.2	675.7	649.5
22.5°	1105.9	1050.1	991.4	930.1	873.5	822.3	772.4	729.6	692.0	659.9	634.8
25°	1114.6	1050.6	986.9	925.9	861.6	801.0	755.8	705.5	665.3	631.5	604.7
27.5°	1115.5	1047.1	975.1	907.3	840.9	784.5	727.4	682.4	640.8	604.9	579.2
30°	1112.5	1041.2	963.8	890.4	823.8	762.4	712.9	664.0	621.4	585.9	559.1
32.5°	1103.1	1028.8	949.3	871.7	802.6	742.6	691.5	645.0	603.5	568.5	540.4
35°	1076.0	1002.6	917.9	837.2	766.5	705.8	659.6	612.3	570.8	537.7	510.6
37.5°	1033.6	967.2	881.1	797.5	728.1	667.3	621.4	578.8	541.3	507.6	479.7
40°	996.6	938.3	851.9	770.5	695.4	637.5	594.6	555.4	518.2	486.4	459.9
42.5°	954.0	903.2	823.5	737.3	664.9	606.7	564.9	529.7	494.6	465.3	438.8
45°	878.0	844.6	769.5	689.7	614.4	559.5	519.6	488.8	459.3	430.5	408.4
47.5°	790.7	774.0	710.8	635.2	563.6	509.5	474.9	446.4	420.6	396.1	376.7
50°	731.9	723.9	669.3	596.3	528.0	477.1	442.2	417.8	395.6	374.2	355.8
52.5°	674.1	673.8	624.6	557.7	494.5	445.4	410.9	388.0	368.9	351.4	334.8
55°	585.6	595.0	556.5	496.8	440.2	396.0	364.8	344.4	331.0	316.6	304.2
57.5°	504.3	519.9	488.1	435.6	388.3	347.6	320.5	305.1	290.8	282.1	273.1
60°	451.3	466.0	441.2	397.0	352.4	317.5	291.8	278.0	265.6	259.6	253.2
62.5°	404.1	417.2	398.8	357.8	319.2	285.7	263.9	250.7	242.4	235.7	231.5
65°	336.7	347.8	332.0	302.2	269.0	242.2	224.5	214.0	206.0	203.4	198.6
67.5°	272.2	282.2	273.7	248.4	221.8	201.5	187.6	177.6	172.9	170.5	167.2
70°	233.8	243.9	234.8	212.8	192.3	175.2	162.1	156.4	151.4	150.4	145.8
72.5°	201.4	208.3	199.1	181.9	164.5	150.0	139.9	134.0	131.3	129.5	127.0
75°	151.1	157.1	151.1	137.7	125.3	115.2	106.5	104.2	101.2	100.1	98.5
77.5°	106.9	112.2	107.5	99.2	89.9	82.1	77.5	74.5	73.8	72.1	72.8
80°	81.7	85.1	80.8	75.1	67.7	62.3	59.0	57.3	55.3	54.6	56.0
82.5°	58.7	60.2	57.9	54.2	48.6	45.1	42.9	40.9	40.6	40.6	40.6
85°	30.5	30.1	29.8	26.4	24.8	22.5	21.1	20.8	20.4	21.1	21.8
87.5°	12.7	12.7	12.2	10.8	9.7	8.5	8.0	7.4	8.0	8.5	9.1
90°	12.4	11.2	10.0	8.6	7.0	5.3	3.7	2.0	3.7	5.3	7.0
92.5°	11.9	10.7	9.5	8.9	8.8	8.7	8.6	8.5	8.6	8.7	8.8
95°	14.6	14.4	14.2	16.7	21.8	26.9	31.9	37.0	31.9	26.9	21.8
97.5°	51.1	67.8	84.6	91.4	88.2	85.0	81.8	78.6	81.8	85.0	88.2
100°	70.9	91.5	112.2	121.1	118.5	115.8	113.1	110.4	113.1	115.8	118.5
102.5°	148.1	150.8	153.5	153.9	151.9	149.9	147.9	145.9	147.9	149.9	151.9
105°	208.5	207.8	207.1	206.2	205.3	204.4	203.5	202.6	203.5	204.4	205.3
107.5°	259.8	258.8	257.8	257.1	256.7	256.1	255.7	255.3	255.7	256.1	256.7
110°	295.1	294.2	293.3	292.7	292.1	291.7	291.3	290.8	291.3	291.7	292.1





TEST NUMBER: P332553-935

CATALOG NUMBER: SA4XXDIP-C575D810U935-4F0-1E-UDD-A

**CANDELA DISTRIBUTION (continued):**

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	329.9	329.6	329.2	328.6	327.7	326.9	326.1	325.3	326.1	326.9	327.7
115°	380.0	380.1	380.3	380.1	379.7	379.3	378.8	378.3	378.8	379.3	379.7
117.5°	429.6	429.3	429.0	428.5	427.9	427.3	426.7	426.1	426.7	427.3	427.9
120°	460.8	460.9	461.1	460.8	460.3	459.7	459.1	458.5	459.1	459.7	460.3
122.5°	490.8	490.5	490.3	490.1	489.7	489.3	489.0	488.6	489.0	489.3	489.7
125°	533.8	534.1	534.3	534.3	533.6	533.0	532.4	531.8	532.4	533.0	533.6
127.5°	575.1	574.5	573.8	573.3	573.3	573.1	572.9	572.7	572.9	573.1	573.3
130°	601.0	600.5	600.0	599.8	599.6	599.4	599.3	599.2	599.3	599.4	599.6
132.5°	626.0	625.4	624.9	624.5	624.2	624.0	623.6	623.4	623.6	624.0	624.2
135°	660.6	660.0	659.4	659.2	659.3	659.4	659.6	659.8	659.6	659.4	659.3
137.5°	693.9	693.2	692.5	692.2	692.1	692.1	692.0	691.9	692.0	692.1	692.1
140°	715.1	714.7	714.5	714.1	713.9	713.5	713.3	712.9	713.3	713.5	713.9
142.5°	734.7	734.4	734.3	733.9	733.4	732.9	732.3	731.8	732.3	732.9	733.4
145°	762.8	762.8	762.8	762.5	762.1	761.6	761.2	760.7	761.2	761.6	762.1
147.5°	787.1	787.3	787.5	787.1	786.3	785.4	784.6	783.8	784.6	785.4	786.3
150°	802.8	802.9	803.1	802.8	802.3	801.7	801.1	800.5	801.1	801.7	802.3
152.5°	816.0	816.2	816.5	816.4	815.9	815.4	814.9	814.4	814.9	815.4	815.9
155°	833.6	834.1	834.6	834.7	834.6	834.4	834.2	834.1	834.2	834.4	834.6
157.5°	849.0	849.5	850.0	850.3	850.4	850.5	850.6	850.7	850.6	850.5	850.4
160°	858.0	858.2	858.2	858.6	859.0	859.5	859.9	860.4	859.9	859.5	859.0
162.5°	866.1	866.2	866.3	866.7	867.3	867.8	868.4	869.0	868.4	867.8	867.3
165°	876.5	876.5	876.5	876.9	877.6	878.4	879.2	879.9	879.2	878.4	877.6
167.5°	884.8	884.8	884.9	885.4	886.1	886.9	887.7	888.5	887.7	886.9	886.1
170°	889.7	889.5	889.4	889.8	890.6	891.6	892.4	893.4	892.4	891.6	890.6
172.5°	892.9	892.8	892.6	893.0	893.9	894.8	895.7	896.6	895.7	894.8	893.9
175°	896.4	896.3	896.1	896.5	897.4	898.3	899.1	900.1	899.1	898.3	897.4
177.5°	898.5	898.3	898.0	898.4	899.1	900.0	900.9	901.7	900.9	900.0	899.1
180°	900.1	900.1	900.1	900.1	900.1	900.1	900.1	900.1	900.1	900.1	900.1



TEST NUMBER: P332553-935

CATALOG NUMBER: SA4XXDIP-C575D810U935-4F0-1E-UDD-A

**CANDELA DISTRIBUTION (continued):**

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	808.7	808.7	808.7	808.7	808.7	808.7	808.7	808.7	808.7	808.7	808.7
2.5°	793.2	790.7	787.2	782.4	778.4	774.1	773.0	771.5	774.6	772.0	771.2
5°	767.2	760.1	751.1	740.7	734.7	725.9	724.3	720.9	717.6	717.2	713.9
7.5°	739.6	729.3	717.5	706.9	697.1	687.6	681.3	680.0	675.0	672.2	668.8
10°	721.9	709.2	695.4	685.4	674.0	664.0	656.9	652.9	649.5	645.8	642.6
12.5°	701.0	687.5	676.1	665.3	651.8	644.1	632.6	625.6	624.9	625.0	616.3
15°	676.7	663.3	645.8	630.5	623.1	608.4	602.0	593.9	588.9	583.9	579.9
17.5°	648.9	632.2	618.6	600.9	586.9	575.1	566.7	561.9	554.4	547.3	542.1
20°	631.5	613.7	599.3	580.6	565.2	550.8	543.7	537.0	531.3	525.3	519.6
22.5°	613.8	595.2	577.6	559.4	545.0	529.9	523.1	513.9	508.5	505.1	499.5
25°	585.9	565.8	545.7	528.3	513.6	500.2	491.1	484.1	478.0	475.4	471.7
27.5°	555.6	535.6	516.3	496.5	479.7	470.0	462.8	457.4	454.0	450.5	448.8
30°	536.3	515.6	494.8	476.4	461.0	451.3	444.5	440.8	438.2	436.5	434.8
32.5°	516.8	496.3	474.4	457.6	443.8	435.1	430.1	426.4	425.1	424.5	423.9
35°	485.4	464.7	444.5	429.5	416.4	413.0	408.7	406.7	406.0	408.4	409.4
37.5°	455.0	435.8	417.2	402.7	394.1	389.2	387.7	387.8	390.2	392.3	394.7
40°	435.5	416.7	399.3	386.6	378.6	375.6	374.9	376.5	379.2	381.6	384.3
42.5°	416.5	398.0	382.2	370.2	364.6	361.9	362.3	363.9	367.7	370.6	374.6
45°	386.9	371.5	356.1	346.4	341.7	342.3	342.3	345.3	349.0	353.4	357.7
47.5°	359.1	343.5	330.9	322.7	320.3	319.7	321.6	325.5	330.9	336.2	342.3
50°	340.4	325.6	314.5	307.2	304.5	305.5	308.2	311.9	318.2	324.9	331.3
52.5°	321.3	307.9	297.6	290.8	289.0	290.8	293.4	299.3	304.9	312.1	319.8
55°	291.8	280.4	272.3	267.3	266.7	267.7	270.7	277.1	285.1	294.1	301.5
57.5°	262.3	252.9	245.5	242.0	242.4	243.3	248.2	255.8	264.4	274.1	283.5
60°	242.5	233.8	227.8	225.2	225.5	227.5	233.5	240.6	251.2	260.6	270.7
62.5°	223.8	216.1	210.3	207.9	207.5	211.9	217.7	225.0	235.7	246.2	257.0
65°	193.6	187.6	182.9	181.6	182.5	185.9	193.3	203.0	212.1	223.1	234.5
67.5°	164.1	159.2	156.0	156.6	157.8	162.7	168.9	177.3	187.5	199.0	210.3
70°	145.4	140.7	138.0	138.4	140.3	146.4	151.8	160.1	171.2	182.9	192.3
72.5°	126.1	123.0	120.6	122.0	124.0	128.2	134.8	143.3	153.0	163.8	173.8
75°	96.8	96.8	95.5	96.5	99.5	103.5	108.6	117.3	127.0	135.7	143.7
77.5°	71.8	71.1	72.0	73.2	74.9	79.6	85.4	91.7	98.9	107.7	114.3
80°	54.9	55.3	56.9	59.0	59.7	63.3	69.3	75.1	80.8	88.1	94.5
82.5°	41.2	41.6	42.4	45.0	45.7	49.7	53.6	59.2	64.4	69.3	74.6
85°	22.5	22.5	24.1	25.1	26.8	29.4	31.9	35.2	39.9	43.2	48.2
87.5°	10.3	10.6	11.9	12.7	13.7	15.3	16.0	19.1	20.4	21.9	24.5
90°	8.6	10.0	11.2	12.4	13.6	14.8	15.7	16.6	17.5	18.4	19.0
92.5°	8.9	9.5	10.7	11.9	13.1	14.3	15.2	16.1	17.0	17.8	18.3
95°	16.7	14.2	14.4	14.6	14.6	14.8	15.7	16.6	17.5	18.4	18.9
97.5°	91.4	84.6	67.8	51.1	34.4	17.7	17.8	18.0	18.1	18.2	18.3
100°	121.1	112.2	91.5	70.9	50.3	29.6	27.0	24.5	22.0	19.5	18.3
102.5°	153.9	153.5	150.8	148.1	145.4	142.8	115.3	87.8	60.4	33.0	19.3
105°	206.2	207.1	207.8	208.5	209.3	210.0	211.4	212.8	214.0	215.4	213.4
107.5°	257.1	257.8	258.8	259.8	260.9	261.9	262.5	263.2	263.8	264.5	265.1
110°	292.7	293.3	294.2	295.1	296.0	296.9	297.2	297.5	297.8	298.1	298.4



TEST NUMBER: P332553-935

CATALOG NUMBER: SA4XXDIP-C575D810U935-4F0-1E-UDD-A

**CANDELA DISTRIBUTION (continued):**

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	328.6	329.2	329.6	329.9	330.4	330.8	330.8	330.7	330.6	330.5	330.8
115°	380.1	380.3	380.1	380.0	379.9	379.7	380.0	380.3	380.6	380.9	381.1
117.5°	428.5	429.0	429.3	429.6	430.0	430.3	430.2	430.2	430.2	430.1	430.0
120°	460.8	461.1	460.9	460.8	460.6	460.5	460.8	461.1	461.4	461.7	461.7
122.5°	490.1	490.3	490.5	490.8	490.9	491.2	491.4	491.5	491.7	491.9	491.8
125°	534.3	534.3	534.1	533.8	533.5	533.2	533.6	534.1	534.5	534.9	535.3
127.5°	573.3	573.8	574.5	575.1	575.8	576.5	576.4	576.4	576.3	576.2	576.1
130°	599.8	600.0	600.5	601.0	601.4	601.8	602.0	602.2	602.3	602.4	602.5
132.5°	624.5	624.9	625.4	626.0	626.5	627.2	627.3	627.5	627.6	627.8	627.8
135°	659.2	659.4	660.0	660.6	661.2	661.8	662.0	662.4	662.6	663.0	663.2
137.5°	692.2	692.5	693.2	693.9	694.5	695.2	695.5	695.8	696.1	696.5	696.5
140°	714.1	714.5	714.7	715.1	715.3	715.6	716.1	716.5	717.0	717.4	717.7
142.5°	733.9	734.3	734.4	734.7	734.9	735.0	735.4	735.6	736.0	736.3	736.5
145°	762.5	762.8	762.8	762.8	762.8	762.8	762.9	763.0	763.2	763.4	763.5
147.5°	787.1	787.5	787.3	787.1	787.0	786.9	787.0	787.1	787.2	787.3	787.5
150°	802.8	803.1	802.9	802.8	802.6	802.5	802.5	802.5	802.5	802.5	802.5
152.5°	816.4	816.5	816.2	816.0	815.6	815.4	815.6	815.9	816.1	816.3	816.4
155°	834.7	834.6	834.1	833.6	833.2	832.8	833.4	834.0	834.6	835.2	835.3
157.5°	850.3	850.0	849.5	849.0	848.5	848.0	848.8	849.5	850.3	851.1	851.1
160°	858.6	858.2	858.2	858.0	857.8	857.6	858.6	859.5	860.4	861.3	861.3
162.5°	866.7	866.3	866.2	866.1	865.9	865.7	866.7	867.5	868.4	869.4	869.3
165°	876.9	876.5	876.5	876.5	876.5	876.5	877.7	878.9	880.1	881.3	881.2
167.5°	885.4	884.9	884.8	884.8	884.7	884.6	885.9	887.3	888.6	889.8	889.8
170°	889.8	889.4	889.5	889.7	889.8	890.0	891.1	892.3	893.5	894.8	894.6
172.5°	893.0	892.6	892.8	892.9	893.0	893.2	894.4	895.6	896.8	898.0	897.8
175°	896.5	896.1	896.3	896.4	896.6	896.7	898.0	899.4	900.8	902.1	901.9
177.5°	898.4	898.0	898.3	898.5	898.8	899.0	899.9	901.0	901.9	902.8	902.6
180°	900.1	900.1	900.1	900.1	900.1	900.1	900.1	900.1	900.1	900.1	900.1



TEST NUMBER: P332553-935  
 CATALOG NUMBER: SA4XXDIP-C575D810U935-4F0-1E-UDD-A

**CANDELA DISTRIBUTION (continued):**

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	808.7	808.7	808.7	808.7	808.7	808.7	808.7	808.7	808.7	808.7	808.7
2.5°	770.6	770.1	768.2	767.9	768.2	770.1	770.6	771.2	772.0	774.6	771.5
5°	711.9	710.2	709.2	712.9	709.2	710.2	711.9	713.9	717.2	717.6	720.9
7.5°	667.6	666.2	663.3	662.4	663.3	666.2	667.6	668.8	672.2	675.0	680.0
10°	639.2	637.8	635.2	634.5	635.2	637.8	639.2	642.6	645.8	649.5	652.9
12.5°	611.8	609.2	608.6	609.3	608.6	609.2	611.8	616.3	625.0	624.9	625.6
15°	575.5	574.2	570.5	571.5	570.5	574.2	575.5	579.9	583.9	588.9	593.9
17.5°	539.8	538.1	533.6	537.6	533.6	538.1	539.8	542.1	547.3	554.4	561.9
20°	517.2	514.5	512.2	511.9	512.2	514.5	517.2	519.6	525.3	531.3	537.0
22.5°	495.8	493.4	493.2	490.9	493.2	493.4	495.8	499.5	505.1	508.5	513.9
25°	469.0	466.7	466.0	464.3	466.0	466.7	469.0	471.7	475.4	478.0	484.1
27.5°	448.4	447.3	446.1	446.6	446.1	447.3	448.4	448.8	450.5	454.0	457.4
30°	435.8	435.5	434.8	434.8	434.8	435.5	435.8	434.8	436.5	438.2	440.8
32.5°	425.4	425.3	425.7	425.7	425.7	425.3	425.4	423.9	424.5	425.1	426.4
35°	410.7	411.7	412.4	411.4	412.4	411.7	410.7	409.4	408.4	406.0	406.7
37.5°	397.4	398.5	399.4	400.5	399.4	398.5	397.4	394.7	392.3	390.2	387.8
40°	387.3	389.6	390.3	391.9	390.3	389.6	387.3	384.3	381.6	379.2	376.5
42.5°	377.6	380.2	381.9	382.3	381.9	380.2	377.6	374.6	370.6	367.7	363.9
45°	362.8	365.5	367.8	367.8	367.8	365.5	362.8	357.7	353.4	349.0	345.3
47.5°	347.5	351.4	353.7	354.3	353.7	351.4	347.5	342.3	336.2	330.9	325.5
50°	337.0	341.7	344.1	345.7	344.1	341.7	337.0	331.3	324.9	318.2	311.9
52.5°	326.8	331.5	334.7	335.5	334.7	331.5	326.8	319.8	312.1	304.9	299.3
55°	309.2	315.9	319.6	320.9	319.6	315.9	309.2	301.5	294.1	285.1	277.1
57.5°	292.6	298.8	303.1	304.0	303.1	298.8	292.6	283.5	274.1	264.4	255.8
60°	279.7	286.5	291.8	292.8	291.8	286.5	279.7	270.7	260.6	251.2	240.6
62.5°	266.6	273.5	278.4	281.0	278.4	273.5	266.6	257.0	246.2	235.7	225.0
65°	243.9	250.9	255.6	256.6	255.6	250.9	243.9	234.5	223.1	212.1	203.0
67.5°	219.1	226.1	229.2	231.2	229.2	226.1	219.1	210.3	199.0	187.5	177.3
70°	201.6	207.3	210.7	212.4	210.7	207.3	201.6	192.3	182.9	171.2	160.1
72.5°	181.8	187.8	191.7	192.0	191.7	187.8	181.8	173.8	163.8	153.0	143.3
75°	151.4	156.8	158.8	158.8	158.8	156.8	151.4	143.7	135.7	127.0	117.3
77.5°	119.9	122.6	125.2	125.7	125.2	122.6	119.9	114.3	107.7	98.9	91.7
80°	99.5	101.2	103.1	103.1	103.1	101.2	99.5	94.5	88.1	80.8	75.1
82.5°	78.6	80.0	82.0	81.7	82.0	80.0	78.6	74.6	69.3	64.4	59.2
85°	47.5	50.6	50.3	49.6	50.3	50.6	47.5	48.2	43.2	39.9	35.2
87.5°	25.3	25.7	26.5	27.1	26.5	25.7	25.3	24.5	21.9	20.4	19.1
90°	19.3	19.6	19.9	20.2	19.9	19.6	19.3	19.0	18.4	17.5	16.6
92.5°	18.4	18.4	18.5	18.6	18.5	18.4	18.4	18.3	17.8	17.0	16.1
95°	19.1	19.2	19.4	19.5	19.4	19.2	19.1	18.9	18.4	17.5	16.6
97.5°	18.4	18.5	18.7	18.9	18.7	18.5	18.4	18.3	18.2	18.1	18.0
100°	18.4	18.5	18.7	18.9	18.7	18.5	18.4	18.3	19.5	22.0	24.5
102.5°	19.3	19.3	19.4	19.4	19.4	19.3	19.3	19.3	33.0	60.4	87.8
105°	208.0	202.6	197.3	191.8	197.3	202.6	208.0	213.4	215.4	214.0	212.8
107.5°	265.7	266.2	266.8	267.4	266.8	266.2	265.7	265.1	264.5	263.8	263.2
110°	298.9	299.4	299.8	300.2	299.8	299.4	298.9	298.4	298.1	297.8	297.5



TEST NUMBER: P332553-935

CATALOG NUMBER: SA4XXDIP-C575D810U935-4F0-1E-UDD-A

**CANDELA DISTRIBUTION (continued):**

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	331.4	332.0	332.5	333.1	332.5	332.0	331.4	330.8	330.5	330.6	330.7
115°	381.1	381.1	381.1	381.1	381.1	381.1	381.1	381.1	380.9	380.6	380.3
117.5°	430.0	429.9	429.8	429.8	429.8	429.9	430.0	430.0	430.1	430.2	430.2
120°	461.4	461.1	460.8	460.5	460.8	461.1	461.4	461.7	461.7	461.4	461.1
122.5°	491.5	491.2	490.9	490.6	490.9	491.2	491.5	491.8	491.9	491.7	491.5
125°	535.5	535.5	535.7	535.9	535.7	535.5	535.5	535.3	534.9	534.5	534.1
127.5°	575.9	575.8	575.8	575.6	575.8	575.8	575.9	576.1	576.2	576.3	576.4
130°	602.5	602.5	602.5	602.5	602.5	602.5	602.5	602.5	602.4	602.3	602.2
132.5°	627.7	627.5	627.4	627.3	627.4	627.5	627.7	627.8	627.8	627.6	627.5
135°	663.6	663.8	664.2	664.4	664.2	663.8	663.6	663.2	663.0	662.6	662.4
137.5°	696.5	696.4	696.3	696.2	696.3	696.4	696.5	696.5	696.5	696.1	695.8
140°	717.9	718.0	718.2	718.3	718.2	718.0	717.9	717.7	717.4	717.0	716.5
142.5°	736.5	736.6	736.6	736.6	736.6	736.6	736.5	736.5	736.3	736.0	735.6
145°	763.9	764.1	764.5	764.7	764.5	764.1	763.9	763.5	763.4	763.2	763.0
147.5°	787.6	787.7	787.9	788.1	787.9	787.7	787.6	787.5	787.3	787.2	787.1
150°	802.7	802.8	803.0	803.1	803.0	802.8	802.7	802.5	802.5	802.5	802.5
152.5°	816.3	816.2	816.1	816.1	816.1	816.2	816.3	816.4	816.3	816.1	815.9
155°	834.7	834.3	833.9	833.4	833.9	834.3	834.7	835.3	835.2	834.6	834.0
157.5°	850.3	849.5	848.8	848.0	848.8	849.5	850.3	851.1	851.1	850.3	849.5
160°	860.4	859.5	858.6	857.6	858.6	859.5	860.4	861.3	861.3	860.4	859.5
162.5°	868.2	867.2	866.3	865.2	866.3	867.2	868.2	869.3	869.4	868.4	867.5
165°	879.9	878.6	877.2	875.8	877.2	878.6	879.9	881.2	881.3	880.1	878.9
167.5°	888.3	886.7	885.3	883.8	885.3	886.7	888.3	889.8	889.8	888.6	887.3
170°	893.1	891.7	890.1	888.6	890.1	891.7	893.1	894.6	894.8	893.5	892.3
172.5°	896.2	894.6	892.9	891.3	892.9	894.6	896.2	897.8	898.0	896.8	895.6
175°	900.1	898.3	896.5	894.7	896.5	898.3	900.1	901.9	902.1	900.8	899.4
177.5°	901.1	899.7	898.3	896.8	898.3	899.7	901.1	902.6	902.8	901.9	901.0
180°	900.1	900.1	900.1	900.1	900.1	900.1	900.1	900.1	900.1	900.1	900.1



TEST NUMBER: P332553-935  
 CATALOG NUMBER: SA4XXDIP-C575D810U935-4F0-1E-UDD-A

**CANDELA DISTRIBUTION (continued):**

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	808.7	808.7	808.7	808.7	808.7	808.7	808.7	808.7	808.7	808.7	808.7
2.5°	773.0	774.1	778.4	782.4	787.2	790.7	793.2	795.8	801.4	806.0	810.3
5°	724.3	725.9	734.7	740.7	751.1	760.1	767.2	774.8	783.9	796.3	807.7
7.5°	681.3	687.6	697.1	706.9	717.5	729.3	739.6	751.2	766.8	783.9	801.4
10°	656.9	664.0	674.0	685.4	695.4	709.2	721.9	735.6	753.4	774.2	795.0
12.5°	632.6	644.1	651.8	665.3	676.1	687.5	701.0	719.0	739.8	761.6	786.6
15°	602.0	608.4	623.1	630.5	645.8	663.3	676.7	694.8	714.9	743.7	771.8
17.5°	566.7	575.1	586.9	600.9	618.6	632.2	648.9	667.5	692.8	721.4	756.7
20°	543.7	550.8	565.2	580.6	599.3	613.7	631.5	649.5	675.7	706.2	743.0
22.5°	523.1	529.9	545.0	559.4	577.6	595.2	613.8	634.8	659.9	692.0	729.6
25°	491.1	500.2	513.6	528.3	545.7	565.8	585.9	604.7	631.5	665.3	705.5
27.5°	462.8	470.0	479.7	496.5	516.3	535.6	555.6	579.2	604.9	640.8	682.4
30°	444.5	451.3	461.0	476.4	494.8	515.6	536.3	559.1	585.9	621.4	664.0
32.5°	430.1	435.1	443.8	457.6	474.4	496.3	516.8	540.4	568.5	603.5	645.0
35°	408.7	413.0	416.4	429.5	444.5	464.7	485.4	510.6	537.7	570.8	612.3
37.5°	387.7	389.2	394.1	402.7	417.2	435.8	455.0	479.7	507.6	541.3	578.8
40°	374.9	375.6	378.6	386.6	399.3	416.7	435.5	459.9	486.4	518.2	555.4
42.5°	362.3	361.9	364.6	370.2	382.2	398.0	416.5	438.8	465.3	494.6	529.7
45°	342.3	342.3	341.7	346.4	356.1	371.5	386.9	408.4	430.5	459.3	488.8
47.5°	321.6	319.7	320.3	322.7	330.9	343.5	359.1	376.7	396.1	420.6	446.4
50°	308.2	305.5	304.5	307.2	314.5	325.6	340.4	355.8	374.2	395.6	417.8
52.5°	293.4	290.8	289.0	290.8	297.6	307.9	321.3	334.8	351.4	368.9	388.0
55°	270.7	267.7	266.7	267.3	272.3	280.4	291.8	304.2	316.6	331.0	344.4
57.5°	248.2	243.3	242.4	242.0	245.5	252.9	262.3	273.1	282.1	290.8	305.1
60°	233.5	227.5	225.5	225.2	227.8	233.8	242.5	253.2	259.6	265.6	278.0
62.5°	217.7	211.9	207.5	207.9	210.3	216.1	223.8	231.5	235.7	242.4	250.7
65°	193.3	185.9	182.5	181.6	182.9	187.6	193.6	198.6	203.4	206.0	214.0
67.5°	168.9	162.7	157.8	156.6	156.0	159.2	164.1	167.2	170.5	172.9	177.6
70°	151.8	146.4	140.3	138.4	138.0	140.7	145.4	145.8	150.4	151.4	156.4
72.5°	134.8	128.2	124.0	122.0	120.6	123.0	126.1	127.0	129.5	131.3	134.0
75°	108.6	103.5	99.5	96.5	95.5	96.8	96.8	98.5	100.1	101.2	104.2
77.5°	85.4	79.6	74.9	73.2	72.0	71.1	71.8	72.8	72.1	73.8	74.5
80°	69.3	63.3	59.7	59.0	56.9	55.3	54.9	56.0	54.6	55.3	57.3
82.5°	53.6	49.7	45.7	45.0	42.4	41.6	41.2	40.6	40.6	40.6	40.9
85°	31.9	29.4	26.8	25.1	24.1	22.5	22.5	21.8	21.1	20.4	20.8
87.5°	16.0	15.3	13.7	12.7	11.9	10.6	10.3	9.1	8.5	8.0	7.4
90°	15.7	14.8	13.6	12.4	11.2	10.0	8.6	7.0	5.3	3.7	2.0
92.5°	15.2	14.3	13.1	11.9	10.7	9.5	8.9	8.8	8.7	8.6	8.5
95°	15.7	14.8	14.6	14.6	14.4	14.2	16.7	21.8	26.9	31.9	37.0
97.5°	17.8	17.7	34.4	51.1	67.8	84.6	91.4	88.2	85.0	81.8	78.6
100°	27.0	29.6	50.3	70.9	91.5	112.2	121.1	118.5	115.8	113.1	110.4
102.5°	115.3	142.8	145.4	148.1	150.8	153.5	153.9	151.9	149.9	147.9	145.9
105°	211.4	210.0	209.3	208.5	207.8	207.1	206.2	205.3	204.4	203.5	202.6
107.5°	262.5	261.9	260.9	259.8	258.8	257.8	257.1	256.7	256.1	255.7	255.3
110°	297.2	296.9	296.0	295.1	294.2	293.3	292.7	292.1	291.7	291.3	290.8



TEST NUMBER: P332553-935

CATALOG NUMBER: SA4XXDIP-C575D810U935-4F0-1E-UDD-A

**CANDELA DISTRIBUTION (continued):**

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	330.8	330.8	330.4	329.9	329.6	329.2	328.6	327.7	326.9	326.1	325.3
115°	380.0	379.7	379.9	380.0	380.1	380.3	380.1	379.7	379.3	378.8	378.3
117.5°	430.2	430.3	430.0	429.6	429.3	429.0	428.5	427.9	427.3	426.7	426.1
120°	460.8	460.5	460.6	460.8	460.9	461.1	460.8	460.3	459.7	459.1	458.5
122.5°	491.4	491.2	490.9	490.8	490.5	490.3	490.1	489.7	489.3	489.0	488.6
125°	533.6	533.2	533.5	533.8	534.1	534.3	534.3	533.6	533.0	532.4	531.8
127.5°	576.4	576.5	575.8	575.1	574.5	573.8	573.3	573.3	573.1	572.9	572.7
130°	602.0	601.8	601.4	601.0	600.5	600.0	599.8	599.6	599.4	599.3	599.2
132.5°	627.3	627.2	626.5	626.0	625.4	624.9	624.5	624.2	624.0	623.6	623.4
135°	662.0	661.8	661.2	660.6	660.0	659.4	659.2	659.3	659.4	659.6	659.8
137.5°	695.5	695.2	694.5	693.9	693.2	692.5	692.2	692.1	692.1	692.0	691.9
140°	716.1	715.6	715.3	715.1	714.7	714.5	714.1	713.9	713.5	713.3	712.9
142.5°	735.4	735.0	734.9	734.7	734.4	734.3	733.9	733.4	732.9	732.3	731.8
145°	762.9	762.8	762.8	762.8	762.8	762.8	762.5	762.1	761.6	761.2	760.7
147.5°	787.0	786.9	787.0	787.1	787.3	787.5	787.1	786.3	785.4	784.6	783.8
150°	802.5	802.5	802.6	802.8	802.9	803.1	802.8	802.3	801.7	801.1	800.5
152.5°	815.6	815.4	815.6	816.0	816.2	816.5	816.4	815.9	815.4	814.9	814.4
155°	833.4	832.8	833.2	833.6	834.1	834.6	834.7	834.6	834.4	834.2	834.1
157.5°	848.8	848.0	848.5	849.0	849.5	850.0	850.3	850.4	850.5	850.6	850.7
160°	858.6	857.6	857.8	858.0	858.2	858.2	858.6	859.0	859.5	859.9	860.4
162.5°	866.7	865.7	865.9	866.1	866.2	866.3	866.7	867.3	867.8	868.4	869.0
165°	877.7	876.5	876.5	876.5	876.5	876.5	876.9	877.6	878.4	879.2	879.9
167.5°	885.9	884.6	884.7	884.8	884.8	884.9	885.4	886.1	886.9	887.7	888.5
170°	891.1	890.0	889.8	889.7	889.5	889.4	889.8	890.6	891.6	892.4	893.4
172.5°	894.4	893.2	893.0	892.9	892.8	892.6	893.0	893.9	894.8	895.7	896.6
175°	898.0	896.7	896.6	896.4	896.3	896.1	896.5	897.4	898.3	899.1	900.1
177.5°	899.9	899.0	898.8	898.5	898.3	898.0	898.4	899.1	900.0	900.9	901.7
180°	900.1	900.1	900.1	900.1	900.1	900.1	900.1	900.1	900.1	900.1	900.1



TEST NUMBER: P332553-935  
 CATALOG NUMBER: SA4XXDIP-C575D810U935-4F0-1E-UDD-A

**CANDELA DISTRIBUTION (continued):**

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	808.7	808.7	808.7	808.7	808.7	808.7	808.7	808.7	808.7	808.7	808.7
2.5°	814.1	816.7	820.2	826.1	828.3	831.0	834.7	834.4	835.5	839.5	848.1
5°	817.1	827.4	837.5	849.5	862.3	870.6	882.1	889.1	896.1	905.2	920.6
7.5°	818.3	834.7	853.2	874.3	893.2	914.9	931.9	947.8	962.2	981.3	999.6
10°	816.4	838.5	862.3	889.1	917.6	941.7	963.5	988.3	1009.4	1032.4	1053.3
12.5°	812.9	839.6	871.4	901.4	934.7	970.3	997.5	1022.5	1050.6	1077.2	1109.2
15°	805.0	841.5	878.7	918.3	962.8	1004.0	1043.2	1075.6	1105.9	1145.7	1187.6
17.5°	795.0	834.3	881.2	929.1	975.7	1022.8	1071.3	1120.1	1158.1	1207.6	1240.4
20°	785.6	831.1	879.3	936.3	982.9	1041.6	1089.8	1137.0	1189.2	1238.5	1277.7
22.5°	772.4	822.3	873.5	930.1	991.4	1050.1	1105.9	1157.1	1209.4	1262.9	1310.4
25°	755.8	801.0	861.6	925.9	986.9	1050.6	1114.6	1178.9	1235.1	1291.8	1336.0
27.5°	727.4	784.5	840.9	907.3	975.1	1047.1	1115.5	1182.8	1241.7	1288.3	1315.8
30°	712.9	762.4	823.8	890.4	963.8	1041.2	1112.5	1178.5	1233.5	1270.7	1281.7
32.5°	691.5	742.6	802.6	871.7	949.3	1028.8	1103.1	1165.4	1211.3	1230.7	1217.4
35°	659.6	705.8	766.5	837.2	917.9	1002.6	1076.0	1128.6	1152.1	1133.7	1087.7
37.5°	621.4	667.3	728.1	797.5	881.1	967.2	1033.6	1071.4	1063.7	1017.9	949.4
40°	594.6	637.5	695.4	770.5	851.9	938.3	996.6	1017.1	995.7	930.0	857.3
42.5°	564.9	606.7	664.9	737.3	823.5	903.2	954.0	955.7	919.8	841.3	768.3
45°	519.6	559.5	614.4	689.7	769.5	844.6	878.0	861.6	795.3	719.5	646.2
47.5°	474.9	509.5	563.6	635.2	710.8	774.0	790.7	761.1	690.4	616.9	548.9
50°	442.2	477.1	528.0	596.3	669.3	723.9	731.9	692.8	623.5	549.4	496.1
52.5°	410.9	445.4	494.5	557.7	624.6	673.8	674.1	628.7	559.6	493.7	444.1
55°	364.8	396.0	440.2	496.8	556.5	595.0	585.6	538.6	478.7	421.5	378.2
57.5°	320.5	347.6	388.3	435.6	488.1	519.9	504.3	459.2	405.6	357.1	324.3
60°	291.8	317.5	352.4	397.0	441.2	466.0	451.3	410.4	361.1	321.9	293.4
62.5°	263.9	285.7	319.2	357.8	398.8	417.2	404.1	363.8	321.2	285.8	262.6
65°	224.5	242.2	269.0	302.2	332.0	347.8	336.7	299.1	266.7	241.2	222.7
67.5°	187.6	201.5	221.8	248.4	273.7	282.2	272.2	246.0	218.5	198.1	185.1
70°	162.1	175.2	192.3	212.8	234.8	243.9	233.8	213.1	190.6	171.9	159.1
72.5°	139.9	150.0	164.5	181.9	199.1	208.3	201.4	181.4	162.5	148.5	137.7
75°	106.5	115.2	125.3	137.7	151.1	157.1	151.1	137.3	124.2	113.9	106.2
77.5°	77.5	82.1	89.9	99.2	107.5	112.2	106.9	97.6	89.6	82.6	78.7
80°	59.0	62.3	67.7	75.1	80.8	85.1	81.7	74.0	67.7	62.9	61.3
82.5°	42.9	45.1	48.6	54.2	57.9	60.2	58.7	53.1	50.5	46.3	44.7
85°	21.1	22.5	24.8	26.4	29.8	30.1	30.5	28.2	25.8	24.8	23.4
87.5°	8.0	8.5	9.7	10.8	12.2	12.7	12.7	12.9	12.1	12.0	11.1
90°	3.7	5.3	7.0	8.6	10.0	11.2	12.4	13.6	14.8	15.7	16.6
92.5°	8.6	8.7	8.8	8.9	9.5	10.7	11.9	13.1	14.3	15.2	16.1
95°	31.9	26.9	21.8	16.7	14.2	14.4	14.6	14.6	14.8	15.7	16.6
97.5°	81.8	85.0	88.2	91.4	84.6	67.8	51.1	34.4	17.7	17.8	18.0
100°	113.1	115.8	118.5	121.1	112.2	91.5	70.9	50.3	29.6	27.0	24.5
102.5°	147.9	149.9	151.9	153.9	153.5	150.8	148.1	145.4	142.8	115.3	87.8
105°	203.5	204.4	205.3	206.2	207.1	207.8	208.5	209.3	210.0	211.4	212.8
107.5°	255.7	256.1	256.7	257.1	257.8	258.8	259.8	260.9	261.9	262.5	263.2
110°	291.3	291.7	292.1	292.7	293.3	294.2	295.1	296.0	296.9	297.2	297.5





TEST NUMBER: P332553-935

CATALOG NUMBER: SA4XXDIP-C575D810U935-4F0-1E-UDD-A

**CANDELA DISTRIBUTION (continued):**

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	326.1	326.9	327.7	328.6	329.2	329.6	329.9	330.4	330.8	330.8	330.7
115°	378.8	379.3	379.7	380.1	380.3	380.1	380.0	379.9	379.7	380.0	380.3
117.5°	426.7	427.3	427.9	428.5	429.0	429.3	429.6	430.0	430.3	430.2	430.2
120°	459.1	459.7	460.3	460.8	461.1	460.9	460.8	460.6	460.5	460.8	461.1
122.5°	489.0	489.3	489.7	490.1	490.3	490.5	490.8	490.9	491.2	491.4	491.5
125°	532.4	533.0	533.6	534.3	534.3	534.1	533.8	533.5	533.2	533.6	534.1
127.5°	572.9	573.1	573.3	573.3	573.8	574.5	575.1	575.8	576.5	576.4	576.4
130°	599.3	599.4	599.6	599.8	600.0	600.5	601.0	601.4	601.8	602.0	602.2
132.5°	623.6	624.0	624.2	624.5	624.9	625.4	626.0	626.5	627.2	627.3	627.5
135°	659.6	659.4	659.3	659.2	659.4	660.0	660.6	661.2	661.8	662.0	662.4
137.5°	692.0	692.1	692.1	692.2	692.5	693.2	693.9	694.5	695.2	695.5	695.8
140°	713.3	713.5	713.9	714.1	714.5	714.7	715.1	715.3	715.6	716.1	716.5
142.5°	732.3	732.9	733.4	733.9	734.3	734.4	734.7	734.9	735.0	735.4	735.6
145°	761.2	761.6	762.1	762.5	762.8	762.8	762.8	762.8	762.8	762.9	763.0
147.5°	784.6	785.4	786.3	787.1	787.5	787.3	787.1	787.0	786.9	787.0	787.1
150°	801.1	801.7	802.3	802.8	803.1	802.9	802.8	802.6	802.5	802.5	802.5
152.5°	814.9	815.4	815.9	816.4	816.5	816.2	816.0	815.6	815.4	815.6	815.9
155°	834.2	834.4	834.6	834.7	834.6	834.1	833.6	833.2	832.8	833.4	834.0
157.5°	850.6	850.5	850.4	850.3	850.0	849.5	849.0	848.5	848.0	848.8	849.5
160°	859.9	859.5	859.0	858.6	858.2	858.2	858.0	857.8	857.6	858.6	859.5
162.5°	868.4	867.8	867.3	866.7	866.3	866.2	866.1	865.9	865.7	866.7	867.5
165°	879.2	878.4	877.6	876.9	876.5	876.5	876.5	876.5	876.5	877.7	878.9
167.5°	887.7	886.9	886.1	885.4	884.9	884.8	884.8	884.7	884.6	885.9	887.3
170°	892.4	891.6	890.6	889.8	889.4	889.5	889.7	889.8	890.0	891.1	892.3
172.5°	895.7	894.8	893.9	893.0	892.6	892.8	892.9	893.0	893.2	894.4	895.6
175°	899.1	898.3	897.4	896.5	896.1	896.3	896.4	896.6	896.7	898.0	899.4
177.5°	900.9	900.0	899.1	898.4	898.0	898.3	898.5	898.8	899.0	899.9	901.0
180°	900.1	900.1	900.1	900.1	900.1	900.1	900.1	900.1	900.1	900.1	900.1



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**CANDELA DISTRIBUTION (continued):**

	330°	335°	340°	345°	350°	355°	360°
0°	808.7	808.7	808.7	808.7	808.7	808.7	808.7
2.5°	852.4	852.9	855.3	857.2	857.7	860.4	860.7
5°	927.3	933.0	944.0	945.0	946.7	955.5	948.7
7.5°	1015.0	1029.5	1039.1	1047.7	1050.8	1054.6	1053.8
10°	1071.3	1092.8	1103.5	1120.6	1121.3	1125.6	1122.9
12.5°	1127.9	1152.8	1172.3	1175.5	1189.8	1192.1	1195.8
15°	1208.0	1234.5	1261.6	1271.4	1291.1	1295.8	1303.1
17.5°	1283.3	1310.4	1329.4	1354.5	1362.6	1373.5	1366.1
20°	1324.6	1354.1	1378.2	1397.9	1406.4	1412.4	1411.7
22.5°	1349.5	1379.2	1398.8	1413.8	1421.6	1424.2	1424.0
25°	1365.1	1382.2	1388.3	1394.0	1385.3	1382.2	1383.5
27.5°	1321.7	1317.2	1301.6	1280.9	1259.5	1242.4	1233.2
30°	1262.0	1235.8	1212.0	1170.5	1149.0	1136.3	1124.9
32.5°	1177.2	1135.8	1090.1	1052.1	1027.6	1008.7	1005.9
35°	1032.2	969.8	913.9	867.3	843.2	822.8	818.0
37.5°	877.5	812.8	762.4	721.3	695.4	681.1	667.6
40°	774.8	719.3	669.7	634.8	615.1	604.7	596.3
42.5°	695.8	645.0	595.7	569.1	551.3	544.9	540.0
45°	586.6	539.3	505.1	485.1	474.7	464.0	458.9
47.5°	499.1	460.7	438.2	421.1	410.0	403.6	400.4
50°	449.5	418.1	398.0	385.0	374.9	369.8	367.1
52.5°	405.6	379.8	362.9	352.5	345.7	342.0	340.9
55°	349.4	329.7	318.9	309.9	304.9	301.5	300.1
57.5°	303.7	288.5	279.8	272.3	270.4	267.6	266.7
60°	273.7	262.0	254.6	249.6	247.9	244.5	245.2
62.5°	247.2	237.5	231.3	228.4	226.2	223.3	224.3
65°	209.1	202.0	198.6	196.0	193.3	191.7	193.0
67.5°	175.4	170.6	166.0	164.5	163.2	162.9	161.4
70°	153.4	149.4	145.4	144.4	144.4	143.0	142.7
72.5°	132.2	129.3	126.7	125.9	124.8	125.4	124.0
75°	102.2	99.8	98.8	97.8	97.5	97.5	96.5
77.5°	75.5	73.8	72.2	72.2	70.9	70.5	70.3
80°	57.3	56.7	55.3	55.3	54.6	54.9	54.2
82.5°	43.0	42.1	41.8	41.3	40.4	40.5	39.8
85°	23.1	22.1	21.8	20.8	20.1	20.8	20.1
87.5°	11.5	11.5	11.3	10.8	10.6	10.7	9.9
90°	17.5	18.4	19.0	19.3	19.6	19.9	20.2
92.5°	17.0	17.8	18.3	18.4	18.4	18.5	18.6
95°	17.5	18.4	18.9	19.1	19.2	19.4	19.5
97.5°	18.1	18.2	18.3	18.4	18.5	18.7	18.9
100°	22.0	19.5	18.3	18.4	18.5	18.7	18.9
102.5°	60.4	33.0	19.3	19.3	19.3	19.4	19.4
105°	214.0	215.4	213.4	208.0	202.6	197.3	191.8
107.5°	263.8	264.5	265.1	265.7	266.2	266.8	267.4
110°	297.8	298.1	298.4	298.9	299.4	299.8	300.2



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**CANDELA DISTRIBUTION (continued):**

	330°	335°	340°	345°	350°	355°	360°
112.5°	330.6	330.5	330.8	331.4	332.0	332.5	333.1
115°	380.6	380.9	381.1	381.1	381.1	381.1	381.1
117.5°	430.2	430.1	430.0	430.0	429.9	429.8	429.8
120°	461.4	461.7	461.7	461.4	461.1	460.8	460.5
122.5°	491.7	491.9	491.8	491.5	491.2	490.9	490.6
125°	534.5	534.9	535.3	535.5	535.5	535.7	535.9
127.5°	576.3	576.2	576.1	575.9	575.8	575.8	575.6
130°	602.3	602.4	602.5	602.5	602.5	602.5	602.5
132.5°	627.6	627.8	627.8	627.7	627.5	627.4	627.3
135°	662.6	663.0	663.2	663.6	663.8	664.2	664.4
137.5°	696.1	696.5	696.5	696.5	696.4	696.3	696.2
140°	717.0	717.4	717.7	717.9	718.0	718.2	718.3
142.5°	736.0	736.3	736.5	736.5	736.6	736.6	736.6
145°	763.2	763.4	763.5	763.9	764.1	764.5	764.7
147.5°	787.2	787.3	787.5	787.6	787.7	787.9	788.1
150°	802.5	802.5	802.5	802.7	802.8	803.0	803.1
152.5°	816.1	816.3	816.4	816.3	816.2	816.1	816.1
155°	834.6	835.2	835.3	834.7	834.3	833.9	833.4
157.5°	850.3	851.1	851.1	850.3	849.5	848.8	848.0
160°	860.4	861.3	861.3	860.4	859.5	858.6	857.6
162.5°	868.4	869.4	869.3	868.2	867.2	866.3	865.2
165°	880.1	881.3	881.2	879.9	878.6	877.2	875.8
167.5°	888.6	889.8	889.8	888.3	886.7	885.3	883.8
170°	893.5	894.8	894.6	893.1	891.7	890.1	888.6
172.5°	896.8	898.0	897.8	896.2	894.6	892.9	891.3
175°	900.8	902.1	901.9	900.1	898.3	896.5	894.7
177.5°	901.9	902.8	902.6	901.1	899.7	898.3	896.8
180°	900.1	900.1	900.1	900.1	900.1	900.1	900.1

(END OF REPORT)