

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: P332555-935

Luminaire Tested: **SA4XXDIP-C575D810U935-4F0-1E-UDD-A4**

Issue Date: 10/7/2019

Test Information

Test Method: LM-79-08
Report Number: P332555-935
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1807-864-18,
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-A4
Description: DEFINE 4 DIRECT-INDIRECT PENDANT LED LUMINAIRE
DOWNLIGHT 575 LUMENS PER FOOT, ASYMMETRIC DIFFUSER
UPLIGHT 810 LUMENS PER FOOT, BATWING OPTIC
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

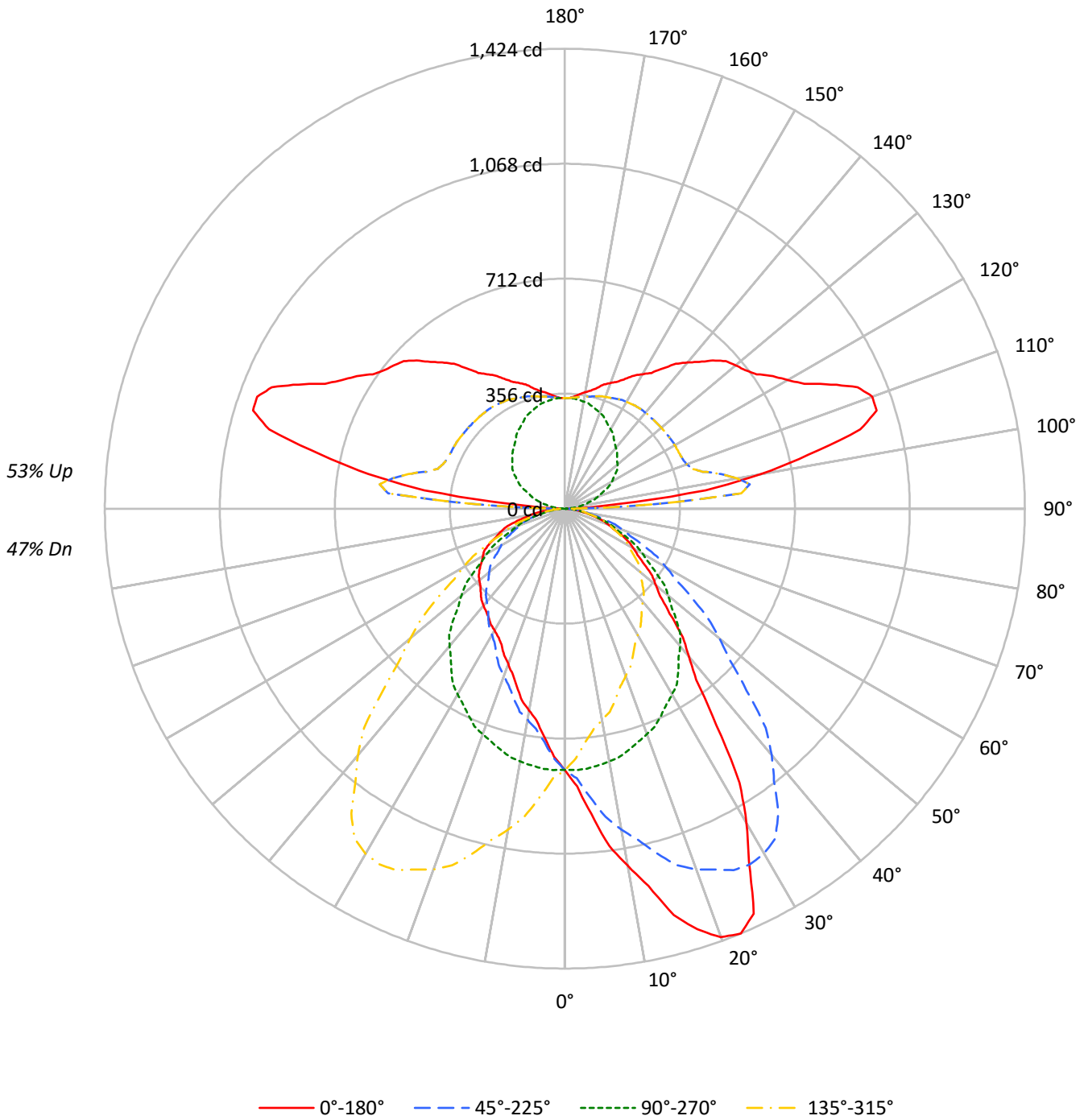
Lumens per Lamp: N/A
Luminaire Lumens: 4725.3 lumens
Efficiency: N/A
Efficacy: 123.1 lumens/watt
Spacing Criteria (0/90/45): 1.31 / 1.23 / 1.41
Luminous Opening: Rectangular (W 4' x L: 0.33' x H: 0')
CIE Type: General Diffuse

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	106	106	106	106	98	98	98	98	82	82	82	67	67	67	54	54	54	47				47
1	97	93	89	86	89	86	83	80	72	70	68	59	58	56	48	47	46				40	
2	89	82	76	71	81	75	70	66	63	60	56	52	50	47	42	40	39				34	
3	81	72	65	59	74	66	60	55	56	51	48	46	43	40	38	35	33				29	
4	74	64	56	50	68	59	52	47	50	45	41	42	38	35	34	31	29				25	
5	68	57	49	43	63	53	46	40	45	39	35	37	33	30	30	28	25				22	
6	63	51	43	37	58	47	40	35	40	35	31	34	30	26	28	25	22				19	
7	58	46	38	33	53	43	36	31	37	31	27	31	27	23	25	22	20				17	
8	54	42	34	29	50	39	32	27	33	28	24	28	24	21	23	20	18				15	
9	50	38	31	26	46	36	29	24	31	25	22	26	22	19	22	18	16				14	
10	47	35	28	23	43	33	26	22	28	23	19	24	20	17	20	17	15				13	

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



TEST NUMBER: P332555-935

CATALOG NUMBER: SA4XXDIP-C575D810U935-4F0-1E-UDD-A4

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	78.8	1.7
10°-20°	242.8	5.1
20°-30°	385.1	8.1
30°-40°	428.5	9.1
40°-50°	390.1	8.3
50°-60°	318.8	6.7
60°-70°	227.6	4.8
70°-80°	125.3	2.7
80°-90°	36.1	0.8
90°-100°	247.5	5.2
100°-110°	515.1	10.9
110°-120°	461.4	9.8
120°-130°	388.1	8.2
130°-140°	323.6	6.8
140°-150°	247.2	5.2
150°-160°	173.8	3.7
160°-170°	102.2	2.2
170°-180°	33.3	0.7
0°-30°	706.7	15.0
0°-40°	1135.2	24.0
0°-60°	1844.1	39.0
0°-90°	2233.1	47.3
90°-120°	1224.0	25.9
90°-150°	2183.0	46.2
90°-180°	2492.0	52.7
0°-180°	4725.3	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°	14	1	14	1	14	12
95°	164	22	164	22	164	255
105°	947	79	947	79	947	937
115°	910	139	910	139	910	903
125°	726	193	726	193	726	659
135°	649	230	649	230	649	501
145°	530	265	530	265	530	336
155°	444	301	444	301	444	207
165°	387	328	387	328	387	111
175°	349	342	349	342	349	34
180°	343	343	343	343	343	



TEST NUMBER: P332555-935

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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°	8.7	9.6	9.6	9.8	10.2	10.5	10.6	10.2	11.1	11.5	12.3
90°	14.1	14.1	14.8	14.1	13.4	13.4	12.8	12.1	11.5	12.1	10.8
92.5°	51.8	51.8	54.2	57.8	65.7	79.2	99.5	132.2	177.9	213.5	186.9
95°	164.3	173.1	185.1	206.0	239.0	304.3	394.5	498.9	564.2	548.7	414.1
97.5°	439.1	453.1	473.3	513.8	562.1	632.4	698.3	737.0	708.8	577.9	387.5
100°	617.3	622.8	642.9	684.0	742.6	792.4	825.4	811.9	713.6	541.3	351.5
102.5°	772.5	776.8	798.1	827.9	863.8	884.5	874.9	808.1	673.2	495.5	327.2
105°	947.3	951.3	960.7	966.1	964.8	937.1	870.5	754.1	599.9	441.6	306.3
107.5°	1012.1	1010.4	1003.7	988.3	955.0	895.0	801.2	677.2	540.6	411.5	302.6
110°	1013.2	1007.2	995.1	966.7	918.9	844.9	747.3	630.9	511.0	401.2	303.6



TEST NUMBER: P332555-935

CATALOG NUMBER: SA4XXDIP-C575D810U935-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	981.5	971.6	954.7	920.4	866.2	792.1	699.9	596.9	494.3	396.4	306.9
115°	909.6	904.1	882.6	842.2	789.0	724.4	645.7	562.8	478.6	393.8	313.1
117.5°	836.7	832.5	810.7	776.8	731.4	676.6	614.7	546.1	471.7	393.1	319.7
120°	795.7	788.3	770.9	741.2	702.8	655.0	601.2	538.6	467.9	393.1	324.5
122.5°	763.4	756.0	741.2	715.9	683.5	641.6	592.5	532.1	463.6	392.6	329.3
125°	725.7	721.7	708.9	689.4	662.5	625.4	579.0	521.1	456.4	391.8	336.7
127.5°	703.7	699.6	688.9	671.5	644.5	609.2	562.9	507.6	446.9	390.4	342.4
130°	690.8	686.7	676.0	659.1	631.5	595.8	550.0	496.9	441.0	389.8	346.7
132.5°	676.2	672.2	661.9	642.9	615.9	580.2	535.5	485.5	435.6	389.3	350.5
135°	649.0	645.0	634.2	615.4	588.4	554.7	513.7	469.9	427.5	388.5	356.1
137.5°	615.4	610.4	601.6	583.0	557.8	527.4	492.8	455.8	420.5	388.3	359.5
140°	591.1	585.7	576.3	561.5	538.0	509.6	479.3	447.7	416.7	387.8	362.2
142.5°	565.2	561.5	553.1	539.4	518.5	494.0	468.0	440.1	413.5	387.8	364.4
145°	529.9	526.5	519.7	508.3	491.5	472.6	452.5	429.6	407.9	386.4	365.6
147.5°	498.4	497.2	492.1	482.3	469.9	455.1	438.9	420.8	403.0	384.0	366.3
150°	480.7	480.0	476.0	467.3	456.4	444.4	430.8	415.3	399.2	382.4	366.3
152.5°	464.5	463.8	461.4	454.3	445.1	435.1	422.8	409.5	394.9	379.7	365.2
155°	443.7	443.7	441.6	436.3	429.6	421.5	411.4	400.5	388.5	375.7	363.5
157.5°	425.3	425.3	424.1	420.1	415.0	408.5	400.0	391.0	381.9	371.5	361.8
160°	414.1	414.1	413.4	409.3	405.3	399.9	392.5	385.1	377.0	368.2	360.2
162.5°	403.3	403.8	403.1	399.1	396.1	391.3	385.5	379.2	372.7	365.1	358.6
165°	387.1	387.8	388.5	385.7	383.1	379.7	375.0	370.9	365.6	360.2	355.5
167.5°	374.3	374.9	375.0	373.2	371.9	369.9	366.1	363.0	359.1	355.3	352.2
170°	366.3	366.3	366.9	366.3	364.9	362.9	360.2	358.2	354.8	352.1	350.1
172.5°	358.2	359.2	359.9	359.2	358.4	357.0	355.3	353.9	351.0	348.9	347.9
175°	348.7	350.1	351.5	350.1	350.1	350.1	348.7	348.1	346.7	345.3	345.3
177.5°	343.2	344.3	345.3	344.8	345.3	344.8	344.8	344.3	343.7	343.2	343.2
180°	342.7	342.7	342.7	342.7	342.7	342.7	342.7	342.7	342.7	342.7	342.7



TEST NUMBER: P332555-935

CATALOG NUMBER: SA4XXDIP-C575D810U935-4F0-1E-UDD-A4

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°	12.1	12.3	11.3	10.2	9.2	8.4	7.7	7.1	7.7	8.4	8.7
90°	9.4	9.4	5.4	5.4	4.7	4.0	2.0	0.7	2.0	4.0	4.7
92.5°	136.0	83.8	49.5	35.6	25.7	17.5	11.2	7.7	11.2	17.5	25.7
95°	253.1	142.8	84.1	55.9	39.7	31.0	24.2	22.2	24.2	31.0	39.7
97.5°	227.6	136.4	91.3	67.6	53.7	45.6	39.9	39.9	39.9	45.6	53.7
100°	214.1	138.0	98.3	76.7	64.0	55.9	51.1	51.1	51.1	55.9	64.0
102.5°	210.3	143.4	107.5	87.0	74.7	67.2	63.0	61.9	63.0	67.2	74.7
105°	212.1	156.2	123.9	104.4	92.2	84.1	80.8	78.8	80.8	84.1	92.2
107.5°	222.1	171.2	141.5	122.3	110.6	102.0	98.7	97.4	98.7	102.0	110.6
110°	229.5	182.4	152.8	134.7	122.5	114.4	111.1	109.8	111.1	114.4	122.5



TEST NUMBER: P332555-935

CATALOG NUMBER: SA4XXDIP-C575D810U935-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	237.6	193.2	164.7	146.5	134.4	126.8	123.0	121.6	123.0	126.8	134.4
115°	250.5	210.1	183.1	165.0	152.1	145.4	140.7	138.7	140.7	145.4	152.1
117.5°	263.5	226.4	200.8	181.9	170.0	162.6	158.3	156.4	158.3	162.6	170.0
120°	272.7	237.6	212.1	193.2	181.8	174.4	169.6	168.3	169.6	174.4	181.8
122.5°	281.3	248.4	222.8	204.5	192.0	185.1	180.5	179.1	180.5	185.1	192.0
125°	294.2	263.2	239.0	220.2	207.3	199.9	195.9	193.2	195.9	199.9	207.3
127.5°	305.4	277.0	253.6	234.5	221.2	212.8	207.9	205.8	207.9	212.8	221.2
130°	312.4	286.1	263.2	243.7	230.9	220.8	215.4	212.8	215.4	220.8	230.9
132.5°	319.3	293.7	270.8	252.4	238.5	228.9	221.9	219.7	221.9	228.9	238.5
135°	328.6	304.3	282.1	264.6	250.5	239.0	232.3	229.5	232.3	239.0	250.5
137.5°	335.0	312.4	291.6	274.9	260.3	249.3	241.9	239.4	241.9	249.3	260.3
140°	339.3	317.8	297.6	281.4	267.3	255.8	248.4	246.4	248.4	255.8	267.3
142.5°	342.5	322.6	303.0	287.3	273.7	262.9	256.0	253.9	256.0	262.9	273.7
145°	346.0	327.9	310.4	295.6	282.8	273.4	266.6	264.6	266.6	273.4	282.8
147.5°	349.1	333.3	316.8	303.5	292.8	283.2	277.2	276.6	277.2	283.2	292.8
150°	350.8	336.0	321.2	308.3	298.3	290.2	284.8	284.1	284.8	290.2	298.3
152.5°	351.8	338.1	324.9	313.2	304.2	296.6	291.3	291.1	291.3	296.6	304.2
155°	352.8	341.3	329.8	319.8	312.4	305.7	301.6	300.9	301.6	305.7	312.4
157.5°	352.8	343.6	333.9	326.0	319.5	314.3	310.5	310.5	310.5	314.3	319.5
160°	352.8	344.7	336.7	329.2	323.8	319.1	316.4	316.4	316.4	319.1	323.8
162.5°	352.8	345.8	338.2	332.4	327.6	323.4	321.2	321.8	321.2	323.4	327.6
165°	351.5	346.0	340.0	336.0	332.6	329.2	327.9	327.9	327.9	329.2	332.6
167.5°	349.8	345.9	341.5	338.4	336.5	333.9	333.3	333.9	333.3	333.9	336.5
170°	348.7	345.3	342.0	340.0	338.6	336.7	336.0	336.7	336.0	336.7	338.6
172.5°	347.7	344.8	342.5	341.0	340.3	338.8	338.6	339.3	338.6	338.8	340.3
175°	346.0	344.1	342.7	342.7	342.0	341.3	341.3	342.0	341.3	341.3	342.0
177.5°	344.3	343.2	342.7	342.7	342.7	342.2	342.7	343.2	342.7	342.2	342.7
180°	342.7	342.7	342.7	342.7	342.7	342.7	342.7	342.7	342.7	342.7	342.7



TEST NUMBER: P332555-935

CATALOG NUMBER: SA4XXDIP-C575D810U935-4F0-1E-UDD-A4

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°	9.6	9.6	11.5	12.1	13.2	14.7	15.2	18.3	19.5	20.9	23.3
90°	5.4	5.4	9.4	9.4	10.8	12.1	11.5	12.1	12.8	13.4	13.4
92.5°	35.6	49.5	83.8	136.0	186.9	213.5	177.9	132.2	99.5	79.2	65.7
95°	55.9	84.1	142.8	253.1	414.1	548.7	564.2	498.9	394.5	304.3	239.0
97.5°	67.6	91.3	136.4	227.6	387.5	577.9	708.8	737.0	698.3	632.4	562.1
100°	76.7	98.3	138.0	214.1	351.5	541.3	713.6	811.9	825.4	792.4	742.6
102.5°	87.0	107.5	143.4	210.3	327.2	495.5	673.2	808.1	874.9	884.5	863.8
105°	104.4	123.9	156.2	212.1	306.3	441.6	599.9	754.1	870.5	937.1	964.8
107.5°	122.3	141.5	171.2	222.1	302.6	411.5	540.6	677.2	801.2	895.0	955.0
110°	134.7	152.8	182.4	229.5	303.6	401.2	511.0	630.9	747.3	844.9	918.9



TEST NUMBER: P332555-935

CATALOG NUMBER: SA4XXDIP-C575D810U935-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	146.5	164.7	193.2	237.6	306.9	396.4	494.3	596.9	699.9	792.1	866.2
115°	165.0	183.1	210.1	250.5	313.1	393.8	478.6	562.8	645.7	724.4	789.0
117.5°	181.9	200.8	226.4	263.5	319.7	393.1	471.7	546.1	614.7	676.6	731.4
120°	193.2	212.1	237.6	272.7	324.5	393.1	467.9	538.6	601.2	655.0	702.8
122.5°	204.5	222.8	248.4	281.3	329.3	392.6	463.6	532.1	592.5	641.6	683.5
125°	220.2	239.0	263.2	294.2	336.7	391.8	456.4	521.1	579.0	625.4	662.5
127.5°	234.5	253.6	277.0	305.4	342.4	390.4	446.9	507.6	562.9	609.2	644.5
130°	243.7	263.2	286.1	312.4	346.7	389.8	441.0	496.9	550.0	595.8	631.5
132.5°	252.4	270.8	293.7	319.3	350.5	389.3	435.6	485.5	535.5	580.2	615.9
135°	264.6	282.1	304.3	328.6	356.1	388.5	427.5	469.9	513.7	554.7	588.4
137.5°	274.9	291.6	312.4	335.0	359.5	388.3	420.5	455.8	492.8	527.4	557.8
140°	281.4	297.6	317.8	339.3	362.2	387.8	416.7	447.7	479.3	509.6	538.0
142.5°	287.3	303.0	322.6	342.5	364.4	387.8	413.5	440.1	468.0	494.0	518.5
145°	295.6	310.4	327.9	346.0	365.6	386.4	407.9	429.6	452.5	472.6	491.5
147.5°	303.5	316.8	333.3	349.1	366.3	384.0	403.0	420.8	438.9	455.1	469.9
150°	308.3	321.2	336.0	350.8	366.3	382.4	399.2	415.3	430.8	444.4	456.4
152.5°	313.2	324.9	338.1	351.8	365.2	379.7	394.9	409.5	422.8	435.1	445.1
155°	319.8	329.8	341.3	352.8	363.5	375.7	388.5	400.5	411.4	421.5	429.6
157.5°	326.0	333.9	343.6	352.8	361.8	371.5	381.9	391.0	400.0	408.5	415.0
160°	329.2	336.7	344.7	352.8	360.2	368.2	377.0	385.1	392.5	399.9	405.3
162.5°	332.4	338.2	345.8	352.8	358.6	365.1	372.7	379.2	385.5	391.3	396.1
165°	336.0	340.0	346.0	351.5	355.5	360.2	365.6	370.9	375.0	379.7	383.1
167.5°	338.4	341.5	345.9	349.8	352.2	355.3	359.1	363.0	366.1	369.9	371.9
170°	340.0	342.0	345.3	348.7	350.1	352.1	354.8	358.2	360.2	362.9	364.9
172.5°	341.0	342.5	344.8	347.7	347.9	348.9	351.0	353.9	355.3	357.0	358.4
175°	342.7	342.7	344.1	346.0	345.3	345.3	346.7	348.1	348.7	350.1	350.1
177.5°	342.7	342.7	343.2	344.3	343.2	343.2	343.7	344.3	344.8	344.8	345.3
180°	342.7	342.7	342.7	342.7	342.7	342.7	342.7	342.7	342.7	342.7	342.7



TEST NUMBER: P332555-935

CATALOG NUMBER: SA4XXDIP-C575D810U935-4F0-1E-UDD-A4

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°	24.3	24.7	25.3	25.9	25.3	24.7	24.3	23.3	20.9	19.5	18.3
90°	14.1	14.8	14.1	14.1	14.1	14.8	14.1	13.4	13.4	12.8	12.1
92.5°	57.8	54.2	51.8	51.8	51.8	54.2	57.8	65.7	79.2	99.5	132.2
95°	206.0	185.1	173.1	164.3	173.1	185.1	206.0	239.0	304.3	394.5	498.9
97.5°	513.8	473.3	453.1	439.1	453.1	473.3	513.8	562.1	632.4	698.3	737.0
100°	684.0	642.9	622.8	617.3	622.8	642.9	684.0	742.6	792.4	825.4	811.9
102.5°	827.9	798.1	776.8	772.5	776.8	798.1	827.9	863.8	884.5	874.9	808.1
105°	966.1	960.7	951.3	947.3	951.3	960.7	966.1	964.8	937.1	870.5	754.1
107.5°	988.3	1003.7	1010.4	1012.1	1010.4	1003.7	988.3	955.0	895.0	801.2	677.2
110°	966.7	995.1	1007.2	1013.2	1007.2	995.1	966.7	918.9	844.9	747.3	630.9



TEST NUMBER: P332555-935

CATALOG NUMBER: SA4XXDIP-C575D810U935-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	920.4	954.7	971.6	981.5	971.6	954.7	920.4	866.2	792.1	699.9	596.9
115°	842.2	882.6	904.1	909.6	904.1	882.6	842.2	789.0	724.4	645.7	562.8
117.5°	776.8	810.7	832.5	836.7	832.5	810.7	776.8	731.4	676.6	614.7	546.1
120°	741.2	770.9	788.3	795.7	788.3	770.9	741.2	702.8	655.0	601.2	538.6
122.5°	715.9	741.2	756.0	763.4	756.0	741.2	715.9	683.5	641.6	592.5	532.1
125°	689.4	708.9	721.7	725.7	721.7	708.9	689.4	662.5	625.4	579.0	521.1
127.5°	671.5	688.9	699.6	703.7	699.6	688.9	671.5	644.5	609.2	562.9	507.6
130°	659.1	676.0	686.7	690.8	686.7	676.0	659.1	631.5	595.8	550.0	496.9
132.5°	642.9	661.9	672.2	676.2	672.2	661.9	642.9	615.9	580.2	535.5	485.5
135°	615.4	634.2	645.0	649.0	645.0	634.2	615.4	588.4	554.7	513.7	469.9
137.5°	583.0	601.6	610.4	615.4	610.4	601.6	583.0	557.8	527.4	492.8	455.8
140°	561.5	576.3	585.7	591.1	585.7	576.3	561.5	538.0	509.6	479.3	447.7
142.5°	539.4	553.1	561.5	565.2	561.5	553.1	539.4	518.5	494.0	468.0	440.1
145°	508.3	519.7	526.5	529.9	526.5	519.7	508.3	491.5	472.6	452.5	429.6
147.5°	482.3	492.1	497.2	498.4	497.2	492.1	482.3	469.9	455.1	438.9	420.8
150°	467.3	476.0	480.0	480.7	480.0	476.0	467.3	456.4	444.4	430.8	415.3
152.5°	454.3	461.4	463.8	464.5	463.8	461.4	454.3	445.1	435.1	422.8	409.5
155°	436.3	441.6	443.7	443.7	443.7	441.6	436.3	429.6	421.5	411.4	400.5
157.5°	420.1	424.1	425.3	425.3	425.3	424.1	420.1	415.0	408.5	400.0	391.0
160°	409.3	413.4	414.1	414.1	414.1	413.4	409.3	405.3	399.9	392.5	385.1
162.5°	399.1	403.1	403.8	403.3	403.8	403.1	399.1	396.1	391.3	385.5	379.2
165°	385.7	388.5	387.8	387.1	387.8	388.5	385.7	383.1	379.7	375.0	370.9
167.5°	373.2	375.0	374.9	374.3	374.9	375.0	373.2	371.9	369.9	366.1	363.0
170°	366.3	366.9	366.3	366.3	366.3	366.9	366.3	364.9	362.9	360.2	358.2
172.5°	359.2	359.9	359.2	358.2	359.2	359.9	359.2	358.4	357.0	355.3	353.9
175°	350.1	351.5	350.1	348.7	350.1	351.5	350.1	350.1	350.1	348.7	348.1
177.5°	344.8	345.3	344.3	343.2	344.3	345.3	344.8	345.3	344.8	344.8	344.3
180°	342.7	342.7	342.7	342.7	342.7	342.7	342.7	342.7	342.7	342.7	342.7



TEST NUMBER: P332555-935

CATALOG NUMBER: SA4XXDIP-C575D810U935-4F0-1E-UDD-A4

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°	15.2	14.7	13.2	12.1	11.5	9.6	9.6	8.7	8.4	7.7	7.1
90°	11.5	12.1	10.8	9.4	9.4	5.4	5.4	4.7	4.0	2.0	0.7
92.5°	177.9	213.5	186.9	136.0	83.8	49.5	35.6	25.7	17.5	11.2	7.7
95°	564.2	548.7	414.1	253.1	142.8	84.1	55.9	39.7	31.0	24.2	22.2
97.5°	708.8	577.9	387.5	227.6	136.4	91.3	67.6	53.7	45.6	39.9	39.9
100°	713.6	541.3	351.5	214.1	138.0	98.3	76.7	64.0	55.9	51.1	51.1
102.5°	673.2	495.5	327.2	210.3	143.4	107.5	87.0	74.7	67.2	63.0	61.9
105°	599.9	441.6	306.3	212.1	156.2	123.9	104.4	92.2	84.1	80.8	78.8
107.5°	540.6	411.5	302.6	222.1	171.2	141.5	122.3	110.6	102.0	98.7	97.4
110°	511.0	401.2	303.6	229.5	182.4	152.8	134.7	122.5	114.4	111.1	109.8



TEST NUMBER: P332555-935

CATALOG NUMBER: SA4XXDIP-C575D810U935-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	494.3	396.4	306.9	237.6	193.2	164.7	146.5	134.4	126.8	123.0	121.6
115°	478.6	393.8	313.1	250.5	210.1	183.1	165.0	152.1	145.4	140.7	138.7
117.5°	471.7	393.1	319.7	263.5	226.4	200.8	181.9	170.0	162.6	158.3	156.4
120°	467.9	393.1	324.5	272.7	237.6	212.1	193.2	181.8	174.4	169.6	168.3
122.5°	463.6	392.6	329.3	281.3	248.4	222.8	204.5	192.0	185.1	180.5	179.1
125°	456.4	391.8	336.7	294.2	263.2	239.0	220.2	207.3	199.9	195.9	193.2
127.5°	446.9	390.4	342.4	305.4	277.0	253.6	234.5	221.2	212.8	207.9	205.8
130°	441.0	389.8	346.7	312.4	286.1	263.2	243.7	230.9	220.8	215.4	212.8
132.5°	435.6	389.3	350.5	319.3	293.7	270.8	252.4	238.5	228.9	221.9	219.7
135°	427.5	388.5	356.1	328.6	304.3	282.1	264.6	250.5	239.0	232.3	229.5
137.5°	420.5	388.3	359.5	335.0	312.4	291.6	274.9	260.3	249.3	241.9	239.4
140°	416.7	387.8	362.2	339.3	317.8	297.6	281.4	267.3	255.8	248.4	246.4
142.5°	413.5	387.8	364.4	342.5	322.6	303.0	287.3	273.7	262.9	256.0	253.9
145°	407.9	386.4	365.6	346.0	327.9	310.4	295.6	282.8	273.4	266.6	264.6
147.5°	403.0	384.0	366.3	349.1	333.3	316.8	303.5	292.8	283.2	277.2	276.6
150°	399.2	382.4	366.3	350.8	336.0	321.2	308.3	298.3	290.2	284.8	284.1
152.5°	394.9	379.7	365.2	351.8	338.1	324.9	313.2	304.2	296.6	291.3	291.1
155°	388.5	375.7	363.5	352.8	341.3	329.8	319.8	312.4	305.7	301.6	300.9
157.5°	381.9	371.5	361.8	352.8	343.6	333.9	326.0	319.5	314.3	310.5	310.5
160°	377.0	368.2	360.2	352.8	344.7	336.7	329.2	323.8	319.1	316.4	316.4
162.5°	372.7	365.1	358.6	352.8	345.8	338.2	332.4	327.6	323.4	321.2	321.8
165°	365.6	360.2	355.5	351.5	346.0	340.0	336.0	332.6	329.2	327.9	327.9
167.5°	359.1	355.3	352.2	349.8	345.9	341.5	338.4	336.5	333.9	333.3	333.9
170°	354.8	352.1	350.1	348.7	345.3	342.0	340.0	338.6	336.7	336.0	336.7
172.5°	351.0	348.9	347.9	347.7	344.8	342.5	341.0	340.3	338.8	338.6	339.3
175°	346.7	345.3	345.3	346.0	344.1	342.7	342.7	342.0	341.3	341.3	342.0
177.5°	343.7	343.2	343.2	344.3	343.2	342.7	342.7	342.7	342.2	342.7	343.2
180°	342.7	342.7	342.7	342.7	342.7	342.7	342.7	342.7	342.7	342.7	342.7



TEST NUMBER: P332555-935
 CATALOG NUMBER: SA4XXDIP-C575D810U935-4F0-1E-UDD-A4

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°	7.7	8.4	9.2	10.2	11.3	12.3	12.1	12.3	11.5	11.1	10.2
90°	2.0	4.0	4.7	5.4	5.4	9.4	9.4	10.8	12.1	11.5	12.1
92.5°	11.2	17.5	25.7	35.6	49.5	83.8	136.0	186.9	213.5	177.9	132.2
95°	24.2	31.0	39.7	55.9	84.1	142.8	253.1	414.1	548.7	564.2	498.9
97.5°	39.9	45.6	53.7	67.6	91.3	136.4	227.6	387.5	577.9	708.8	737.0
100°	51.1	55.9	64.0	76.7	98.3	138.0	214.1	351.5	541.3	713.6	811.9
102.5°	63.0	67.2	74.7	87.0	107.5	143.4	210.3	327.2	495.5	673.2	808.1
105°	80.8	84.1	92.2	104.4	123.9	156.2	212.1	306.3	441.6	599.9	754.1
107.5°	98.7	102.0	110.6	122.3	141.5	171.2	222.1	302.6	411.5	540.6	677.2
110°	111.1	114.4	122.5	134.7	152.8	182.4	229.5	303.6	401.2	511.0	630.9



TEST NUMBER: P332555-935

CATALOG NUMBER: SA4XXDIP-C575D810U935-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	123.0	126.8	134.4	146.5	164.7	193.2	237.6	306.9	396.4	494.3	596.9
115°	140.7	145.4	152.1	165.0	183.1	210.1	250.5	313.1	393.8	478.6	562.8
117.5°	158.3	162.6	170.0	181.9	200.8	226.4	263.5	319.7	393.1	471.7	546.1
120°	169.6	174.4	181.8	193.2	212.1	237.6	272.7	324.5	393.1	467.9	538.6
122.5°	180.5	185.1	192.0	204.5	222.8	248.4	281.3	329.3	392.6	463.6	532.1
125°	195.9	199.9	207.3	220.2	239.0	263.2	294.2	336.7	391.8	456.4	521.1
127.5°	207.9	212.8	221.2	234.5	253.6	277.0	305.4	342.4	390.4	446.9	507.6
130°	215.4	220.8	230.9	243.7	263.2	286.1	312.4	346.7	389.8	441.0	496.9
132.5°	221.9	228.9	238.5	252.4	270.8	293.7	319.3	350.5	389.3	435.6	485.5
135°	232.3	239.0	250.5	264.6	282.1	304.3	328.6	356.1	388.5	427.5	469.9
137.5°	241.9	249.3	260.3	274.9	291.6	312.4	335.0	359.5	388.3	420.5	455.8
140°	248.4	255.8	267.3	281.4	297.6	317.8	339.3	362.2	387.8	416.7	447.7
142.5°	256.0	262.9	273.7	287.3	303.0	322.6	342.5	364.4	387.8	413.5	440.1
145°	266.6	273.4	282.8	295.6	310.4	327.9	346.0	365.6	386.4	407.9	429.6
147.5°	277.2	283.2	292.8	303.5	316.8	333.3	349.1	366.3	384.0	403.0	420.8
150°	284.8	290.2	298.3	308.3	321.2	336.0	350.8	366.3	382.4	399.2	415.3
152.5°	291.3	296.6	304.2	313.2	324.9	338.1	351.8	365.2	379.7	394.9	409.5
155°	301.6	305.7	312.4	319.8	329.8	341.3	352.8	363.5	375.7	388.5	400.5
157.5°	310.5	314.3	319.5	326.0	333.9	343.6	352.8	361.8	371.5	381.9	391.0
160°	316.4	319.1	323.8	329.2	336.7	344.7	352.8	360.2	368.2	377.0	385.1
162.5°	321.2	323.4	327.6	332.4	338.2	345.8	352.8	358.6	365.1	372.7	379.2
165°	327.9	329.2	332.6	336.0	340.0	346.0	351.5	355.5	360.2	365.6	370.9
167.5°	333.3	333.9	336.5	338.4	341.5	345.9	349.8	352.2	355.3	359.1	363.0
170°	336.0	336.7	338.6	340.0	342.0	345.3	348.7	350.1	352.1	354.8	358.2
172.5°	338.6	338.8	340.3	341.0	342.5	344.8	347.7	347.9	348.9	351.0	353.9
175°	341.3	341.3	342.0	342.7	342.7	344.1	346.0	345.3	345.3	346.7	348.1
177.5°	342.7	342.2	342.7	342.7	342.7	343.2	344.3	343.2	343.2	343.7	344.3
180°	342.7	342.7	342.7	342.7	342.7	342.7	342.7	342.7	342.7	342.7	342.7



TEST NUMBER: P332555-935

CATALOG NUMBER: SA4XXDIP-C575D810U935-4F0-1E-UDD-A4

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°	10.6	10.5	10.2	9.8	9.6	9.6	8.7
90°	12.8	13.4	13.4	14.1	14.8	14.1	14.1
92.5°	99.5	79.2	65.7	57.8	54.2	51.8	51.8
95°	394.5	304.3	239.0	206.0	185.1	173.1	164.3
97.5°	698.3	632.4	562.1	513.8	473.3	453.1	439.1
100°	825.4	792.4	742.6	684.0	642.9	622.8	617.3
102.5°	874.9	884.5	863.8	827.9	798.1	776.8	772.5
105°	870.5	937.1	964.8	966.1	960.7	951.3	947.3
107.5°	801.2	895.0	955.0	988.3	1003.7	1010.4	1012.1
110°	747.3	844.9	918.9	966.7	995.1	1007.2	1013.2



TEST NUMBER: P332555-935

CATALOG NUMBER: SA4XXDIP-C575D810U935-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
112.5°	699.9	792.1	866.2	920.4	954.7	971.6	981.5
115°	645.7	724.4	789.0	842.2	882.6	904.1	909.6
117.5°	614.7	676.6	731.4	776.8	810.7	832.5	836.7
120°	601.2	655.0	702.8	741.2	770.9	788.3	795.7
122.5°	592.5	641.6	683.5	715.9	741.2	756.0	763.4
125°	579.0	625.4	662.5	689.4	708.9	721.7	725.7
127.5°	562.9	609.2	644.5	671.5	688.9	699.6	703.7
130°	550.0	595.8	631.5	659.1	676.0	686.7	690.8
132.5°	535.5	580.2	615.9	642.9	661.9	672.2	676.2
135°	513.7	554.7	588.4	615.4	634.2	645.0	649.0
137.5°	492.8	527.4	557.8	583.0	601.6	610.4	615.4
140°	479.3	509.6	538.0	561.5	576.3	585.7	591.1
142.5°	468.0	494.0	518.5	539.4	553.1	561.5	565.2
145°	452.5	472.6	491.5	508.3	519.7	526.5	529.9
147.5°	438.9	455.1	469.9	482.3	492.1	497.2	498.4
150°	430.8	444.4	456.4	467.3	476.0	480.0	480.7
152.5°	422.8	435.1	445.1	454.3	461.4	463.8	464.5
155°	411.4	421.5	429.6	436.3	441.6	443.7	443.7
157.5°	400.0	408.5	415.0	420.1	424.1	425.3	425.3
160°	392.5	399.9	405.3	409.3	413.4	414.1	414.1
162.5°	385.5	391.3	396.1	399.1	403.1	403.8	403.3
165°	375.0	379.7	383.1	385.7	388.5	387.8	387.1
167.5°	366.1	369.9	371.9	373.2	375.0	374.9	374.3
170°	360.2	362.9	364.9	366.3	366.9	366.3	366.3
172.5°	355.3	357.0	358.4	359.2	359.9	359.2	358.2
175°	348.7	350.1	350.1	350.1	351.5	350.1	348.7
177.5°	344.8	344.8	345.3	344.8	345.3	344.3	343.2
180°	342.7	342.7	342.7	342.7	342.7	342.7	342.7

(END OF REPORT)