

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: P332537-940

Luminaire Tested: **SA4XXDIP-C575D365U940-4F0-1E-UDD-A4**

Issue Date: 10/7/2019

Test Information

Test Method: LM-79-08
Report Number: P332537-940
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-C575D365U940-4F0-1E-UDD-A4
Description: DEFINE 4 DIRECT-INDIRECT PENDANT LED LUMINAIRE
DOWNLIGHT 575 LUMENS PER FOOT, ASYMMETRIC DIFFUSER
UPLIGHT 365 LUMENS PER FOOT, BATWING OPTIC
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

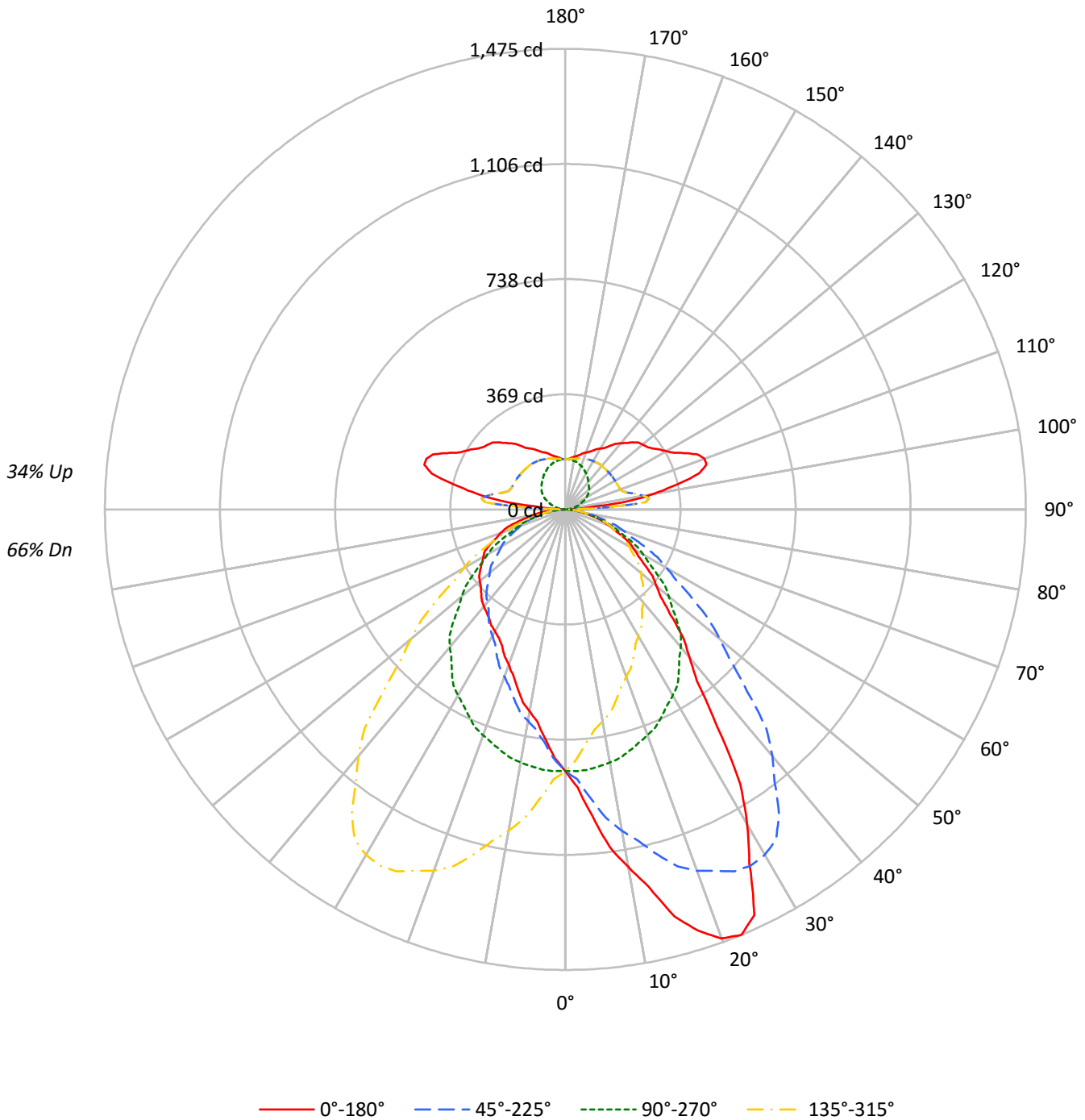
Lumens per Lamp: N/A
Luminaire Lumens: 3478.3 lumens
Efficiency: N/A
Efficacy: 126.5 lumens/watt
Spacing Criteria (0/90/45): 1.31 / 1.23 / 1.41
Luminous Opening: Rectangular (W 4' x L: 0.33' x H: 0')
CIE Type: Semi-Direct

Input Watts (W): 27.5
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



TEST NUMBER: P332537-940
CATALOG NUMBER: SA4XXDIP-C575D365U940-4F0-1E-UDD-A4

Luminous Intensity Polar Plot





TEST NUMBER: P332537-940

CATALOG NUMBER: SA4XXDIP-C575D365U940-4F0-1E-UDD-A4

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	111	111	111	111	105	105	105	105	92	92	92	81	81	81	71	71	71	66				
1	102	97	94	90	96	92	89	85	82	79	77	72	70	68	63	62	61	57				
2	93	85	79	74	87	81	75	71	72	68	64	64	61	58	56	54	52	48				
3	85	75	68	62	80	71	65	59	64	59	54	57	53	49	50	47	44	41				
4	78	67	59	53	73	64	56	51	57	51	47	51	46	42	45	41	38	35				
5	72	60	52	46	67	57	49	44	51	45	40	46	41	37	41	37	34	31				
6	66	54	46	40	62	51	44	38	46	40	35	41	36	33	37	33	30	27				
7	61	49	41	35	58	47	39	34	42	36	31	38	33	29	34	30	27	24				
8	57	45	37	31	54	42	35	30	38	32	28	35	30	26	31	27	24	22				
9	53	41	33	28	50	39	32	27	35	29	25	32	27	23	29	25	22	20				
10	50	38	30	25	47	36	29	24	33	27	23	30	25	21	27	23	20	18				

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	6761	6761	6761	6761
5°	7963	6779	5983	6779
10°	9534	6749	5387	6749
15°	11280	6680	4947	6680
20°	12560	6611	4554	6611
25°	12764	6509	4284	6509
30°	10860	6411	4198	6411
35°	8349	6250	4199	6250
40°	6509	6062	4278	6062
45°	5426	5779	4349	5779
50°	4775	5434	4496	5434
55°	4376	5020	4677	5020
60°	4101	4648	4897	4648
65°	3817	4235	5075	4235
70°	3489	3824	5193	3824
75°	3119	3366	5128	3366
80°	2613	2757	4965	2757
85°	1927	1991	4761	1991



TEST NUMBER: P332537-940

CATALOG NUMBER: SA4XXDIP-C575D365U940-4F0-1E-UDD-A4

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	81.6	2.3
10°-20°	251.5	7.2
20°-30°	398.8	11.5
30°-40°	443.8	12.8
40°-50°	404.0	11.6
50°-60°	330.1	9.5
60°-70°	235.7	6.8
70°-80°	129.8	3.7
80°-90°	36.3	1.0
90°-100°	115.9	3.3
100°-110°	241.1	6.9
110°-120°	216.0	6.2
120°-130°	181.7	5.2
130°-140°	151.5	4.4
140°-150°	115.7	3.3
150°-160°	81.3	2.3
160°-170°	47.8	1.4
170°-180°	15.6	0.4
0°-30°	731.9	21.0
0°-40°	1175.7	33.8
0°-60°	1909.9	54.9
0°-90°	2311.7	66.5
90°-120°	573.0	16.5
90°-150°	1021.9	29.4
90°-180°	1167.0	33.6
0°-180°	3478.3	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	838	838	838	838	838	
5°	983	836	738	836	983	100
15°	1350	799	592	799	1350	381
25°	1433	731	481	731	1433	632
35°	847	634	426	634	847	538
45°	475	506	381	506	475	374
55°	311	357	332	357	311	281
65°	200	222	266	222	200	198
75°	100	108	164	108	100	106
85°	21	22	51	22	21	25
90°	7	0	7	0	7	6
95°	77	10	77	10	77	119
105°	443	37	443	37	443	438
115°	426	65	426	65	426	423
125°	340	90	340	90	340	309
135°	304	108	304	108	304	234
145°	248	124	248	124	248	157
155°	208	141	208	141	208	97
165°	181	154	181	154	181	52
175°	163	160	163	160	163	16
180°	160	160	160	160	160	



TEST NUMBER: P332537-940

CATALOG NUMBER: SA4XXDIP-C575D365U940-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	837.5	837.5	837.5	837.5	837.5	837.5	837.5	837.5	837.5	837.5	837.5
2.5°	891.4	891.1	888.3	887.8	885.8	883.3	882.8	878.3	869.4	865.3	864.2
5°	982.6	989.5	980.4	978.7	977.7	966.3	960.4	953.4	937.5	928.1	920.8
7.5°	1091.4	1092.2	1088.2	1085.0	1076.2	1066.2	1051.2	1035.3	1016.3	996.5	981.6
10°	1163.0	1165.7	1161.3	1160.6	1142.8	1131.8	1109.6	1090.8	1069.3	1045.4	1023.5
12.5°	1238.5	1234.6	1232.3	1217.5	1214.2	1193.9	1168.1	1148.8	1115.6	1088.1	1059.0
15°	1349.6	1342.0	1337.1	1316.7	1306.6	1278.5	1251.1	1229.9	1186.6	1145.3	1114.0
17.5°	1414.9	1422.5	1411.2	1402.8	1376.8	1357.1	1329.1	1284.7	1250.7	1199.4	1160.0
20°	1462.0	1462.8	1456.5	1447.8	1427.4	1402.4	1371.8	1323.3	1282.6	1231.6	1177.5
22.5°	1474.8	1475.0	1472.3	1464.2	1448.7	1428.4	1397.7	1357.1	1308.0	1252.5	1198.4
25°	1432.9	1431.6	1434.7	1443.7	1437.8	1431.6	1413.8	1383.7	1337.8	1279.2	1220.9
27.5°	1277.2	1286.7	1304.4	1326.6	1348.0	1364.2	1368.9	1362.7	1334.3	1286.0	1225.0
30°	1165.0	1176.9	1190.0	1212.3	1255.3	1279.9	1307.0	1327.4	1316.0	1277.5	1220.6
32.5°	1041.8	1044.7	1064.3	1089.6	1129.0	1176.3	1219.2	1260.8	1274.6	1254.5	1206.9
35°	847.2	852.1	873.3	898.2	946.5	1004.4	1069.0	1126.5	1174.1	1193.2	1168.9
37.5°	691.4	705.3	720.2	747.1	789.6	841.8	908.8	983.3	1054.2	1101.6	1109.6
40°	617.6	626.2	637.0	657.5	693.6	744.9	802.5	887.9	963.1	1031.2	1053.4
42.5°	559.3	564.4	571.0	589.4	617.0	668.0	720.6	795.7	871.3	952.6	989.8
45°	475.3	480.5	491.6	502.4	523.2	558.6	607.5	669.2	745.2	823.7	892.3
47.5°	414.6	418.0	424.6	436.1	453.8	477.2	516.9	568.5	638.9	715.1	788.3
50°	380.2	383.0	388.3	398.7	412.1	433.0	465.6	513.8	569.0	645.7	717.5
52.5°	353.0	354.2	358.0	365.1	375.9	393.3	420.1	459.9	511.3	579.6	651.1
55°	310.9	312.3	315.8	320.9	330.3	341.4	361.9	391.7	436.5	495.8	557.9
57.5°	276.2	277.1	280.1	282.0	289.8	298.8	314.5	335.8	369.8	420.1	475.5
60°	254.0	253.2	256.7	258.5	263.7	271.3	283.5	303.9	333.4	374.0	425.0
62.5°	232.3	231.3	234.3	236.6	239.5	246.0	256.0	272.0	296.0	332.7	376.7
65°	199.8	198.5	200.2	203.0	205.7	209.2	216.5	230.7	249.8	276.2	309.8
67.5°	167.2	168.7	169.0	170.3	171.9	176.6	181.6	191.7	205.2	226.3	254.8
70°	147.8	148.1	149.5	149.5	150.6	154.7	158.9	164.8	178.0	197.4	220.7
72.5°	128.4	129.8	129.3	130.4	131.2	133.9	137.0	142.6	153.8	168.3	187.9
75°	100.0	100.9	100.9	101.3	102.4	103.3	105.8	109.9	118.0	128.7	142.2
77.5°	72.9	73.0	73.5	74.7	74.7	76.4	78.2	81.5	85.5	92.8	101.1
80°	56.2	56.9	56.5	57.2	57.2	58.7	59.3	63.5	65.2	70.1	76.7
82.5°	41.2	41.9	41.8	42.8	43.3	43.6	44.6	46.3	48.0	52.3	55.0
85°	20.8	21.5	20.8	21.5	22.6	22.9	23.9	24.3	25.7	26.8	29.2
87.5°	7.4	8.3	8.3	8.6	9.0	9.3	9.5	9.2	10.3	10.6	11.6
90°	6.6	6.6	7.0	6.6	6.3	6.3	6.0	5.7	5.4	5.7	5.1
92.5°	24.3	24.3	25.3	27.0	30.8	37.1	46.5	61.9	83.3	100.0	87.5
95°	76.9	81.0	86.7	96.4	111.9	142.4	184.7	233.5	264.1	256.8	193.9
97.5°	205.5	212.1	221.6	240.5	263.1	296.0	326.9	345.0	331.8	270.5	181.4
100°	289.0	291.5	301.0	320.2	347.6	371.0	386.4	380.0	334.0	253.4	164.5
102.5°	361.6	363.6	373.6	387.5	404.3	414.0	409.6	378.4	315.1	231.9	153.2
105°	443.4	445.3	449.7	452.3	451.7	438.7	407.5	352.9	280.8	206.7	143.4
107.5°	473.8	473.0	469.8	462.6	447.1	418.9	375.1	317.0	253.1	192.6	141.6
110°	474.3	471.4	465.8	452.5	430.2	395.6	349.8	295.3	239.2	187.8	142.1



TEST NUMBER: P332537-940

CATALOG NUMBER: SA4XXDIP-C575D365U940-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	459.4	454.9	446.9	430.9	405.5	370.8	327.6	279.4	231.4	185.6	143.7
115°	425.8	423.3	413.1	394.2	369.3	339.1	302.2	263.5	224.1	184.4	146.5
117.5°	391.6	389.7	379.5	363.6	342.4	316.7	287.8	255.7	220.8	184.0	149.6
120°	372.6	369.1	360.9	347.0	329.0	306.7	281.4	252.1	219.0	184.0	151.9
122.5°	357.4	353.9	347.0	335.1	319.9	300.3	277.4	249.1	217.0	183.8	154.2
125°	339.7	337.9	331.9	322.7	310.1	292.7	271.0	244.0	213.7	183.4	157.6
127.5°	329.4	327.5	322.4	314.3	301.7	285.3	263.5	237.6	209.2	182.7	160.3
130°	323.3	321.5	316.4	308.5	295.6	278.9	257.5	232.6	206.4	182.4	162.3
132.5°	316.6	314.7	309.9	301.0	288.3	271.6	250.7	227.3	203.9	182.3	164.1
135°	303.8	301.9	296.9	288.0	275.4	259.7	240.5	220.0	200.1	181.8	166.7
137.5°	288.0	285.8	281.6	273.0	261.1	246.9	230.7	213.4	196.9	181.8	168.3
140°	276.7	274.2	269.7	262.9	251.8	238.5	224.4	209.6	195.1	181.6	169.5
142.5°	264.6	262.9	259.0	252.5	242.7	231.2	219.1	206.1	193.6	181.6	170.6
145°	248.0	246.5	243.3	237.9	230.1	221.2	211.8	201.1	191.0	180.9	171.1
147.5°	233.4	232.7	230.4	225.8	220.0	213.0	205.5	197.0	188.7	179.8	171.5
150°	225.0	224.7	222.8	218.7	213.7	208.0	201.7	194.5	186.9	179.0	171.5
152.5°	217.5	217.1	216.0	212.7	208.4	203.8	198.0	191.7	184.9	177.7	170.9
155°	207.7	207.7	206.7	204.2	201.1	197.2	192.5	187.5	181.8	175.8	170.2
157.5°	199.1	199.1	198.6	196.6	194.3	191.3	187.3	183.1	178.8	173.9	169.3
160°	193.9	193.9	193.5	191.6	189.8	187.2	183.7	180.3	176.5	172.4	168.6
162.5°	188.8	189.0	188.7	186.8	185.5	183.2	180.5	177.5	174.5	170.9	167.8
165°	181.2	181.6	181.8	180.6	179.3	177.7	175.6	173.6	171.1	168.6	166.4
167.5°	175.2	175.5	175.6	174.7	174.1	173.2	171.4	170.0	168.1	166.3	164.9
170°	171.5	171.5	171.7	171.5	170.9	169.9	168.6	167.6	166.1	164.8	163.9
172.5°	167.6	168.2	168.4	168.2	167.8	167.1	166.3	165.7	164.3	163.3	162.9
175°	163.3	163.9	164.5	163.9	163.9	163.9	163.3	162.9	162.3	161.7	161.7
177.5°	160.7	161.1	161.7	161.4	161.7	161.4	161.4	161.1	161.0	160.7	160.7
180°	160.4	160.4	160.4	160.4	160.4	160.4	160.4	160.4	160.4	160.4	160.4



TEST NUMBER: P332537-940

CATALOG NUMBER: SA4XXDIP-C575D365U940-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	837.5	837.5	837.5	837.5	837.5	837.5	837.5	837.5	837.5	837.5	837.5
2.5°	864.4	860.6	857.8	855.6	849.4	845.9	843.1	839.2	834.7	830.0	824.2
5°	913.6	901.7	893.0	879.9	867.4	856.9	846.2	836.5	824.7	811.9	802.5
7.5°	965.1	947.5	925.1	905.5	883.6	864.5	847.5	830.0	811.8	794.2	778.0
10°	997.8	975.3	950.3	920.8	893.0	868.4	845.5	823.3	801.8	780.2	761.9
12.5°	1033.0	1005.0	968.0	933.5	902.5	869.5	841.9	814.7	788.7	766.2	744.7
15°	1080.4	1039.8	997.1	951.0	910.1	871.6	833.7	799.3	770.3	740.4	719.6
17.5°	1109.5	1059.3	1010.5	962.2	912.7	864.1	823.3	783.7	747.2	717.6	691.3
20°	1128.6	1078.7	1018.0	969.7	910.7	860.8	813.6	769.5	731.4	699.8	672.7
22.5°	1145.3	1087.5	1026.8	963.3	904.6	851.6	800.0	755.6	716.7	683.4	657.5
25°	1154.3	1088.1	1022.1	958.9	892.3	829.6	782.7	730.7	689.0	654.0	626.2
27.5°	1155.3	1084.4	1009.9	939.7	870.9	812.4	753.3	706.8	663.6	626.5	599.9
30°	1152.2	1078.3	998.2	922.2	853.2	789.6	738.3	687.7	643.5	606.8	579.1
32.5°	1142.5	1065.5	983.2	902.8	831.3	769.1	716.1	668.0	625.0	588.8	559.6
35°	1114.4	1038.4	950.7	867.0	793.8	731.0	683.1	634.2	591.2	556.9	528.8
37.5°	1070.5	1001.7	912.6	826.0	754.1	691.1	643.5	599.4	560.6	525.7	496.9
40°	1032.2	971.8	882.3	798.0	720.2	660.2	615.8	575.2	536.7	503.7	476.4
42.5°	988.0	935.4	852.8	763.6	688.6	628.3	585.1	548.6	512.3	481.9	454.4
45°	909.4	874.7	796.9	714.3	636.3	579.4	538.1	506.2	475.6	445.9	422.9
47.5°	818.9	801.6	736.2	657.8	583.7	527.6	491.9	462.4	435.6	410.3	390.1
50°	758.0	749.8	693.2	617.6	546.8	494.1	458.0	432.7	409.7	387.5	368.5
52.5°	698.1	697.9	646.8	577.6	512.1	461.3	425.5	401.8	382.0	363.9	346.8
55°	606.5	616.2	576.3	514.5	455.9	410.1	377.8	356.7	342.8	327.9	315.0
57.5°	522.3	538.4	505.5	451.1	402.2	360.0	331.9	316.0	301.2	292.2	282.9
60°	467.3	482.6	456.9	411.2	365.0	328.9	302.2	287.9	275.1	268.9	262.3
62.5°	418.5	432.1	413.0	370.6	330.6	295.9	273.3	259.7	251.0	244.2	239.8
65°	348.7	360.2	343.8	313.0	278.6	250.8	232.5	221.7	213.4	210.6	205.7
67.5°	281.9	292.3	283.5	257.3	229.7	208.7	194.3	184.0	179.1	176.6	173.2
70°	242.2	252.6	243.2	220.3	199.1	181.5	167.9	162.0	156.9	155.8	151.0
72.5°	208.6	215.7	206.3	188.4	170.3	155.3	144.9	138.8	136.0	134.1	131.5
75°	156.5	162.7	156.5	142.6	129.7	119.3	110.3	107.9	104.8	103.7	102.0
77.5°	110.8	116.2	111.4	102.7	93.1	85.1	80.3	77.1	76.4	74.6	75.4
80°	84.6	88.1	83.6	77.8	70.1	64.6	61.1	59.3	57.2	56.5	58.0
82.5°	60.8	62.3	60.0	56.1	50.4	46.7	44.4	42.4	42.0	42.1	42.1
85°	31.6	31.2	30.9	27.4	25.7	23.3	21.8	21.5	21.1	21.8	22.6
87.5°	11.4	11.7	11.1	9.9	9.0	8.1	7.7	7.3	7.7	8.1	8.5
90°	4.4	4.4	2.5	2.5	2.2	1.9	1.0	0.4	1.0	1.9	2.2
92.5°	63.7	39.2	23.2	16.7	12.0	8.2	5.3	3.6	5.3	8.2	12.0
95°	118.5	66.8	39.4	26.1	18.6	14.5	11.3	10.4	11.3	14.5	18.6
97.5°	106.6	63.8	42.7	31.7	25.1	21.4	18.6	18.6	18.6	21.4	25.1
100°	100.2	64.6	46.0	35.9	30.0	26.1	24.0	24.0	24.0	26.1	30.0
102.5°	98.4	67.1	50.3	40.8	35.0	31.5	29.5	29.0	29.5	31.5	35.0
105°	99.2	73.1	58.0	48.9	43.2	39.4	37.8	36.9	37.8	39.4	43.2
107.5°	104.0	80.1	66.3	57.2	51.8	47.8	46.2	45.6	46.2	47.8	51.8
110°	107.5	85.4	71.5	63.0	57.3	53.6	52.0	51.4	52.0	53.6	57.3



TEST NUMBER: P332537-940

CATALOG NUMBER: SA4XXDIP-C575D365U940-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	111.3	90.4	77.0	68.6	62.9	59.4	57.5	56.9	57.5	59.4	62.9
115°	117.3	98.4	85.7	77.2	71.2	68.0	65.9	64.9	65.9	68.0	71.2
117.5°	123.3	105.9	94.0	85.2	79.5	76.1	74.1	73.2	74.1	76.1	79.5
120°	127.6	111.3	99.2	90.4	85.1	81.6	79.5	78.8	79.5	81.6	85.1
122.5°	131.7	116.3	104.3	95.8	89.9	86.7	84.4	83.8	84.4	86.7	89.9
125°	137.7	123.2	111.9	103.1	97.1	93.6	91.7	90.4	91.7	93.6	97.1
127.5°	142.9	129.7	118.7	109.8	103.5	99.6	97.3	96.3	97.3	99.6	103.5
130°	146.2	133.9	123.2	114.0	108.1	103.3	100.9	99.6	100.9	103.3	108.1
132.5°	149.5	137.5	126.7	118.2	111.6	107.2	103.9	102.9	103.9	107.2	111.6
135°	153.8	142.4	132.1	123.9	117.3	111.9	108.7	107.5	108.7	111.9	117.3
137.5°	156.9	146.2	136.5	128.7	121.8	116.7	113.2	112.1	113.2	116.7	121.8
140°	158.8	148.7	139.3	131.7	125.1	119.8	116.3	115.4	116.3	119.8	125.1
142.5°	160.3	151.1	141.8	134.5	128.1	123.1	119.8	118.9	119.8	123.1	128.1
145°	162.0	153.5	145.3	138.4	132.3	128.0	124.8	123.9	124.8	128.0	132.3
147.5°	163.5	156.0	148.3	142.0	137.1	132.6	129.7	129.5	129.7	132.6	137.1
150°	164.2	157.3	150.3	144.4	139.6	135.8	133.3	133.0	133.3	135.8	139.6
152.5°	164.7	158.3	152.1	146.6	142.4	138.8	136.3	136.3	136.3	138.8	142.4
155°	165.1	159.8	154.4	149.7	146.2	143.1	141.2	140.9	141.2	143.1	146.2
157.5°	165.1	160.9	156.3	152.6	149.5	147.1	145.3	145.3	145.3	147.1	149.5
160°	165.1	161.4	157.6	154.1	151.6	149.4	148.1	148.1	148.1	149.4	151.6
162.5°	165.1	161.8	158.4	155.6	153.4	151.4	150.4	150.6	150.4	151.4	153.4
165°	164.5	162.0	159.2	157.3	155.7	154.1	153.5	153.5	153.5	154.1	155.7
167.5°	163.7	161.9	159.9	158.4	157.5	156.3	156.0	156.3	156.0	156.3	157.5
170°	163.3	161.7	160.1	159.2	158.5	157.6	157.3	157.6	157.3	157.6	158.5
172.5°	162.7	161.4	160.3	159.6	159.3	158.5	158.5	158.8	158.5	158.5	159.3
175°	162.0	161.0	160.4	160.4	160.1	159.8	159.8	160.1	159.8	159.8	160.1
177.5°	161.1	160.7	160.4	160.4	160.4	160.2	160.4	160.7	160.4	160.2	160.4
180°	160.4	160.4	160.4	160.4	160.4	160.4	160.4	160.4	160.4	160.4	160.4



TEST NUMBER: P332537-940

CATALOG NUMBER: SA4XXDIP-C575D365U940-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	837.5	837.5	837.5	837.5	837.5	837.5	837.5	837.5	837.5	837.5	837.5
2.5°	821.4	818.9	815.3	810.3	806.2	801.7	800.6	799.0	802.3	799.5	798.7
5°	794.5	787.2	777.8	767.1	760.9	751.8	750.1	746.6	743.2	742.8	739.3
7.5°	766.0	755.3	743.1	732.1	721.9	712.1	705.6	704.3	699.1	696.2	692.7
10°	747.7	734.5	720.2	709.9	698.0	687.7	680.4	676.2	672.7	668.9	665.5
12.5°	726.0	712.0	700.3	689.0	675.0	667.1	655.1	647.9	647.2	647.3	638.3
15°	700.8	687.0	668.9	653.0	645.3	630.1	623.5	615.1	609.9	604.8	600.6
17.5°	672.1	654.8	640.7	622.3	607.8	595.7	586.9	581.9	574.2	566.8	561.4
20°	654.0	635.6	620.7	601.3	585.3	570.4	563.1	556.2	550.3	544.0	538.1
22.5°	635.7	616.4	598.2	579.3	564.5	548.8	541.7	532.3	526.6	523.2	517.3
25°	606.8	586.0	565.2	547.2	531.9	518.0	508.6	501.3	495.1	492.3	488.5
27.5°	575.4	554.7	534.7	514.2	496.9	486.8	479.3	473.8	470.2	466.5	464.8
30°	555.4	534.0	512.5	493.4	477.4	467.3	460.4	456.6	453.8	452.1	450.3
32.5°	535.2	514.0	491.3	473.9	459.7	450.7	445.4	441.6	440.2	439.6	439.0
35°	502.7	481.3	460.4	444.8	431.2	427.8	423.3	421.2	420.5	422.9	424.0
37.5°	471.3	451.3	432.1	417.1	408.1	403.1	401.5	401.6	404.1	406.3	408.8
40°	451.0	431.6	413.6	400.4	392.1	389.0	388.3	389.9	392.7	395.2	398.0
42.5°	431.3	412.1	395.8	383.4	377.6	374.8	375.2	376.9	380.8	383.8	388.0
45°	400.7	384.8	368.8	358.7	353.9	354.5	354.5	357.7	361.5	366.0	370.5
47.5°	371.9	355.8	342.7	334.2	331.7	331.1	333.1	337.2	342.7	348.2	354.5
50°	352.5	337.2	325.7	318.2	315.4	316.4	319.2	323.0	329.6	336.5	343.1
52.5°	332.8	318.9	308.3	301.2	299.3	301.1	303.9	310.0	315.8	323.2	331.2
55°	302.2	290.4	282.0	276.9	276.2	277.2	280.4	287.0	295.2	304.6	312.3
57.5°	271.7	261.9	254.2	250.7	251.0	252.0	257.1	264.9	273.8	283.8	293.6
60°	251.2	242.2	235.9	233.2	233.5	235.6	241.8	249.1	260.2	269.9	280.4
62.5°	231.8	223.8	217.8	215.3	214.9	219.5	225.4	233.0	244.2	254.9	266.2
65°	200.5	194.3	189.4	188.1	189.0	192.5	200.2	210.3	219.6	231.0	242.9
67.5°	170.0	164.9	161.6	162.2	163.5	168.5	175.0	183.6	194.2	206.1	217.8
70°	150.6	145.7	142.9	143.3	145.3	151.6	157.2	165.9	177.3	189.4	199.1
72.5°	130.6	127.4	124.9	126.4	128.4	132.8	139.6	148.4	158.5	169.7	180.0
75°	100.2	100.2	98.9	100.0	103.1	107.2	112.4	121.5	131.5	140.5	148.8
77.5°	74.4	73.7	74.5	75.8	77.6	82.5	88.5	95.0	102.5	111.6	118.4
80°	56.9	57.2	58.9	61.1	61.8	65.5	71.8	77.8	83.6	91.2	97.8
82.5°	42.7	43.1	44.0	46.6	47.3	51.5	55.5	61.3	66.7	71.8	77.3
85°	23.3	23.3	25.0	26.0	27.7	30.5	33.0	36.5	41.3	44.8	49.9
87.5°	9.4	9.4	10.9	11.4	12.4	13.9	14.4	17.5	18.7	20.2	22.6
90°	2.5	2.5	4.4	4.4	5.1	5.7	5.4	5.7	6.0	6.3	6.3
92.5°	16.7	23.2	39.2	63.7	87.5	100.0	83.3	61.9	46.5	37.1	30.8
95°	26.1	39.4	66.8	118.5	193.9	256.8	264.1	233.5	184.7	142.4	111.9
97.5°	31.7	42.7	63.8	106.6	181.4	270.5	331.8	345.0	326.9	296.0	263.1
100°	35.9	46.0	64.6	100.2	164.5	253.4	334.0	380.0	386.4	371.0	347.6
102.5°	40.8	50.3	67.1	98.4	153.2	231.9	315.1	378.4	409.6	414.0	404.3
105°	48.9	58.0	73.1	99.2	143.4	206.7	280.8	352.9	407.5	438.7	451.7
107.5°	57.2	66.3	80.1	104.0	141.6	192.6	253.1	317.0	375.1	418.9	447.1
110°	63.0	71.5	85.4	107.5	142.1	187.8	239.2	295.3	349.8	395.6	430.2



TEST NUMBER: P332537-940

CATALOG NUMBER: SA4XXDIP-C575D365U940-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	68.6	77.0	90.4	111.3	143.7	185.6	231.4	279.4	327.6	370.8	405.5
115°	77.2	85.7	98.4	117.3	146.5	184.4	224.1	263.5	302.2	339.1	369.3
117.5°	85.2	94.0	105.9	123.3	149.6	184.0	220.8	255.7	287.8	316.7	342.4
120°	90.4	99.2	111.3	127.6	151.9	184.0	219.0	252.1	281.4	306.7	329.0
122.5°	95.8	104.3	116.3	131.7	154.2	183.8	217.0	249.1	277.4	300.3	319.9
125°	103.1	111.9	123.2	137.7	157.6	183.4	213.7	244.0	271.0	292.7	310.1
127.5°	109.8	118.7	129.7	142.9	160.3	182.7	209.2	237.6	263.5	285.3	301.7
130°	114.0	123.2	133.9	146.2	162.3	182.4	206.4	232.6	257.5	278.9	295.6
132.5°	118.2	126.7	137.5	149.5	164.1	182.3	203.9	227.3	250.7	271.6	288.3
135°	123.9	132.1	142.4	153.8	166.7	181.8	200.1	220.0	240.5	259.7	275.4
137.5°	128.7	136.5	146.2	156.9	168.3	181.8	196.9	213.4	230.7	246.9	261.1
140°	131.7	139.3	148.7	158.8	169.5	181.6	195.1	209.6	224.4	238.5	251.8
142.5°	134.5	141.8	151.1	160.3	170.6	181.6	193.6	206.1	219.1	231.2	242.7
145°	138.4	145.3	153.5	162.0	171.1	180.9	191.0	201.1	211.8	221.2	230.1
147.5°	142.0	148.3	156.0	163.5	171.5	179.8	188.7	197.0	205.5	213.0	220.0
150°	144.4	150.3	157.3	164.2	171.5	179.0	186.9	194.5	201.7	208.0	213.7
152.5°	146.6	152.1	158.3	164.7	170.9	177.7	184.9	191.7	198.0	203.8	208.4
155°	149.7	154.4	159.8	165.1	170.2	175.8	181.8	187.5	192.5	197.2	201.1
157.5°	152.6	156.3	160.9	165.1	169.3	173.9	178.8	183.1	187.3	191.3	194.3
160°	154.1	157.6	161.4	165.1	168.6	172.4	176.5	180.3	183.7	187.2	189.8
162.5°	155.6	158.4	161.8	165.1	167.8	170.9	174.5	177.5	180.5	183.2	185.5
165°	157.3	159.2	162.0	164.5	166.4	168.6	171.1	173.6	175.6	177.7	179.3
167.5°	158.4	159.9	161.9	163.7	164.9	166.3	168.1	170.0	171.4	173.2	174.1
170°	159.2	160.1	161.7	163.3	163.9	164.8	166.1	167.6	168.6	169.9	170.9
172.5°	159.6	160.3	161.4	162.7	162.9	163.3	164.3	165.7	166.3	167.1	167.8
175°	160.4	160.4	161.0	162.0	161.7	161.7	162.3	162.9	163.3	163.9	163.9
177.5°	160.4	160.4	160.7	161.1	160.7	160.7	161.0	161.1	161.4	161.4	161.7
180°	160.4	160.4	160.4	160.4	160.4	160.4	160.4	160.4	160.4	160.4	160.4



TEST NUMBER: P332537-940

CATALOG NUMBER: SA4XXDIP-C575D365U940-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	837.5	837.5	837.5	837.5	837.5	837.5	837.5	837.5	837.5	837.5	837.5
2.5°	798.1	797.5	795.6	795.3	795.6	797.5	798.1	798.7	799.5	802.3	799.0
5°	737.3	735.6	734.5	738.3	734.5	735.6	737.3	739.3	742.8	743.2	746.6
7.5°	691.4	690.0	687.0	686.0	687.0	690.0	691.4	692.7	696.2	699.1	704.3
10°	662.0	660.6	657.8	657.1	657.8	660.6	662.0	665.5	668.9	672.7	676.2
12.5°	633.6	630.9	630.4	631.1	630.4	630.9	633.6	638.3	647.3	647.2	647.9
15°	596.0	594.7	590.8	591.9	590.8	594.7	596.0	600.6	604.8	609.9	615.1
17.5°	559.0	557.3	552.7	556.8	552.7	557.3	559.0	561.4	566.8	574.2	581.9
20°	535.7	532.9	530.5	530.1	530.5	532.9	535.7	538.1	544.0	550.3	556.2
22.5°	513.4	511.0	510.8	508.5	510.8	511.0	513.4	517.3	523.2	526.6	532.3
25°	485.7	483.3	482.6	480.9	482.6	483.3	485.7	488.5	492.3	495.1	501.3
27.5°	464.4	463.2	462.0	462.5	462.0	463.2	464.4	464.8	466.5	470.2	473.8
30°	451.4	451.0	450.3	450.3	450.3	451.0	451.4	450.3	452.1	453.8	456.6
32.5°	440.6	440.5	440.9	440.9	440.9	440.5	440.6	439.0	439.6	440.2	441.6
35°	425.3	426.4	427.1	426.1	427.1	426.4	425.3	424.0	422.9	420.5	421.2
37.5°	411.6	412.7	413.7	414.8	413.7	412.7	411.6	408.8	406.3	404.1	401.6
40°	401.1	403.5	404.2	405.9	404.2	403.5	401.1	398.0	395.2	392.7	389.9
42.5°	391.1	393.8	395.6	395.9	395.6	393.8	391.1	388.0	383.8	380.8	376.9
45°	375.8	378.5	380.9	380.9	380.9	378.5	375.8	370.5	366.0	361.5	357.7
47.5°	359.9	363.9	366.3	366.9	366.3	363.9	359.9	354.5	348.2	342.7	337.2
50°	349.0	353.9	356.3	358.0	356.3	353.9	349.0	343.1	336.5	329.6	323.0
52.5°	338.5	343.3	346.6	347.5	346.6	343.3	338.5	331.2	323.2	315.8	310.0
55°	320.2	327.2	331.0	332.3	331.0	327.2	320.2	312.3	304.6	295.2	287.0
57.5°	303.0	309.4	313.9	314.9	313.9	309.4	303.0	293.6	283.8	273.8	264.9
60°	289.7	296.7	302.2	303.3	302.2	296.7	289.7	280.4	269.9	260.2	249.1
62.5°	276.1	283.3	288.3	291.1	288.3	283.3	276.1	266.2	254.9	244.2	233.0
65°	252.6	259.8	264.7	265.7	264.7	259.8	252.6	242.9	231.0	219.6	210.3
67.5°	226.9	234.2	237.4	239.4	237.4	234.2	226.9	217.8	206.1	194.2	183.6
70°	208.8	214.7	218.2	220.0	218.2	214.7	208.8	199.1	189.4	177.3	165.9
72.5°	188.3	194.5	198.5	198.9	198.5	194.5	188.3	180.0	169.7	158.5	148.4
75°	156.9	162.4	164.4	164.4	164.4	162.4	156.9	148.8	140.5	131.5	121.5
77.5°	124.1	127.0	129.7	130.2	129.7	127.0	124.1	118.4	111.6	102.5	95.0
80°	103.1	104.8	106.8	106.8	106.8	104.8	103.1	97.8	91.2	83.6	77.8
82.5°	81.4	82.8	84.9	84.6	84.9	82.8	81.4	77.3	71.8	66.7	61.3
85°	49.2	52.4	52.1	51.4	52.1	52.4	49.2	49.9	44.8	41.3	36.5
87.5°	23.5	23.9	24.6	25.2	24.6	23.9	23.5	22.6	20.2	18.7	17.5
90°	6.6	7.0	6.6	6.6	6.6	7.0	6.6	6.3	6.3	6.0	5.7
92.5°	27.0	25.3	24.3	24.3	24.3	25.3	27.0	30.8	37.1	46.5	61.9
95°	96.4	86.7	81.0	76.9	81.0	86.7	96.4	111.9	142.4	184.7	233.5
97.5°	240.5	221.6	212.1	205.5	212.1	221.6	240.5	263.1	296.0	326.9	345.0
100°	320.2	301.0	291.5	289.0	291.5	301.0	320.2	347.6	371.0	386.4	380.0
102.5°	387.5	373.6	363.6	361.6	363.6	373.6	387.5	404.3	414.0	409.6	378.4
105°	452.3	449.7	445.3	443.4	445.3	449.7	452.3	451.7	438.7	407.5	352.9
107.5°	462.6	469.8	473.0	473.8	473.0	469.8	462.6	447.1	418.9	375.1	317.0
110°	452.5	465.8	471.4	474.3	471.4	465.8	452.5	430.2	395.6	349.8	295.3



TEST NUMBER: P332537-940

CATALOG NUMBER: SA4XXDIP-C575D365U940-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	430.9	446.9	454.9	459.4	454.9	446.9	430.9	405.5	370.8	327.6	279.4
115°	394.2	413.1	423.3	425.8	423.3	413.1	394.2	369.3	339.1	302.2	263.5
117.5°	363.6	379.5	389.7	391.6	389.7	379.5	363.6	342.4	316.7	287.8	255.7
120°	347.0	360.9	369.1	372.6	369.1	360.9	347.0	329.0	306.7	281.4	252.1
122.5°	335.1	347.0	353.9	357.4	353.9	347.0	335.1	319.9	300.3	277.4	249.1
125°	322.7	331.9	337.9	339.7	337.9	331.9	322.7	310.1	292.7	271.0	244.0
127.5°	314.3	322.4	327.5	329.4	327.5	322.4	314.3	301.7	285.3	263.5	237.6
130°	308.5	316.4	321.5	323.3	321.5	316.4	308.5	295.6	278.9	257.5	232.6
132.5°	301.0	309.9	314.7	316.6	314.7	309.9	301.0	288.3	271.6	250.7	227.3
135°	288.0	296.9	301.9	303.8	301.9	296.9	288.0	275.4	259.7	240.5	220.0
137.5°	273.0	281.6	285.8	288.0	285.8	281.6	273.0	261.1	246.9	230.7	213.4
140°	262.9	269.7	274.2	276.7	274.2	269.7	262.9	251.8	238.5	224.4	209.6
142.5°	252.5	259.0	262.9	264.6	262.9	259.0	252.5	242.7	231.2	219.1	206.1
145°	237.9	243.3	246.5	248.0	246.5	243.3	237.9	230.1	221.2	211.8	201.1
147.5°	225.8	230.4	232.7	233.4	232.7	230.4	225.8	220.0	213.0	205.5	197.0
150°	218.7	222.8	224.7	225.0	224.7	222.8	218.7	213.7	208.0	201.7	194.5
152.5°	212.7	216.0	217.1	217.5	217.1	216.0	212.7	208.4	203.8	198.0	191.7
155°	204.2	206.7	207.7	207.7	207.7	206.7	204.2	201.1	197.2	192.5	187.5
157.5°	196.6	198.6	199.1	199.1	199.1	198.6	196.6	194.3	191.3	187.3	183.1
160°	191.6	193.5	193.9	193.9	193.9	193.5	191.6	189.8	187.2	183.7	180.3
162.5°	186.8	188.7	189.0	188.8	189.0	188.7	186.8	185.5	183.2	180.5	177.5
165°	180.6	181.8	181.6	181.2	181.6	181.8	180.6	179.3	177.7	175.6	173.6
167.5°	174.7	175.6	175.5	175.2	175.5	175.6	174.7	174.1	173.2	171.4	170.0
170°	171.5	171.7	171.5	171.5	171.5	171.7	171.5	170.9	169.9	168.6	167.6
172.5°	168.2	168.4	168.2	167.6	168.2	168.4	168.2	167.8	167.1	166.3	165.7
175°	163.9	164.5	163.9	163.3	163.9	164.5	163.9	163.9	163.9	163.3	162.9
177.5°	161.4	161.7	161.1	160.7	161.1	161.7	161.4	161.7	161.4	161.4	161.1
180°	160.4	160.4	160.4	160.4	160.4	160.4	160.4	160.4	160.4	160.4	160.4



TEST NUMBER: P332537-940

CATALOG NUMBER: SA4XXDIP-C575D365U940-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	837.5	837.5	837.5	837.5	837.5	837.5	837.5	837.5	837.5	837.5	837.5
2.5°	800.6	801.7	806.2	810.3	815.3	818.9	821.4	824.2	830.0	834.7	839.2
5°	750.1	751.8	760.9	767.1	777.8	787.2	794.5	802.5	811.9	824.7	836.5
7.5°	705.6	712.1	721.9	732.1	743.1	755.3	766.0	778.0	794.2	811.8	830.0
10°	680.4	687.7	698.0	709.9	720.2	734.5	747.7	761.9	780.2	801.8	823.3
12.5°	655.1	667.1	675.0	689.0	700.3	712.0	726.0	744.7	766.2	788.7	814.7
15°	623.5	630.1	645.3	653.0	668.9	687.0	700.8	719.6	740.4	770.3	799.3
17.5°	586.9	595.7	607.8	622.3	640.7	654.8	672.1	691.3	717.6	747.2	783.7
20°	563.1	570.4	585.3	601.3	620.7	635.6	654.0	672.7	699.8	731.4	769.5
22.5°	541.7	548.8	564.5	579.3	598.2	616.4	635.7	657.5	683.4	716.7	755.6
25°	508.6	518.0	531.9	547.2	565.2	586.0	606.8	626.2	654.0	689.0	730.7
27.5°	479.3	486.8	496.9	514.2	534.7	554.7	575.4	599.9	626.5	663.6	706.8
30°	460.4	467.3	477.4	493.4	512.5	534.0	555.4	579.1	606.8	643.5	687.7
32.5°	445.4	450.7	459.7	473.9	491.3	514.0	535.2	559.6	588.8	625.0	668.0
35°	423.3	427.8	431.2	444.8	460.4	481.3	502.7	528.8	556.9	591.2	634.2
37.5°	401.5	403.1	408.1	417.1	432.1	451.3	471.3	496.9	525.7	560.6	599.4
40°	388.3	389.0	392.1	400.4	413.6	431.6	451.0	476.4	503.7	536.7	575.2
42.5°	375.2	374.8	377.6	383.4	395.8	412.1	431.3	454.4	481.9	512.3	548.6
45°	354.5	354.5	353.9	358.7	368.8	384.8	400.7	422.9	445.9	475.6	506.2
47.5°	333.1	331.1	331.7	334.2	342.7	355.8	371.9	390.1	410.3	435.6	462.4
50°	319.2	316.4	315.4	318.2	325.7	337.2	352.5	368.5	387.5	409.7	432.7
52.5°	303.9	301.1	299.3	301.2	308.3	318.9	332.8	346.8	363.9	382.0	401.8
55°	280.4	277.2	276.2	276.9	282.0	290.4	302.2	315.0	327.9	342.8	356.7
57.5°	257.1	252.0	251.0	250.7	254.2	261.9	271.7	282.9	292.2	301.2	316.0
60°	241.8	235.6	233.5	233.2	235.9	242.2	251.2	262.3	268.9	275.1	287.9
62.5°	225.4	219.5	214.9	215.3	217.8	223.8	231.8	239.8	244.2	251.0	259.7
65°	200.2	192.5	189.0	188.1	189.4	194.3	200.5	205.7	210.6	213.4	221.7
67.5°	175.0	168.5	163.5	162.2	161.6	164.9	170.0	173.2	176.6	179.1	184.0
70°	157.2	151.6	145.3	143.3	142.9	145.7	150.6	151.0	155.8	156.9	162.0
72.5°	139.6	132.8	128.4	126.4	124.9	127.4	130.6	131.5	134.1	136.0	138.8
75°	112.4	107.2	103.1	100.0	98.9	100.2	100.2	102.0	103.7	104.8	107.9
77.5°	88.5	82.5	77.6	75.8	74.5	73.7	74.4	75.4	74.6	76.4	77.1
80°	71.8	65.5	61.8	61.1	58.9	57.2	56.9	58.0	56.5	57.2	59.3
82.5°	55.5	51.5	47.3	46.6	44.0	43.1	42.7	42.1	42.1	42.0	42.4
85°	33.0	30.5	27.7	26.0	25.0	23.3	23.3	22.6	21.8	21.1	21.5
87.5°	14.4	13.9	12.4	11.4	10.9	9.4	9.4	8.5	8.1	7.7	7.3
90°	5.4	5.7	5.1	4.4	4.4	2.5	2.5	2.2	1.9	1.0	0.4
92.5°	83.3	100.0	87.5	63.7	39.2	23.2	16.7	12.0	8.2	5.3	3.6
95°	264.1	256.8	193.9	118.5	66.8	39.4	26.1	18.6	14.5	11.3	10.4
97.5°	331.8	270.5	181.4	106.6	63.8	42.7	31.7	25.1	21.4	18.6	18.6
100°	334.0	253.4	164.5	100.2	64.6	46.0	35.9	30.0	26.1	24.0	24.0
102.5°	315.1	231.9	153.2	98.4	67.1	50.3	40.8	35.0	31.5	29.5	29.0
105°	280.8	206.7	143.4	99.2	73.1	58.0	48.9	43.2	39.4	37.8	36.9
107.5°	253.1	192.6	141.6	104.0	80.1	66.3	57.2	51.8	47.8	46.2	45.6
110°	239.2	187.8	142.1	107.5	85.4	71.5	63.0	57.3	53.6	52.0	51.4



TEST NUMBER: P332537-940

CATALOG NUMBER: SA4XXDIP-C575D365U940-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	231.4	185.6	143.7	111.3	90.4	77.0	68.6	62.9	59.4	57.5	56.9
115°	224.1	184.4	146.5	117.3	98.4	85.7	77.2	71.2	68.0	65.9	64.9
117.5°	220.8	184.0	149.6	123.3	105.9	94.0	85.2	79.5	76.1	74.1	73.2
120°	219.0	184.0	151.9	127.6	111.3	99.2	90.4	85.1	81.6	79.5	78.8
122.5°	217.0	183.8	154.2	131.7	116.3	104.3	95.8	89.9	86.7	84.4	83.8
125°	213.7	183.4	157.6	137.7	123.2	111.9	103.1	97.1	93.6	91.7	90.4
127.5°	209.2	182.7	160.3	142.9	129.7	118.7	109.8	103.5	99.6	97.3	96.3
130°	206.4	182.4	162.3	146.2	133.9	123.2	114.0	108.1	103.3	100.9	99.6
132.5°	203.9	182.3	164.1	149.5	137.5	126.7	118.2	111.6	107.2	103.9	102.9
135°	200.1	181.8	166.7	153.8	142.4	132.1	123.9	117.3	111.9	108.7	107.5
137.5°	196.9	181.8	168.3	156.9	146.2	136.5	128.7	121.8	116.7	113.2	112.1
140°	195.1	181.6	169.5	158.8	148.7	139.3	131.7	125.1	119.8	116.3	115.4
142.5°	193.6	181.6	170.6	160.3	151.1	141.8	134.5	128.1	123.1	119.8	118.9
145°	191.0	180.9	171.1	162.0	153.5	145.3	138.4	132.3	128.0	124.8	123.9
147.5°	188.7	179.8	171.5	163.5	156.0	148.3	142.0	137.1	132.6	129.7	129.5
150°	186.9	179.0	171.5	164.2	157.3	150.3	144.4	139.6	135.8	133.3	133.0
152.5°	184.9	177.7	170.9	164.7	158.3	152.1	146.6	142.4	138.8	136.3	136.3
155°	181.8	175.8	170.2	165.1	159.8	154.4	149.7	146.2	143.1	141.2	140.9
157.5°	178.8	173.9	169.3	165.1	160.9	156.3	152.6	149.5	147.1	145.3	145.3
160°	176.5	172.4	168.6	165.1	161.4	157.6	154.1	151.6	149.4	148.1	148.1
162.5°	174.5	170.9	167.8	165.1	161.8	158.4	155.6	153.4	151.4	150.4	150.6
165°	171.1	168.6	166.4	164.5	162.0	159.2	157.3	155.7	154.1	153.5	153.5
167.5°	168.1	166.3	164.9	163.7	161.9	159.9	158.4	157.5	156.3	156.0	156.3
170°	166.1	164.8	163.9	163.3	161.7	160.1	159.2	158.5	157.6	157.3	157.6
172.5°	164.3	163.3	162.9	162.7	161.4	160.3	159.6	159.3	158.5	158.5	158.8
175°	162.3	161.7	161.7	162.0	161.0	160.4	160.4	160.1	159.8	159.8	160.1
177.5°	161.0	160.7	160.7	161.1	160.7	160.4	160.4	160.4	160.2	160.4	160.7
180°	160.4	160.4	160.4	160.4	160.4	160.4	160.4	160.4	160.4	160.4	160.4



TEST NUMBER: P332537-940

CATALOG NUMBER: SA4XXDIP-C575D365U940-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	837.5	837.5	837.5	837.5	837.5	837.5	837.5	837.5	837.5	837.5	837.5
2.5°	843.1	845.9	849.4	855.6	857.8	860.6	864.4	864.2	865.3	869.4	878.3
5°	846.2	856.9	867.4	879.9	893.0	901.7	913.6	920.8	928.1	937.5	953.4
7.5°	847.5	864.5	883.6	905.5	925.1	947.5	965.1	981.6	996.5	1016.3	1035.3
10°	845.5	868.4	893.0	920.8	950.3	975.3	997.8	1023.5	1045.4	1069.3	1090.8
12.5°	841.9	869.5	902.5	933.5	968.0	1005.0	1033.0	1059.0	1088.1	1115.6	1148.8
15°	833.7	871.6	910.1	951.0	997.1	1039.8	1080.4	1114.0	1145.3	1186.6	1229.9
17.5°	823.3	864.1	912.7	962.2	1010.5	1059.3	1109.5	1160.0	1199.4	1250.7	1284.7
20°	813.6	860.8	910.7	969.7	1018.0	1078.7	1128.6	1177.5	1231.6	1282.6	1323.3
22.5°	800.0	851.6	904.6	963.3	1026.8	1087.5	1145.3	1198.4	1252.5	1308.0	1357.1
25°	782.7	829.6	892.3	958.9	1022.1	1088.1	1154.3	1220.9	1279.2	1337.8	1383.7
27.5°	753.3	812.4	870.9	939.7	1009.9	1084.4	1155.3	1225.0	1286.0	1334.3	1362.7
30°	738.3	789.6	853.2	922.2	998.2	1078.3	1152.2	1220.6	1277.5	1316.0	1327.4
32.5°	716.1	769.1	831.3	902.8	983.2	1065.5	1142.5	1206.9	1254.5	1274.6	1260.8
35°	683.1	731.0	793.8	867.0	950.7	1038.4	1114.4	1168.9	1193.2	1174.1	1126.5
37.5°	643.5	691.1	754.1	826.0	912.6	1001.7	1070.5	1109.6	1101.6	1054.2	983.3
40°	615.8	660.2	720.2	798.0	882.3	971.8	1032.2	1053.4	1031.2	963.1	887.9
42.5°	585.1	628.3	688.6	763.6	852.8	935.4	988.0	989.8	952.6	871.3	795.7
45°	538.1	579.4	636.3	714.3	796.9	874.7	909.4	892.3	823.7	745.2	669.2
47.5°	491.9	527.6	583.7	657.8	736.2	801.6	818.9	788.3	715.1	638.9	568.5
50°	458.0	494.1	546.8	617.6	693.2	749.8	758.0	717.5	645.7	569.0	513.8
52.5°	425.5	461.3	512.1	577.6	646.8	697.9	698.1	651.1	579.6	511.3	459.9
55°	377.8	410.1	455.9	514.5	576.3	616.2	606.5	557.9	495.8	436.5	391.7
57.5°	331.9	360.0	402.2	451.1	505.5	538.4	522.3	475.5	420.1	369.8	335.8
60°	302.2	328.9	365.0	411.2	456.9	482.6	467.3	425.0	374.0	333.4	303.9
62.5°	273.3	295.9	330.6	370.6	413.0	432.1	418.5	376.7	332.7	296.0	272.0
65°	232.5	250.8	278.6	313.0	343.8	360.2	348.7	309.8	276.2	249.8	230.7
67.5°	194.3	208.7	229.7	257.3	283.5	292.3	281.9	254.8	226.3	205.2	191.7
70°	167.9	181.5	199.1	220.3	243.2	252.6	242.2	220.7	197.4	178.0	164.8
72.5°	144.9	155.3	170.3	188.4	206.3	215.7	208.6	187.9	168.3	153.8	142.6
75°	110.3	119.3	129.7	142.6	156.5	162.7	156.5	142.2	128.7	118.0	109.9
77.5°	80.3	85.1	93.1	102.7	111.4	116.2	110.8	101.1	92.8	85.5	81.5
80°	61.1	64.6	70.1	77.8	83.6	88.1	84.6	76.7	70.1	65.2	63.5
82.5°	44.4	46.7	50.4	56.1	60.0	62.3	60.8	55.0	52.3	48.0	46.3
85°	21.8	23.3	25.7	27.4	30.9	31.2	31.6	29.2	26.8	25.7	24.3
87.5°	7.7	8.1	9.0	9.9	11.1	11.7	11.4	11.6	10.6	10.3	9.2
90°	1.0	1.9	2.2	2.5	2.5	4.4	4.4	5.1	5.7	5.4	5.7
92.5°	5.3	8.2	12.0	16.7	23.2	39.2	63.7	87.5	100.0	83.3	61.9
95°	11.3	14.5	18.6	26.1	39.4	66.8	118.5	193.9	256.8	264.1	233.5
97.5°	18.6	21.4	25.1	31.7	42.7	63.8	106.6	181.4	270.5	331.8	345.0
100°	24.0	26.1	30.0	35.9	46.0	64.6	100.2	164.5	253.4	334.0	380.0
102.5°	29.5	31.5	35.0	40.8	50.3	67.1	98.4	153.2	231.9	315.1	378.4
105°	37.8	39.4	43.2	48.9	58.0	73.1	99.2	143.4	206.7	280.8	352.9
107.5°	46.2	47.8	51.8	57.2	66.3	80.1	104.0	141.6	192.6	253.1	317.0
110°	52.0	53.6	57.3	63.0	71.5	85.4	107.5	142.1	187.8	239.2	295.3



TEST NUMBER: P332537-940

CATALOG NUMBER: SA4XXDIP-C575D365U940-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	57.5	59.4	62.9	68.6	77.0	90.4	111.3	143.7	185.6	231.4	279.4
115°	65.9	68.0	71.2	77.2	85.7	98.4	117.3	146.5	184.4	224.1	263.5
117.5°	74.1	76.1	79.5	85.2	94.0	105.9	123.3	149.6	184.0	220.8	255.7
120°	79.5	81.6	85.1	90.4	99.2	111.3	127.6	151.9	184.0	219.0	252.1
122.5°	84.4	86.7	89.9	95.8	104.3	116.3	131.7	154.2	183.8	217.0	249.1
125°	91.7	93.6	97.1	103.1	111.9	123.2	137.7	157.6	183.4	213.7	244.0
127.5°	97.3	99.6	103.5	109.8	118.7	129.7	142.9	160.3	182.7	209.2	237.6
130°	100.9	103.3	108.1	114.0	123.2	133.9	146.2	162.3	182.4	206.4	232.6
132.5°	103.9	107.2	111.6	118.2	126.7	137.5	149.5	164.1	182.3	203.9	227.3
135°	108.7	111.9	117.3	123.9	132.1	142.4	153.8	166.7	181.8	200.1	220.0
137.5°	113.2	116.7	121.8	128.7	136.5	146.2	156.9	168.3	181.8	196.9	213.4
140°	116.3	119.8	125.1	131.7	139.3	148.7	158.8	169.5	181.6	195.1	209.6
142.5°	119.8	123.1	128.1	134.5	141.8	151.1	160.3	170.6	181.6	193.6	206.1
145°	124.8	128.0	132.3	138.4	145.3	153.5	162.0	171.1	180.9	191.0	201.1
147.5°	129.7	132.6	137.1	142.0	148.3	156.0	163.5	171.5	179.8	188.7	197.0
150°	133.3	135.8	139.6	144.4	150.3	157.3	164.2	171.5	179.0	186.9	194.5
152.5°	136.3	138.8	142.4	146.6	152.1	158.3	164.7	170.9	177.7	184.9	191.7
155°	141.2	143.1	146.2	149.7	154.4	159.8	165.1	170.2	175.8	181.8	187.5
157.5°	145.3	147.1	149.5	152.6	156.3	160.9	165.1	169.3	173.9	178.8	183.1
160°	148.1	149.4	151.6	154.1	157.6	161.4	165.1	168.6	172.4	176.5	180.3
162.5°	150.4	151.4	153.4	155.6	158.4	161.8	165.1	167.8	170.9	174.5	177.5
165°	153.5	154.1	155.7	157.3	159.2	162.0	164.5	166.4	168.6	171.1	173.6
167.5°	156.0	156.3	157.5	158.4	159.9	161.9	163.7	164.9	166.3	168.1	170.0
170°	157.3	157.6	158.5	159.2	160.1	161.7	163.3	163.9	164.8	166.1	167.6
172.5°	158.5	158.5	159.3	159.6	160.3	161.4	162.7	162.9	163.3	164.3	165.7
175°	159.8	159.8	160.1	160.4	160.4	161.0	162.0	161.7	161.7	162.3	162.9
177.5°	160.4	160.2	160.4	160.4	160.4	160.7	161.1	160.7	160.7	161.0	161.1
180°	160.4	160.4	160.4	160.4	160.4	160.4	160.4	160.4	160.4	160.4	160.4



TEST NUMBER: P332537-940

CATALOG NUMBER: SA4XXDIP-C575D365U940-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	837.5	837.5	837.5	837.5	837.5	837.5	837.5
2.5°	882.8	883.3	885.8	887.8	888.3	891.1	891.4
5°	960.4	966.3	977.7	978.7	980.4	989.5	982.6
7.5°	1051.2	1066.2	1076.2	1085.0	1088.2	1092.2	1091.4
10°	1109.6	1131.8	1142.8	1160.6	1161.3	1165.7	1163.0
12.5°	1168.1	1193.9	1214.2	1217.5	1232.3	1234.6	1238.5
15°	1251.1	1278.5	1306.6	1316.7	1337.1	1342.0	1349.6
17.5°	1329.1	1357.1	1376.8	1402.8	1411.2	1422.5	1414.9
20°	1371.8	1402.4	1427.4	1447.8	1456.5	1462.8	1462.0
22.5°	1397.7	1428.4	1448.7	1464.2	1472.3	1475.0	1474.8
25°	1413.8	1431.6	1437.8	1443.7	1434.7	1431.6	1432.9
27.5°	1368.9	1364.2	1348.0	1326.6	1304.4	1286.7	1277.2
30°	1307.0	1279.9	1255.3	1212.3	1190.0	1176.9	1165.0
32.5°	1219.2	1176.3	1129.0	1089.6	1064.3	1044.7	1041.8
35°	1069.0	1004.4	946.5	898.2	873.3	852.1	847.2
37.5°	908.8	841.8	789.6	747.1	720.2	705.3	691.4
40°	802.5	744.9	693.6	657.5	637.0	626.2	617.6
42.5°	720.6	668.0	617.0	589.4	571.0	564.4	559.3
45°	607.5	558.6	523.2	502.4	491.6	480.5	475.3
47.5°	516.9	477.2	453.8	436.1	424.6	418.0	414.6
50°	465.6	433.0	412.1	398.7	388.3	383.0	380.2
52.5°	420.1	393.3	375.9	365.1	358.0	354.2	353.0
55°	361.9	341.4	330.3	320.9	315.8	312.3	310.9
57.5°	314.5	298.8	289.8	282.0	280.1	277.1	276.2
60°	283.5	271.3	263.7	258.5	256.7	253.2	254.0
62.5°	256.0	246.0	239.5	236.6	234.3	231.3	232.3
65°	216.5	209.2	205.7	203.0	200.2	198.5	199.8
67.5°	181.6	176.6	171.9	170.3	169.0	168.7	167.2
70°	158.9	154.7	150.6	149.5	149.5	148.1	147.8
72.5°	137.0	133.9	131.2	130.4	129.3	129.8	128.4
75°	105.8	103.3	102.4	101.3	100.9	100.9	100.0
77.5°	78.2	76.4	74.7	74.7	73.5	73.0	72.9
80°	59.3	58.7	57.2	57.2	56.5	56.9	56.2
82.5°	44.6	43.6	43.3	42.8	41.8	41.9	41.2
85°	23.9	22.9	22.6	21.5	20.8	21.5	20.8
87.5°	9.5	9.3	9.0	8.6	8.3	8.3	7.4
90°	6.0	6.3	6.3	6.6	7.0	6.6	6.6
92.5°	46.5	37.1	30.8	27.0	25.3	24.3	24.3
95°	184.7	142.4	111.9	96.4	86.7	81.0	76.9
97.5°	326.9	296.0	263.1	240.5	221.6	212.1	205.5
100°	386.4	371.0	347.6	320.2	301.0	291.5	289.0
102.5°	409.6	414.0	404.3	387.5	373.6	363.6	361.6
105°	407.5	438.7	451.7	452.3	449.7	445.3	443.4
107.5°	375.1	418.9	447.1	462.6	469.8	473.0	473.8
110°	349.8	395.6	430.2	452.5	465.8	471.4	474.3



TEST NUMBER: P332537-940

CATALOG NUMBER: SA4XXDIP-C575D365U940-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
112.5°	327.6	370.8	405.5	430.9	446.9	454.9	459.4
115°	302.2	339.1	369.3	394.2	413.1	423.3	425.8
117.5°	287.8	316.7	342.4	363.6	379.5	389.7	391.6
120°	281.4	306.7	329.0	347.0	360.9	369.1	372.6
122.5°	277.4	300.3	319.9	335.1	347.0	353.9	357.4
125°	271.0	292.7	310.1	322.7	331.9	337.9	339.7
127.5°	263.5	285.3	301.7	314.3	322.4	327.5	329.4
130°	257.5	278.9	295.6	308.5	316.4	321.5	323.3
132.5°	250.7	271.6	288.3	301.0	309.9	314.7	316.6
135°	240.5	259.7	275.4	288.0	296.9	301.9	303.8
137.5°	230.7	246.9	261.1	273.0	281.6	285.8	288.0
140°	224.4	238.5	251.8	262.9	269.7	274.2	276.7
142.5°	219.1	231.2	242.7	252.5	259.0	262.9	264.6
145°	211.8	221.2	230.1	237.9	243.3	246.5	248.0
147.5°	205.5	213.0	220.0	225.8	230.4	232.7	233.4
150°	201.7	208.0	213.7	218.7	222.8	224.7	225.0
152.5°	198.0	203.8	208.4	212.7	216.0	217.1	217.5
155°	192.5	197.2	201.1	204.2	206.7	207.7	207.7
157.5°	187.3	191.3	194.3	196.6	198.6	199.1	199.1
160°	183.7	187.2	189.8	191.6	193.5	193.9	193.9
162.5°	180.5	183.2	185.5	186.8	188.7	189.0	188.8
165°	175.6	177.7	179.3	180.6	181.8	181.6	181.2
167.5°	171.4	173.2	174.1	174.7	175.6	175.5	175.2
170°	168.6	169.9	170.9	171.5	171.7	171.5	171.5
172.5°	166.3	167.1	167.8	168.2	168.4	168.2	167.6
175°	163.3	163.9	163.9	163.9	164.5	163.9	163.3
177.5°	161.4	161.4	161.7	161.4	161.7	161.1	160.7
180°	160.4	160.4	160.4	160.4	160.4	160.4	160.4

(END OF REPORT)