

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: P331658-940

Luminaire Tested: **SA2XXRDIP-C485D725U940-4F0-1E-UDD-A1**

Issue Date: 10/7/2019

Test Information

Test Method: LM-79-08
Report Number: P331658-940
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1807-864-8,
Test Lab: INNOVATION CENTER
Issue Date: 10/7/2019
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: NEO-RAY
Catalog Number: SA2XXRDIP-C485D725U940-4F0-1E-UDD-A1
Description: DEFINE 2 DIRECT-INDIRECT PENDANT LED LUMINAIRE
DOWNLIGHT 485 LUMENS PER FOOT, ASYMMETRIC DIFFUSER, REGRESSED HOUSING
UPLIGHT 725 LUMENS PER FOOT, FLUSH SATIN WHITE DIFFUSER
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3969.1 lumens
Efficiency: N/A
Efficacy: 103.4 lumens/watt
Spacing Criteria (0/90/45): 0.86 / 1.16 / 1.02
Luminous Opening: Rectangular (W 4' x L: 0.17' x H: 0')
CIE Type: General Diffuse

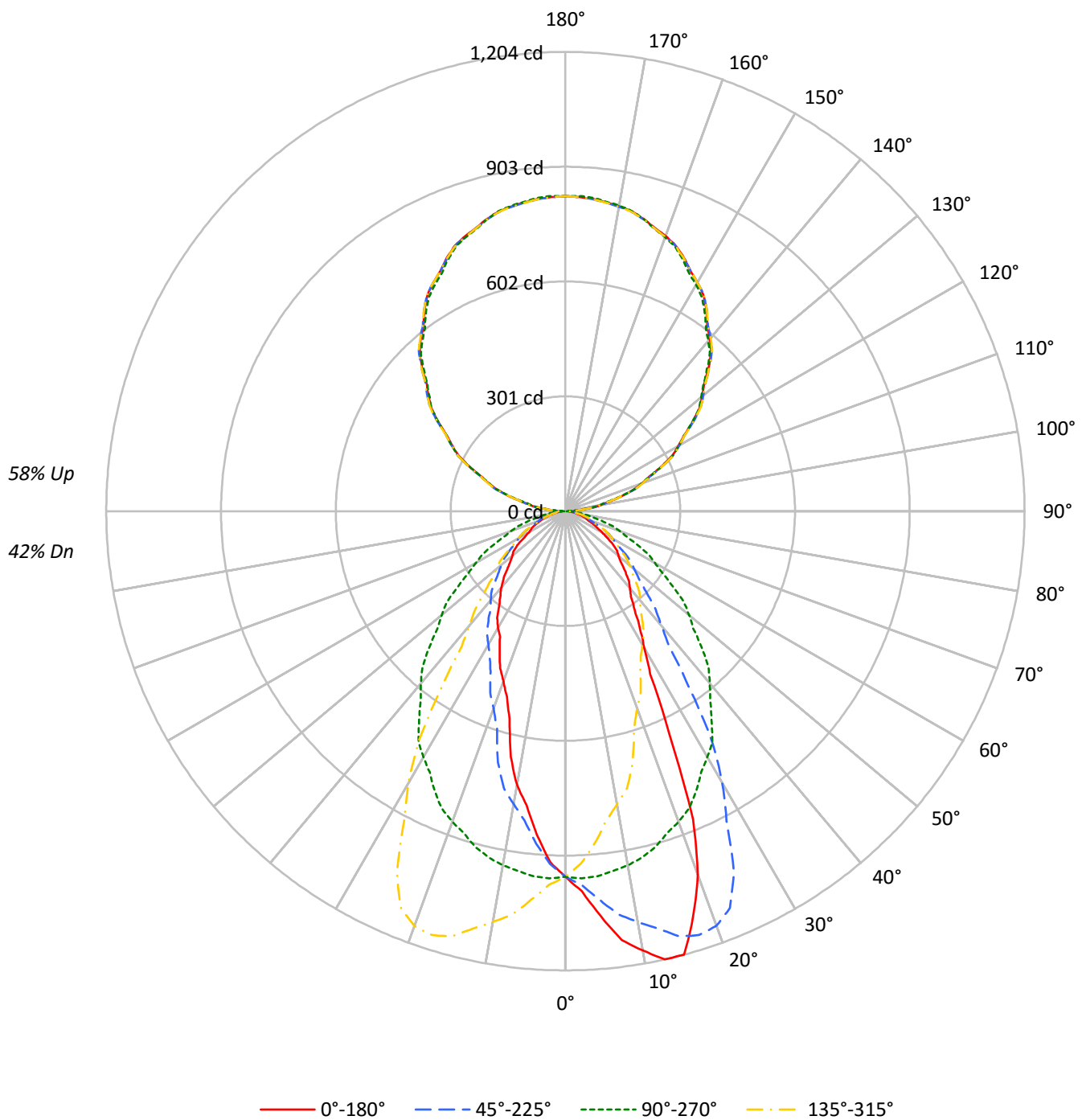
Input Watts (W): 38.4
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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				0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10
RCR																	
0	105	105	105	105	96	96	96	96	79	79	79	63	63	63	49	49	49
1	97	93	89	86	88	85	82	79	70	68	66	56	55	54	44	43	42
2	88	82	76	71	81	75	70	66	62	59	56	50	48	46	39	38	37
3	81	72	65	60	74	66	61	56	55	51	48	45	42	40	36	34	32
4	75	64	57	51	68	59	53	48	50	45	41	41	37	35	32	30	28
5	69	58	50	45	63	53	47	42	45	40	36	37	33	30	30	27	25
6	64	52	44	39	58	48	41	37	41	36	32	34	30	27	27	24	22
7	59	47	40	34	54	44	37	32	37	32	28	31	27	24	25	22	20
8	55	43	36	31	50	40	33	29	34	29	25	28	25	22	23	20	18
9	51	39	32	28	47	37	30	26	31	26	23	26	23	20	22	19	17
10	48	36	29	25	44	34	28	24	29	24	21	24	21	18	20	17	16

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	15474	15474	15474	15474
5°	17280	15571	13807	15571
10°	19174	15462	11968	15462
15°	20117	15234	9429	15234
20°	17438	14899	8158	14899
25°	11437	14439	7285	14439
30°	7700	13882	6594	13882
35°	6236	13180	5947	13180
40°	5545	12416	5503	12416
45°	5019	11520	4912	11520
50°	4567	10630	4549	10630
55°	4293	9647	4236	9647
60°	3591	8741	3549	8741
65°	3030	7939	3435	7939
70°	2799	7091	3238	7091
75°	2620	6170	2994	6170
80°	2408	5077	2659	5077
85°	2205	4020	2353	4020

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	90.8	2.3
10°-20°	253.1	6.4
20°-30°	326.2	8.2
30°-40°	310.0	7.8
40°-50°	265.6	6.7
50°-60°	202.2	5.1
60°-70°	127.8	3.2
70°-80°	63.8	1.6
80°-90°	19.9	0.5
90°-100°	52.3	1.3
100°-110°	162.5	4.1
110°-120°	277.9	7.0
120°-130°	365.4	9.2
130°-140°	410.1	10.3
140°-150°	402.1	10.1
150°-160°	337.3	8.5
160°-170°	223.7	5.6
170°-180°	78.2	2.0
0°-30°	670.2	16.9
0°-40°	980.2	24.7
0°-60°	1448.0	36.5
0°-90°	1659.6	41.8
90°-120°	492.7	12.4
90°-150°	1670.3	42.1
90°-180°	2309.0	58.2
0°-180°	3969.1	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	958	958	958	958	958	
5°	1066	961	852	961	1066	105
15°	1204	911	564	911	1204	325
25°	642	810	409	810	642	305
35°	316	669	302	669	316	202
45°	220	504	215	504	220	170
55°	152	343	150	343	152	134
65°	79	208	90	208	79	81
75°	42	99	48	99	42	45
85°	12	22	13	22	12	13
90°	24	1	24	1	24	11
95°	43	36	43	36	43	48
105°	155	150	155	150	155	163
115°	279	279	279	279	279	275
125°	407	406	407	406	407	363
135°	531	525	531	525	531	409
145°	644	637	644	637	644	402
155°	734	728	734	728	734	338
165°	793	792	793	792	793	224
175°	822	825	822	825	822	78
180°	826	826	826	826	826	

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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	958.4	958.4	958.4	958.4	958.4	958.4	958.4	958.4	958.4	958.4	958.4
2.5°	997.3	998.1	998.9	997.0	997.0	995.4	991.9	989.3	981.8	980.7	980.7
5°	1066.2	1065.6	1066.9	1062.6	1056.6	1055.3	1048.9	1040.6	1032.0	1022.3	1020.3
7.5°	1134.9	1133.9	1131.2	1130.4	1125.9	1115.8	1105.6	1094.8	1080.4	1066.3	1059.3
10°	1169.5	1180.4	1173.8	1162.2	1164.5	1148.9	1140.5	1126.2	1114.2	1093.2	1088.6
12.5°	1203.5	1207.9	1205.8	1199.2	1196.2	1185.4	1174.1	1161.6	1139.5	1120.7	1104.3
15°	1203.5	1209.8	1211.5	1209.4	1211.1	1210.4	1204.4	1194.1	1174.8	1154.1	1136.2
17.5°	1114.6	1119.0	1129.9	1137.3	1146.7	1166.4	1176.1	1179.9	1177.0	1165.2	1152.5
20°	1014.9	1007.6	1038.3	1053.9	1067.3	1100.5	1129.2	1140.1	1157.8	1157.5	1154.1
22.5°	873.8	875.5	904.6	923.1	962.1	995.3	1028.0	1069.3	1103.5	1126.1	1139.2
25°	642.0	654.7	683.7	708.9	752.2	814.2	870.5	935.8	997.3	1046.0	1092.3
27.5°	482.1	483.1	506.0	529.5	555.2	605.9	676.8	754.7	842.6	915.0	998.4
30°	413.0	410.9	420.6	434.9	456.9	496.1	549.5	626.1	713.6	822.9	920.1
32.5°	363.9	364.0	371.3	381.9	400.1	426.6	463.2	525.3	608.1	715.5	829.5
35°	316.4	316.0	321.4	329.0	336.6	353.7	378.6	411.3	468.2	568.5	685.0
37.5°	282.2	283.7	286.3	291.1	299.5	309.0	324.0	345.9	386.5	445.8	543.7
40°	263.1	263.8	267.4	271.4	276.4	283.7	296.0	313.7	343.3	390.6	462.2
42.5°	245.5	246.1	248.8	252.4	256.4	263.8	273.9	289.2	313.3	350.1	409.2
45°	219.8	219.8	222.1	223.7	228.1	234.8	243.1	255.7	272.4	299.7	339.0
47.5°	195.6	195.7	197.2	200.1	202.9	208.0	216.2	226.6	238.7	259.8	293.4
50°	181.8	182.2	183.2	185.5	187.2	191.8	198.1	207.1	219.8	236.1	264.0
52.5°	170.6	170.4	171.7	172.7	173.8	177.2	181.9	189.8	201.2	215.3	238.5
55°	152.5	151.1	153.2	154.8	155.9	157.2	159.8	164.9	174.5	186.5	203.8
57.5°	129.8	129.3	130.7	132.2	135.4	139.0	141.2	144.5	149.5	158.0	175.2
60°	111.2	111.2	114.2	115.2	118.9	123.5	128.2	130.9	135.9	141.5	154.2
62.5°	94.7	95.0	96.4	97.4	99.4	105.1	111.7	117.5	122.3	127.7	136.1
65°	79.3	79.9	79.9	80.6	81.9	83.3	85.9	90.6	98.9	106.6	112.9
67.5°	67.2	67.5	67.7	68.3	68.7	70.1	71.2	73.3	75.2	82.5	90.3
70°	59.3	60.3	59.9	60.6	60.9	61.6	63.0	63.9	67.0	68.6	73.3
72.5°	51.8	52.5	52.5	52.9	53.8	53.9	54.9	55.9	57.9	59.3	61.8
75°	42.0	41.6	42.0	42.6	43.0	43.2	43.2	44.6	45.7	47.0	48.6
77.5°	32.4	32.7	32.6	32.7	32.7	33.3	33.3	33.9	34.9	35.6	36.4
80°	25.9	26.3	25.9	26.3	26.7	26.9	26.7	26.9	28.0	28.6	28.6
82.5°	20.2	20.2	20.4	20.4	20.5	20.6	21.0	21.1	21.8	21.7	21.9
85°	11.9	11.7	11.7	11.7	11.9	12.3	11.9	11.9	12.3	12.3	12.3
87.5°	9.0	9.3	9.2	9.2	9.2	9.2	9.2	9.5	9.4	9.6	8.7
90°	23.7	23.5	23.4	23.3	23.1	23.2	23.5	23.8	24.1	24.4	21.0
92.5°	22.6	22.6	22.6	22.5	22.5	22.4	22.4	22.3	22.2	22.2	21.4
95°	43.2	43.5	43.9	44.1	44.5	44.6	44.6	44.6	44.6	44.6	44.3
97.5°	74.8	74.9	74.9	75.0	75.0	75.0	75.0	75.0	75.0	75.0	74.4
100°	95.5	95.7	95.8	95.9	96.1	96.2	96.2	96.2	96.2	96.2	95.7
102.5°	118.9	119.0	119.2	119.4	119.5	119.6	119.4	119.3	119.1	119.0	118.4
105°	154.7	154.7	154.7	154.7	154.7	154.6	154.3	154.0	153.6	153.4	153.0
107.5°	188.5	189.2	189.9	190.6	191.4	191.6	191.5	191.4	191.3	191.1	191.1
110°	214.6	215.2	215.6	216.1	216.5	216.8	216.8	216.8	216.8	216.8	216.8

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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	239.8	240.1	240.4	240.8	241.1	241.5	241.8	242.2	242.6	243.0	243.1
115°	278.8	279.3	279.7	280.2	280.6	281.0	281.2	281.2	281.4	281.6	281.9
117.5°	316.0	316.5	316.9	317.4	317.9	318.3	318.7	319.1	319.4	319.8	320.7
120°	342.2	342.7	343.1	343.6	344.1	344.3	344.3	344.3	344.3	344.3	345.5
122.5°	367.9	368.2	368.5	368.9	369.3	369.6	370.0	370.3	370.7	371.0	371.9
125°	407.1	407.2	407.3	407.5	407.7	408.0	408.4	408.9	409.4	409.8	410.3
127.5°	442.7	443.3	443.7	444.3	444.7	445.2	445.8	446.4	446.9	447.5	448.0
130°	468.4	469.0	469.7	470.2	470.8	471.4	471.6	472.0	472.3	472.6	472.9
132.5°	492.9	493.4	493.9	494.4	494.9	495.5	496.1	496.9	497.6	498.2	498.1
135°	531.1	531.5	532.1	532.5	533.0	533.2	533.4	533.6	533.8	533.9	533.6
137.5°	565.7	566.3	566.9	567.6	568.2	568.6	568.6	568.8	568.9	569.0	568.6
140°	589.7	590.3	590.9	591.6	592.1	592.5	592.5	592.5	592.5	592.5	591.7
142.5°	611.4	612.1	612.6	613.2	613.9	614.1	614.0	613.9	613.8	613.7	613.1
145°	644.0	644.6	645.2	645.9	646.5	646.8	646.6	646.4	646.3	646.1	645.2
147.5°	673.2	673.8	674.3	674.9	675.6	675.6	675.3	674.9	674.6	674.3	673.7
150°	692.1	692.6	693.0	693.5	694.0	694.0	693.5	693.0	692.6	692.1	691.5
152.5°	710.0	710.5	711.1	711.8	712.3	712.3	711.8	711.1	710.5	710.0	709.2
155°	734.0	734.4	734.9	735.3	735.8	735.7	734.9	734.1	733.3	732.5	732.1
157.5°	754.6	755.3	756.1	756.8	757.5	757.4	756.3	755.3	754.2	753.1	752.9
160°	767.4	768.0	768.7	769.3	769.9	769.7	768.8	767.9	767.0	766.0	765.9
162.5°	778.6	779.3	780.1	780.8	781.5	781.4	780.3	779.3	778.2	777.1	777.0
165°	793.2	794.0	794.7	795.5	796.3	796.1	795.0	794.0	792.9	791.8	791.8
167.5°	805.2	806.0	806.8	807.6	808.4	808.2	807.2	806.1	805.0	803.9	804.0
170°	811.3	812.3	813.2	814.1	815.0	814.9	813.9	812.8	811.7	810.6	810.7
172.5°	816.4	817.3	818.1	819.1	820.0	819.9	818.9	817.8	816.7	815.6	815.8
175°	821.8	822.7	823.6	824.6	825.5	825.4	824.3	823.2	822.2	821.1	821.4
177.5°	824.3	825.0	825.7	826.5	827.2	827.2	826.5	825.7	825.0	824.3	824.5
180°	825.9	825.9	825.9	825.9	825.9	825.9	825.9	825.9	825.9	825.9	825.9

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CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	958.4	958.4	958.4	958.4	958.4	958.4	958.4	958.4	958.4	958.4	958.4
2.5°	981.2	979.2	977.3	972.5	970.1	964.7	963.9	963.7	956.8	950.1	948.2
5°	1014.9	1009.7	1001.7	992.3	982.7	972.7	966.0	960.7	947.4	934.7	927.4
7.5°	1048.9	1037.5	1023.7	1006.0	991.3	974.8	962.6	951.5	932.6	914.5	902.3
10°	1074.2	1055.6	1037.3	1013.0	994.0	975.4	958.1	943.1	921.8	897.8	880.7
12.5°	1089.9	1069.4	1044.2	1020.5	995.9	972.1	949.0	929.7	904.7	879.9	859.7
15°	1111.3	1089.2	1058.6	1024.7	993.0	962.1	935.4	911.4	878.8	849.2	824.5
17.5°	1128.6	1098.3	1065.4	1026.2	989.5	950.2	915.9	885.2	848.9	813.2	784.2
20°	1134.2	1104.2	1066.2	1027.0	983.6	937.4	900.4	867.1	828.1	789.2	755.9
22.5°	1130.7	1107.4	1065.1	1018.2	973.8	925.4	883.7	845.0	801.8	762.1	723.4
25°	1107.2	1099.2	1059.3	1008.0	957.3	901.1	852.8	810.5	761.3	718.6	676.6
27.5°	1052.4	1069.7	1044.9	990.2	934.0	873.6	819.4	771.2	720.1	672.1	630.3
30°	999.7	1039.3	1028.6	978.0	915.1	855.8	794.9	744.6	690.0	640.7	599.4
32.5°	927.5	992.9	1003.4	961.0	895.9	830.7	766.9	716.8	659.9	607.9	567.7
35°	812.5	910.4	955.4	928.4	863.1	792.9	726.9	668.7	611.4	560.1	520.1
37.5°	675.4	808.7	883.7	885.6	825.6	752.6	680.8	622.9	564.3	514.0	470.7
40°	586.4	730.9	828.5	850.2	799.5	720.6	648.0	589.1	531.8	482.5	432.9
42.5°	506.5	650.5	770.4	808.1	767.9	689.5	616.6	555.0	499.3	452.6	402.0
45°	409.6	535.5	667.6	734.9	712.7	640.0	563.1	504.5	452.2	411.9	363.3
47.5°	345.5	434.3	562.1	653.2	652.7	586.5	510.9	454.7	406.2	368.5	329.0
50°	309.0	386.3	494.5	597.7	606.4	550.8	478.8	423.2	378.0	338.3	306.7
52.5°	276.3	339.9	437.2	536.2	560.8	512.6	442.9	391.6	347.6	311.1	284.0
55°	233.4	282.7	356.7	449.2	486.5	452.5	390.6	342.7	307.0	276.4	253.1
57.5°	197.4	234.4	293.7	368.3	411.7	390.3	339.3	300.3	269.8	242.1	223.7
60°	174.9	205.1	255.4	317.7	365.6	350.6	307.0	270.7	244.8	220.8	203.5
62.5°	153.6	179.6	222.7	273.2	317.2	310.9	275.4	244.9	222.1	200.3	185.7
65°	123.5	142.5	176.1	215.8	251.1	254.0	228.5	207.8	187.4	170.1	157.2
67.5°	98.4	110.8	134.5	167.8	194.3	203.8	188.1	172.3	156.1	142.8	131.5
70°	82.9	92.9	110.2	137.2	161.5	171.5	162.5	150.2	136.2	125.2	115.6
72.5°	67.2	77.0	89.7	109.5	130.4	141.2	138.0	129.1	117.8	108.7	99.6
75°	50.6	53.6	62.2	75.6	91.9	101.2	103.5	98.9	89.9	82.9	77.6
77.5°	37.5	39.2	43.3	50.4	61.0	69.3	72.8	72.2	66.0	62.0	57.0
80°	30.0	30.9	33.0	35.9	44.0	52.3	54.6	54.6	50.3	48.6	43.6
82.5°	22.7	23.5	24.7	26.4	30.1	37.4	39.9	40.5	37.7	35.6	31.7
85°	13.0	12.7	13.3	14.4	15.0	16.9	21.0	21.7	21.0	18.3	17.3
87.5°	8.0	7.7	7.0	6.2	6.1	6.0	6.9	7.8	7.1	6.8	6.6
90°	17.6	14.2	10.8	8.1	6.2	4.5	2.6	0.7	2.6	4.5	6.2
92.5°	20.5	19.7	18.9	17.8	16.5	15.2	13.7	12.4	13.7	15.2	16.5
95°	44.0	43.7	43.3	42.4	40.9	39.3	37.8	36.2	37.8	39.3	40.9
97.5°	73.8	73.2	72.7	71.7	70.3	68.9	67.6	66.3	67.6	68.9	70.3
100°	95.2	94.8	94.3	93.5	92.2	91.0	89.8	88.5	89.8	91.0	92.2
102.5°	117.9	117.3	116.7	115.9	114.9	114.0	112.9	111.9	112.9	114.0	114.9
105°	152.8	152.4	152.1	151.7	151.2	150.8	150.3	149.9	150.3	150.8	151.2
107.5°	191.1	191.1	191.1	190.7	190.1	189.4	188.8	188.1	188.8	189.4	190.1
110°	216.8	216.8	216.8	216.3	215.3	214.5	213.5	212.6	213.5	214.5	215.3



TEST NUMBER: P331658-940

CATALOG NUMBER: SA2XXRDIP-C485D725U940-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	243.3	243.3	243.4	243.1	242.1	241.2	240.3	239.3	240.3	241.2	242.1
115°	282.2	282.5	282.9	282.5	281.6	280.6	279.7	278.8	279.7	280.6	281.6
117.5°	321.6	322.4	323.2	323.1	321.8	320.6	319.3	318.1	319.3	320.6	321.8
120°	346.8	348.0	349.3	349.3	348.0	346.8	345.5	344.3	345.5	346.8	348.0
122.5°	372.8	373.7	374.5	374.3	372.7	371.3	369.8	368.3	369.8	371.3	372.7
125°	410.7	411.3	411.7	411.3	409.8	408.4	407.1	405.6	407.1	408.4	409.8
127.5°	448.6	449.2	449.7	449.1	447.4	445.6	443.8	442.0	443.8	445.6	447.4
130°	473.1	473.5	473.8	473.0	470.9	469.0	466.9	464.9	466.9	469.0	470.9
132.5°	498.1	498.0	497.9	497.1	495.4	493.8	492.2	490.5	492.2	493.8	495.4
135°	533.2	533.0	532.6	531.6	529.9	528.2	526.6	524.9	526.6	528.2	529.9
137.5°	568.2	567.8	567.4	566.5	565.2	563.7	562.3	561.0	562.3	563.7	565.2
140°	590.9	590.1	589.3	588.3	586.8	585.5	584.1	582.7	584.1	585.5	586.8
142.5°	612.6	612.1	611.5	610.6	609.2	607.8	606.4	605.0	606.4	607.8	609.2
145°	644.3	643.4	642.4	641.4	640.3	639.3	638.1	637.0	638.1	639.3	640.3
147.5°	673.1	672.4	671.8	670.8	669.5	668.2	666.9	665.7	666.9	668.2	669.5
150°	690.9	690.3	689.6	688.8	688.0	687.0	686.1	685.2	686.1	687.0	688.0
152.5°	708.5	707.8	706.9	706.1	705.3	704.3	703.4	702.4	703.4	704.3	705.3
155°	731.6	731.1	730.7	730.2	729.8	729.3	728.8	728.3	728.8	729.3	729.8
157.5°	752.6	752.3	752.1	751.8	751.4	751.2	750.8	750.6	750.8	751.2	751.4
160°	765.7	765.5	765.4	765.2	764.8	764.6	764.2	763.9	764.2	764.6	764.8
162.5°	776.9	776.7	776.5	776.4	776.3	776.3	776.2	776.1	776.2	776.3	776.3
165°	791.8	791.8	791.8	791.8	792.0	792.2	792.4	792.5	792.4	792.2	792.0
167.5°	804.0	804.1	804.1	804.3	804.8	805.2	805.7	806.1	805.7	805.2	804.8
170°	810.9	811.1	811.2	811.5	812.0	812.4	813.0	813.4	813.0	812.4	812.0
172.5°	815.9	816.1	816.3	816.5	817.0	817.5	818.0	818.4	818.0	817.5	817.0
175°	821.7	822.0	822.3	822.7	823.1	823.6	824.1	824.6	824.1	823.6	823.1
177.5°	824.7	825.0	825.3	825.5	825.9	826.3	826.7	827.1	826.7	826.3	825.9
180°	825.9	825.9	825.9	825.9	825.9	825.9	825.9	825.9	825.9	825.9	825.9

TEST NUMBER: P331658-940

CATALOG NUMBER: SA2XXRDIP-C485D725U940-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	958.4	958.4	958.4	958.4	958.4	958.4	958.4	958.4	958.4	958.4	958.4
2.5°	944.8	942.9	939.4	934.2	930.9	925.3	921.6	923.7	924.3	923.7	923.2
5°	919.4	912.4	902.8	893.4	884.8	875.5	870.1	867.8	863.1	860.5	859.2
7.5°	888.7	876.6	863.0	846.8	832.9	818.5	811.1	807.4	797.9	792.7	788.2
10°	865.8	846.8	833.1	811.8	798.9	779.9	766.9	767.2	754.2	746.9	741.5
12.5°	840.5	819.7	796.9	777.8	759.7	744.5	728.8	722.5	708.6	701.6	687.2
15°	798.5	774.2	750.3	724.2	706.0	682.3	659.7	632.0	609.8	590.4	585.1
17.5°	752.7	722.6	698.6	668.1	636.7	596.9	570.7	554.6	541.2	531.0	523.4
20°	721.3	690.6	665.0	619.0	576.8	549.7	530.5	518.2	504.2	493.2	487.1
22.5°	688.2	656.3	621.3	570.0	537.1	515.4	498.2	484.0	474.6	466.0	460.6
25°	641.3	606.4	548.8	513.4	486.9	464.2	452.2	443.5	433.5	421.9	416.6
27.5°	591.8	536.2	494.8	468.6	443.2	428.5	417.7	404.7	395.8	390.6	385.0
30°	554.7	499.2	466.9	438.2	420.3	403.9	391.3	384.0	375.3	366.3	362.7
32.5°	513.4	469.0	438.1	414.3	396.0	382.1	372.1	360.3	354.0	348.5	340.8
35°	462.2	428.6	400.3	380.9	363.6	352.3	340.6	333.7	322.4	317.7	314.7
37.5°	418.7	389.6	368.5	348.1	334.4	321.9	314.8	303.6	298.7	292.2	285.9
40°	394.2	365.6	345.4	328.7	313.3	304.0	295.1	286.1	278.7	275.7	268.0
42.5°	369.3	345.9	325.6	307.4	297.1	287.2	275.9	269.3	261.6	256.8	252.1
45°	334.7	314.1	296.7	281.7	270.4	260.1	252.7	241.7	237.5	227.7	223.7
47.5°	304.3	285.1	268.6	254.3	243.3	236.6	225.9	217.2	210.4	204.4	199.3
50°	282.7	266.7	250.7	238.1	228.1	218.5	207.5	203.1	192.4	189.5	186.5
52.5°	263.0	247.8	233.2	220.8	210.8	201.4	191.7	186.1	178.9	175.8	173.7
55°	235.4	220.8	206.8	195.8	185.8	176.1	170.1	163.2	159.8	157.5	154.8
57.5°	207.7	194.6	183.8	172.7	162.6	155.0	148.0	143.8	140.4	137.3	134.1
60°	190.1	177.5	167.8	157.5	147.2	140.9	135.5	130.5	126.5	121.9	120.6
62.5°	171.5	160.4	151.6	141.5	132.5	126.7	121.7	117.0	112.2	105.4	103.5
65°	145.9	137.2	127.9	119.6	111.6	105.9	98.5	93.3	91.2	90.6	90.2
67.5°	122.7	114.5	106.5	98.0	90.7	85.4	81.7	80.9	79.5	79.1	78.2
70°	107.2	99.6	91.6	83.6	76.6	75.6	74.3	72.9	71.2	70.6	69.9
72.5°	93.4	85.4	77.5	71.1	68.0	66.8	65.5	64.1	63.0	62.3	62.0
75°	71.6	64.3	58.9	56.6	54.9	53.9	52.0	50.9	50.3	49.3	49.0
77.5°	51.5	47.4	44.9	43.5	41.7	40.7	39.6	38.5	37.8	37.6	37.1
80°	39.3	37.3	35.7	33.6	33.0	31.7	31.3	30.3	30.7	29.6	29.6
82.5°	30.5	28.0	26.6	25.7	25.0	23.9	23.5	23.1	23.2	22.5	22.5
85°	15.7	15.0	14.4	13.6	13.6	12.7	13.0	12.7	12.7	11.9	11.7
87.5°	6.7	7.0	7.1	7.8	8.5	8.9	8.8	8.5	8.4	8.4	8.1
90°	8.1	10.8	14.2	17.6	21.0	24.4	24.1	23.8	23.5	23.2	23.1
92.5°	17.8	18.9	19.7	20.5	21.4	22.2	22.2	22.3	22.4	22.4	22.5
95°	42.4	43.3	43.7	44.0	44.3	44.6	44.6	44.6	44.6	44.6	44.5
97.5°	71.7	72.7	73.2	73.8	74.4	75.0	75.0	75.0	75.0	75.0	75.0
100°	93.5	94.3	94.8	95.2	95.7	96.2	96.2	96.2	96.2	96.2	96.1
102.5°	115.9	116.7	117.3	117.9	118.4	119.0	119.1	119.3	119.4	119.6	119.5
105°	151.7	152.1	152.4	152.8	153.0	153.4	153.6	154.0	154.3	154.6	154.7
107.5°	190.7	191.1	191.1	191.1	191.1	191.1	191.3	191.4	191.5	191.6	191.4
110°	216.3	216.8	216.8	216.8	216.8	216.8	216.8	216.8	216.8	216.8	216.5



TEST NUMBER: P331658-940

CATALOG NUMBER: SA2XXRDIP-C485D725U940-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	243.1	243.4	243.3	243.3	243.1	243.0	242.6	242.2	241.8	241.5	241.1
115°	282.5	282.9	282.5	282.2	281.9	281.6	281.4	281.2	281.2	281.0	280.6
117.5°	323.1	323.2	322.4	321.6	320.7	319.8	319.4	319.1	318.7	318.3	317.9
120°	349.3	349.3	348.0	346.8	345.5	344.3	344.3	344.3	344.3	344.3	344.1
122.5°	374.3	374.5	373.7	372.8	371.9	371.0	370.7	370.3	370.0	369.6	369.3
125°	411.3	411.7	411.3	410.7	410.3	409.8	409.4	408.9	408.4	408.0	407.7
127.5°	449.1	449.7	449.2	448.6	448.0	447.5	446.9	446.4	445.8	445.2	444.7
130°	473.0	473.8	473.5	473.1	472.9	472.6	472.3	472.0	471.6	471.4	470.8
132.5°	497.1	497.9	498.0	498.1	498.1	498.2	497.6	496.9	496.1	495.5	494.9
135°	531.6	532.6	533.0	533.2	533.6	533.9	533.8	533.6	533.4	533.2	533.0
137.5°	566.5	567.4	567.8	568.2	568.6	569.0	568.9	568.8	568.6	568.6	568.2
140°	588.3	589.3	590.1	590.9	591.7	592.5	592.5	592.5	592.5	592.5	592.1
142.5°	610.6	611.5	612.1	612.6	613.1	613.7	613.8	613.9	614.0	614.1	613.9
145°	641.4	642.4	643.4	644.3	645.2	646.1	646.3	646.4	646.6	646.8	646.5
147.5°	670.8	671.8	672.4	673.1	673.7	674.3	674.6	674.9	675.3	675.6	675.6
150°	688.8	689.6	690.3	690.9	691.5	692.1	692.6	693.0	693.5	694.0	694.0
152.5°	706.1	706.9	707.8	708.5	709.2	710.0	710.5	711.1	711.8	712.3	712.3
155°	730.2	730.7	731.1	731.6	732.1	732.5	733.3	734.1	734.9	735.7	735.8
157.5°	751.8	752.1	752.3	752.6	752.9	753.1	754.2	755.3	756.3	757.4	757.5
160°	765.2	765.4	765.5	765.7	765.9	766.0	767.0	767.9	768.8	769.7	769.9
162.5°	776.4	776.5	776.7	776.9	777.0	777.1	778.2	779.3	780.3	781.4	781.5
165°	791.8	791.8	791.8	791.8	791.8	791.8	792.9	794.0	795.0	796.1	796.3
167.5°	804.3	804.1	804.1	804.0	804.0	803.9	805.0	806.1	807.2	808.2	808.4
170°	811.5	811.2	811.1	810.9	810.7	810.6	811.7	812.8	813.9	814.9	815.0
172.5°	816.5	816.3	816.1	815.9	815.8	815.6	816.7	817.8	818.9	819.9	820.0
175°	822.7	822.3	822.0	821.7	821.4	821.1	822.2	823.2	824.3	825.4	825.5
177.5°	825.5	825.3	825.0	824.7	824.5	824.3	825.0	825.7	826.5	827.2	827.2
180°	825.9	825.9	825.9	825.9	825.9	825.9	825.9	825.9	825.9	825.9	825.9

TEST NUMBER: P331658-940

CATALOG NUMBER: SA2XXRDIP-C485D725U940-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	958.4	958.4	958.4	958.4	958.4	958.4	958.4	958.4	958.4	958.4	958.4
2.5°	920.2	920.8	920.0	920.5	920.0	920.8	920.2	923.2	923.7	924.3	923.7
5°	857.5	853.5	852.8	851.9	852.8	853.5	857.5	859.2	860.5	863.1	867.8
7.5°	782.5	781.9	780.2	777.8	780.2	781.9	782.5	788.2	792.7	797.9	807.4
10°	734.2	732.6	732.3	730.0	732.3	732.6	734.2	741.5	746.9	754.2	767.2
12.5°	677.8	667.1	665.9	660.1	665.9	667.1	677.8	687.2	701.6	708.6	722.5
15°	577.1	575.1	568.5	564.1	568.5	575.1	577.1	585.1	590.4	609.8	632.0
17.5°	519.5	513.0	511.0	510.1	511.0	513.0	519.5	523.4	531.0	541.2	554.6
20°	482.5	476.5	475.5	474.8	475.5	476.5	482.5	487.1	493.2	504.2	518.2
22.5°	456.9	450.7	448.1	446.1	448.1	450.7	456.9	460.6	466.0	474.6	484.0
25°	413.2	410.9	409.6	408.9	409.6	410.9	413.2	416.6	421.9	433.5	443.5
27.5°	379.1	374.0	372.9	371.2	372.9	374.0	379.1	385.0	390.6	395.8	404.7
30°	359.6	357.9	355.6	353.7	355.6	357.9	359.6	362.7	366.3	375.3	384.0
32.5°	336.7	335.4	333.2	332.3	333.2	335.4	336.7	340.8	348.5	354.0	360.3
35°	311.4	306.7	304.7	301.7	304.7	306.7	311.4	314.7	317.7	322.4	333.7
37.5°	284.5	282.0	279.3	280.3	279.3	282.0	284.5	285.9	292.2	298.7	303.6
40°	263.8	262.1	261.4	261.1	261.4	262.1	263.8	268.0	275.7	278.7	286.1
42.5°	247.2	242.6	240.9	240.9	240.9	242.6	247.2	252.1	256.8	261.6	269.3
45°	222.1	217.8	214.8	215.1	214.8	217.8	222.1	223.7	227.7	237.5	241.7
47.5°	196.4	196.3	194.4	195.0	194.4	196.3	196.4	199.3	204.4	210.4	217.2
50°	184.1	182.2	180.8	181.1	180.8	182.2	184.1	186.5	189.5	192.4	203.1
52.5°	172.5	170.7	169.6	171.0	169.6	170.7	172.5	173.7	175.8	178.9	186.1
55°	153.2	151.1	150.9	150.5	150.9	151.1	153.2	154.8	157.5	159.8	163.2
57.5°	131.7	130.4	128.3	127.5	128.3	130.4	131.7	134.1	137.3	140.4	143.8
60°	116.2	113.5	110.2	109.9	110.2	113.5	116.2	120.6	121.9	126.5	130.5
62.5°	102.1	101.6	100.9	100.9	100.9	101.6	102.1	103.5	105.4	112.2	117.0
65°	89.6	89.3	89.6	89.9	89.6	89.3	89.6	90.2	90.6	91.2	93.3
67.5°	78.0	77.5	76.9	77.1	76.9	77.5	78.0	78.2	79.1	79.5	80.9
70°	69.3	68.9	68.6	68.6	68.6	68.9	69.3	69.9	70.6	71.2	72.9
72.5°	60.7	60.6	60.4	60.1	60.4	60.6	60.7	62.0	62.3	63.0	64.1
75°	48.6	48.0	48.0	48.0	48.0	48.0	48.6	49.0	49.3	50.3	50.9
77.5°	37.0	36.7	36.4	36.1	36.4	36.7	37.0	37.1	37.6	37.8	38.5
80°	29.3	29.0	28.6	28.6	28.6	29.0	29.3	29.6	29.6	30.7	30.3
82.5°	22.4	22.0	21.9	21.7	21.9	22.0	22.4	22.5	22.5	23.2	23.1
85°	11.9	12.3	11.9	12.7	11.9	12.3	11.9	11.7	11.9	12.7	12.7
87.5°	8.1	7.8	8.2	7.9	8.2	7.8	8.1	8.1	8.4	8.4	8.5
90°	23.3	23.4	23.5	23.7	23.5	23.4	23.3	23.1	23.2	23.5	23.8
92.5°	22.5	22.6	22.6	22.6	22.6	22.6	22.5	22.5	22.4	22.4	22.3
95°	44.1	43.9	43.5	43.2	43.5	43.9	44.1	44.5	44.6	44.6	44.6
97.5°	75.0	74.9	74.9	74.8	74.9	74.9	75.0	75.0	75.0	75.0	75.0
100°	95.9	95.8	95.7	95.5	95.7	95.8	95.9	96.1	96.2	96.2	96.2
102.5°	119.4	119.2	119.0	118.9	119.0	119.2	119.4	119.5	119.6	119.4	119.3
105°	154.7	154.7	154.7	154.7	154.7	154.7	154.7	154.7	154.6	154.3	154.0
107.5°	190.6	189.9	189.2	188.5	189.2	189.9	190.6	191.4	191.6	191.5	191.4
110°	216.1	215.6	215.2	214.6	215.2	215.6	216.1	216.5	216.8	216.8	216.8

TEST NUMBER: P331658-940

CATALOG NUMBER: SA2XXRDIP-C485D725U940-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	240.8	240.4	240.1	239.8	240.1	240.4	240.8	241.1	241.5	241.8	242.2
115°	280.2	279.7	279.3	278.8	279.3	279.7	280.2	280.6	281.0	281.2	281.2
117.5°	317.4	316.9	316.5	316.0	316.5	316.9	317.4	317.9	318.3	318.7	319.1
120°	343.6	343.1	342.7	342.2	342.7	343.1	343.6	344.1	344.3	344.3	344.3
122.5°	368.9	368.5	368.2	367.9	368.2	368.5	368.9	369.3	369.6	370.0	370.3
125°	407.5	407.3	407.2	407.1	407.2	407.3	407.5	407.7	408.0	408.4	408.9
127.5°	444.3	443.7	443.3	442.7	443.3	443.7	444.3	444.7	445.2	445.8	446.4
130°	470.2	469.7	469.0	468.4	469.0	469.7	470.2	470.8	471.4	471.6	472.0
132.5°	494.4	493.9	493.4	492.9	493.4	493.9	494.4	494.9	495.5	496.1	496.9
135°	532.5	532.1	531.5	531.1	531.5	532.1	532.5	533.0	533.2	533.4	533.6
137.5°	567.6	566.9	566.3	565.7	566.3	566.9	567.6	568.2	568.6	568.6	568.8
140°	591.6	590.9	590.3	589.7	590.3	590.9	591.6	592.1	592.5	592.5	592.5
142.5°	613.2	612.6	612.1	611.4	612.1	612.6	613.2	613.9	614.1	614.0	613.9
145°	645.9	645.2	644.6	644.0	644.6	645.2	645.9	646.5	646.8	646.6	646.4
147.5°	674.9	674.3	673.8	673.2	673.8	674.3	674.9	675.6	675.6	675.3	674.9
150°	693.5	693.0	692.6	692.1	692.6	693.0	693.5	694.0	694.0	693.5	693.0
152.5°	711.8	711.1	710.5	710.0	710.5	711.1	711.8	712.3	712.3	711.8	711.1
155°	735.3	734.9	734.4	734.0	734.4	734.9	735.3	735.8	735.7	734.9	734.1
157.5°	756.8	756.1	755.3	754.6	755.3	756.1	756.8	757.5	757.4	756.3	755.3
160°	769.3	768.7	768.0	767.4	768.0	768.7	769.3	769.9	769.7	768.8	767.9
162.5°	780.8	780.1	779.3	778.6	779.3	780.1	780.8	781.5	781.4	780.3	779.3
165°	795.5	794.7	794.0	793.2	794.0	794.7	795.5	796.3	796.1	795.0	794.0
167.5°	807.6	806.8	806.0	805.2	806.0	806.8	807.6	808.4	808.2	807.2	806.1
170°	814.1	813.2	812.3	811.3	812.3	813.2	814.1	815.0	814.9	813.9	812.8
172.5°	819.1	818.1	817.3	816.4	817.3	818.1	819.1	820.0	819.9	818.9	817.8
175°	824.6	823.6	822.7	821.8	822.7	823.6	824.6	825.5	825.4	824.3	823.2
177.5°	826.5	825.7	825.0	824.3	825.0	825.7	826.5	827.2	827.2	826.5	825.7
180°	825.9	825.9	825.9	825.9	825.9	825.9	825.9	825.9	825.9	825.9	825.9

TEST NUMBER: P331658-940

CATALOG NUMBER: SA2XXRDIP-C485D725U940-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	958.4	958.4	958.4	958.4	958.4	958.4	958.4	958.4	958.4	958.4	958.4
2.5°	921.6	925.3	930.9	934.2	939.4	942.9	944.8	948.2	950.1	956.8	963.7
5°	870.1	875.5	884.8	893.4	902.8	912.4	919.4	927.4	934.7	947.4	960.7
7.5°	811.1	818.5	832.9	846.8	863.0	876.6	888.7	902.3	914.5	932.6	951.5
10°	766.9	779.9	798.9	811.8	833.1	846.8	865.8	880.7	897.8	921.8	943.1
12.5°	728.8	744.5	759.7	777.8	796.9	819.7	840.5	859.7	879.9	904.7	929.7
15°	659.7	682.3	706.0	724.2	750.3	774.2	798.5	824.5	849.2	878.8	911.4
17.5°	570.7	596.9	636.7	668.1	698.6	722.6	752.7	784.2	813.2	848.9	885.2
20°	530.5	549.7	576.8	619.0	665.0	690.6	721.3	755.9	789.2	828.1	867.1
22.5°	498.2	515.4	537.1	570.0	621.3	656.3	688.2	723.4	762.1	801.8	845.0
25°	452.2	464.2	486.9	513.4	548.8	606.4	641.3	676.6	718.6	761.3	810.5
27.5°	417.7	428.5	443.2	468.6	494.8	536.2	591.8	630.3	672.1	720.1	771.2
30°	391.3	403.9	420.3	438.2	466.9	499.2	554.7	599.4	640.7	690.0	744.6
32.5°	372.1	382.1	396.0	414.3	438.1	469.0	513.4	567.7	607.9	659.9	716.8
35°	340.6	352.3	363.6	380.9	400.3	428.6	462.2	520.1	560.1	611.4	668.7
37.5°	314.8	321.9	334.4	348.1	368.5	389.6	418.7	470.7	514.0	564.3	622.9
40°	295.1	304.0	313.3	328.7	345.4	365.6	394.2	432.9	482.5	531.8	589.1
42.5°	275.9	287.2	297.1	307.4	325.6	345.9	369.3	402.0	452.6	499.3	555.0
45°	252.7	260.1	270.4	281.7	296.7	314.1	334.7	363.3	411.9	452.2	504.5
47.5°	225.9	236.6	243.3	254.3	268.6	285.1	304.3	329.0	368.5	406.2	454.7
50°	207.5	218.5	228.1	238.1	250.7	266.7	282.7	306.7	338.3	378.0	423.2
52.5°	191.7	201.4	210.8	220.8	233.2	247.8	263.0	284.0	311.1	347.6	391.6
55°	170.1	176.1	185.8	195.8	206.8	220.8	235.4	253.1	276.4	307.0	342.7
57.5°	148.0	155.0	162.6	172.7	183.8	194.6	207.7	223.7	242.1	269.8	300.3
60°	135.5	140.9	147.2	157.5	167.8	177.5	190.1	203.5	220.8	244.8	270.7
62.5°	121.7	126.7	132.5	141.5	151.6	160.4	171.5	185.7	200.3	222.1	244.9
65°	98.5	105.9	111.6	119.6	127.9	137.2	145.9	157.2	170.1	187.4	207.8
67.5°	81.7	85.4	90.7	98.0	106.5	114.5	122.7	131.5	142.8	156.1	172.3
70°	74.3	75.6	76.6	83.6	91.6	99.6	107.2	115.6	125.2	136.2	150.2
72.5°	65.5	66.8	68.0	71.1	77.5	85.4	93.4	99.6	108.7	117.8	129.1
75°	52.0	53.9	54.9	56.6	58.9	64.3	71.6	77.6	82.9	89.9	98.9
77.5°	39.6	40.7	41.7	43.5	44.9	47.4	51.5	57.0	62.0	66.0	72.2
80°	31.3	31.7	33.0	33.6	35.7	37.3	39.3	43.6	48.6	50.3	54.6
82.5°	23.5	23.9	25.0	25.7	26.6	28.0	30.5	31.7	35.6	37.7	40.5
85°	13.0	12.7	13.6	13.6	14.4	15.0	15.7	17.3	18.3	21.0	21.7
87.5°	8.8	8.9	8.5	7.8	7.1	7.0	6.7	6.6	6.8	7.1	7.8
90°	24.1	24.4	21.0	17.6	14.2	10.8	8.1	6.2	4.5	2.6	0.7
92.5°	22.2	22.2	21.4	20.5	19.7	18.9	17.8	16.5	15.2	13.7	12.4
95°	44.6	44.6	44.3	44.0	43.7	43.3	42.4	40.9	39.3	37.8	36.2
97.5°	75.0	75.0	74.4	73.8	73.2	72.7	71.7	70.3	68.9	67.6	66.3
100°	96.2	96.2	95.7	95.2	94.8	94.3	93.5	92.2	91.0	89.8	88.5
102.5°	119.1	119.0	118.4	117.9	117.3	116.7	115.9	114.9	114.0	112.9	111.9
105°	153.6	153.4	153.0	152.8	152.4	152.1	151.7	151.2	150.8	150.3	149.9
107.5°	191.3	191.1	191.1	191.1	191.1	191.1	190.7	190.1	189.4	188.8	188.1
110°	216.8	216.8	216.8	216.8	216.8	216.8	216.3	215.3	214.5	213.5	212.6



TEST NUMBER: P331658-940

CATALOG NUMBER: SA2XXRDIP-C485D725U940-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	242.6	243.0	243.1	243.3	243.3	243.4	243.1	242.1	241.2	240.3	239.3
115°	281.4	281.6	281.9	282.2	282.5	282.9	282.5	281.6	280.6	279.7	278.8
117.5°	319.4	319.8	320.7	321.6	322.4	323.2	323.1	321.8	320.6	319.3	318.1
120°	344.3	344.3	345.5	346.8	348.0	349.3	349.3	348.0	346.8	345.5	344.3
122.5°	370.7	371.0	371.9	372.8	373.7	374.5	374.3	372.7	371.3	369.8	368.3
125°	409.4	409.8	410.3	410.7	411.3	411.7	411.3	409.8	408.4	407.1	405.6
127.5°	446.9	447.5	448.0	448.6	449.2	449.7	449.1	447.4	445.6	443.8	442.0
130°	472.3	472.6	472.9	473.1	473.5	473.8	473.0	470.9	469.0	466.9	464.9
132.5°	497.6	498.2	498.1	498.1	498.0	497.9	497.1	495.4	493.8	492.2	490.5
135°	533.8	533.9	533.6	533.2	533.0	532.6	531.6	529.9	528.2	526.6	524.9
137.5°	568.9	569.0	568.6	568.2	567.8	567.4	566.5	565.2	563.7	562.3	561.0
140°	592.5	592.5	591.7	590.9	590.1	589.3	588.3	586.8	585.5	584.1	582.7
142.5°	613.8	613.7	613.1	612.6	612.1	611.5	610.6	609.2	607.8	606.4	605.0
145°	646.3	646.1	645.2	644.3	643.4	642.4	641.4	640.3	639.3	638.1	637.0
147.5°	674.6	674.3	673.7	673.1	672.4	671.8	670.8	669.5	668.2	666.9	665.7
150°	692.6	692.1	691.5	690.9	690.3	689.6	688.8	688.0	687.0	686.1	685.2
152.5°	710.5	710.0	709.2	708.5	707.8	706.9	706.1	705.3	704.3	703.4	702.4
155°	733.3	732.5	732.1	731.6	731.1	730.7	730.2	729.8	729.3	728.8	728.3
157.5°	754.2	753.1	752.9	752.6	752.3	752.1	751.8	751.4	751.2	750.8	750.6
160°	767.0	766.0	765.9	765.7	765.5	765.4	765.2	764.8	764.6	764.2	763.9
162.5°	778.2	777.1	777.0	776.9	776.7	776.5	776.4	776.3	776.3	776.2	776.1
165°	792.9	791.8	791.8	791.8	791.8	791.8	791.8	792.0	792.2	792.4	792.5
167.5°	805.0	803.9	804.0	804.0	804.1	804.1	804.3	804.8	805.2	805.7	806.1
170°	811.7	810.6	810.7	810.9	811.1	811.2	811.5	812.0	812.4	813.0	813.4
172.5°	816.7	815.6	815.8	815.9	816.1	816.3	816.5	817.0	817.5	818.0	818.4
175°	822.2	821.1	821.4	821.7	822.0	822.3	822.7	823.1	823.6	824.1	824.6
177.5°	825.0	824.3	824.5	824.7	825.0	825.3	825.5	825.9	826.3	826.7	827.1
180°	825.9	825.9	825.9	825.9	825.9	825.9	825.9	825.9	825.9	825.9	825.9

TEST NUMBER: P331658-940

CATALOG NUMBER: SA2XXRDIP-C485D725U940-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	958.4	958.4	958.4	958.4	958.4	958.4	958.4	958.4	958.4	958.4	958.4
2.5°	963.9	964.7	970.1	972.5	977.3	979.2	981.2	980.7	980.7	981.8	989.3
5°	966.0	972.7	982.7	992.3	1001.7	1009.7	1014.9	1020.3	1022.3	1032.0	1040.6
7.5°	962.6	974.8	991.3	1006.0	1023.7	1037.5	1048.9	1059.3	1066.3	1080.4	1094.8
10°	958.1	975.4	994.0	1013.0	1037.3	1055.6	1074.2	1088.6	1093.2	1114.2	1126.2
12.5°	949.0	972.1	995.9	1020.5	1044.2	1069.4	1089.9	1104.3	1120.7	1139.5	1161.6
15°	935.4	962.1	993.0	1024.7	1058.6	1089.2	1111.3	1136.2	1154.1	1174.8	1194.1
17.5°	915.9	950.2	989.5	1026.2	1065.4	1098.3	1128.6	1152.5	1165.2	1177.0	1179.9
20°	900.4	937.4	983.6	1027.0	1066.2	1104.2	1134.2	1154.1	1157.5	1157.8	1140.1
22.5°	883.7	925.4	973.8	1018.2	1065.1	1107.4	1130.7	1139.2	1126.1	1103.5	1069.3
25°	852.8	901.1	957.3	1008.0	1059.3	1099.2	1107.2	1092.3	1046.0	997.3	935.8
27.5°	819.4	873.6	934.0	990.2	1044.9	1069.7	1052.4	998.4	915.0	842.6	754.7
30°	794.9	855.8	915.1	978.0	1028.6	1039.3	999.7	920.1	822.9	713.6	626.1
32.5°	766.9	830.7	895.9	961.0	1003.4	992.9	927.5	829.5	715.5	608.1	525.3
35°	726.9	792.9	863.1	928.4	955.4	910.4	812.5	685.0	568.5	468.2	411.3
37.5°	680.8	752.6	825.6	885.6	883.7	808.7	675.4	543.7	445.8	386.5	345.9
40°	648.0	720.6	799.5	850.2	828.5	730.9	586.4	462.2	390.6	343.3	313.7
42.5°	616.6	689.5	767.9	808.1	770.4	650.5	506.5	409.2	350.1	313.3	289.2
45°	563.1	640.0	712.7	734.9	667.6	535.5	409.6	339.0	299.7	272.4	255.7
47.5°	510.9	586.5	652.7	653.2	562.1	434.3	345.5	293.4	259.8	238.7	226.6
50°	478.8	550.8	606.4	597.7	494.5	386.3	309.0	264.0	236.1	219.8	207.1
52.5°	442.9	512.6	560.8	536.2	437.2	339.9	276.3	238.5	215.3	201.2	189.8
55°	390.6	452.5	486.5	449.2	356.7	282.7	233.4	203.8	186.5	174.5	164.9
57.5°	339.3	390.3	411.7	368.3	293.7	234.4	197.4	175.2	158.0	149.5	144.5
60°	307.0	350.6	365.6	317.7	255.4	205.1	174.9	154.2	141.5	135.9	130.9
62.5°	275.4	310.9	317.2	273.2	222.7	179.6	153.6	136.1	127.7	122.3	117.5
65°	228.5	254.0	251.1	215.8	176.1	142.5	123.5	112.9	106.6	98.9	90.6
67.5°	188.1	203.8	194.3	167.8	134.5	110.8	98.4	90.3	82.5	75.2	73.3
70°	162.5	171.5	161.5	137.2	110.2	92.9	82.9	73.3	68.6	67.0	63.9
72.5°	138.0	141.2	130.4	109.5	89.7	77.0	67.2	61.8	59.3	57.9	55.9
75°	103.5	101.2	91.9	75.6	62.2	53.6	50.6	48.6	47.0	45.7	44.6
77.5°	72.8	69.3	61.0	50.4	43.3	39.2	37.5	36.4	35.6	34.9	33.9
80°	54.6	52.3	44.0	35.9	33.0	30.9	30.0	28.6	28.6	28.0	26.9
82.5°	39.9	37.4	30.1	26.4	24.7	23.5	22.7	21.9	21.7	21.8	21.1
85°	21.0	16.9	15.0	14.4	13.3	12.7	13.0	12.3	12.3	12.3	11.9
87.5°	6.9	6.0	6.1	6.2	7.0	7.7	8.0	8.7	9.6	9.4	9.5
90°	2.6	4.5	6.2	8.1	10.8	14.2	17.6	21.0	24.4	24.1	23.8
92.5°	13.7	15.2	16.5	17.8	18.9	19.7	20.5	21.4	22.2	22.2	22.3
95°	37.8	39.3	40.9	42.4	43.3	43.7	44.0	44.3	44.6	44.6	44.6
97.5°	67.6	68.9	70.3	71.7	72.7	73.2	73.8	74.4	75.0	75.0	75.0
100°	89.8	91.0	92.2	93.5	94.3	94.8	95.2	95.7	96.2	96.2	96.2
102.5°	112.9	114.0	114.9	115.9	116.7	117.3	117.9	118.4	119.0	119.1	119.3
105°	150.3	150.8	151.2	151.7	152.1	152.4	152.8	153.0	153.4	153.6	154.0
107.5°	188.8	189.4	190.1	190.7	191.1	191.1	191.1	191.1	191.1	191.3	191.4
110°	213.5	214.5	215.3	216.3	216.8	216.8	216.8	216.8	216.8	216.8	216.8

TEST NUMBER: P331658-940

CATALOG NUMBER: SA2XXRDIP-C485D725U940-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	240.3	241.2	242.1	243.1	243.4	243.3	243.3	243.1	243.0	242.6	242.2
115°	279.7	280.6	281.6	282.5	282.9	282.5	282.2	281.9	281.6	281.4	281.2
117.5°	319.3	320.6	321.8	323.1	323.2	322.4	321.6	320.7	319.8	319.4	319.1
120°	345.5	346.8	348.0	349.3	349.3	348.0	346.8	345.5	344.3	344.3	344.3
122.5°	369.8	371.3	372.7	374.3	374.5	373.7	372.8	371.9	371.0	370.7	370.3
125°	407.1	408.4	409.8	411.3	411.7	411.3	410.7	410.3	409.8	409.4	408.9
127.5°	443.8	445.6	447.4	449.1	449.7	449.2	448.6	448.0	447.5	446.9	446.4
130°	466.9	469.0	470.9	473.0	473.8	473.5	473.1	472.9	472.6	472.3	472.0
132.5°	492.2	493.8	495.4	497.1	497.9	498.0	498.1	498.1	498.2	497.6	496.9
135°	526.6	528.2	529.9	531.6	532.6	533.0	533.2	533.6	533.9	533.8	533.6
137.5°	562.3	563.7	565.2	566.5	567.4	567.8	568.2	568.6	569.0	568.9	568.8
140°	584.1	585.5	586.8	588.3	589.3	590.1	590.9	591.7	592.5	592.5	592.5
142.5°	606.4	607.8	609.2	610.6	611.5	612.1	612.6	613.1	613.7	613.8	613.9
145°	638.1	639.3	640.3	641.4	642.4	643.4	644.3	645.2	646.1	646.3	646.4
147.5°	666.9	668.2	669.5	670.8	671.8	672.4	673.1	673.7	674.3	674.6	674.9
150°	686.1	687.0	688.0	688.8	689.6	690.3	690.9	691.5	692.1	692.6	693.0
152.5°	703.4	704.3	705.3	706.1	706.9	707.8	708.5	709.2	710.0	710.5	711.1
155°	728.8	729.3	729.8	730.2	730.7	731.1	731.6	732.1	732.5	733.3	734.1
157.5°	750.8	751.2	751.4	751.8	752.1	752.3	752.6	752.9	753.1	754.2	755.3
160°	764.2	764.6	764.8	765.2	765.4	765.5	765.7	765.9	766.0	767.0	767.9
162.5°	776.2	776.3	776.3	776.4	776.5	776.7	776.9	777.0	777.1	778.2	779.3
165°	792.4	792.2	792.0	791.8	791.8	791.8	791.8	791.8	791.8	792.9	794.0
167.5°	805.7	805.2	804.8	804.3	804.1	804.1	804.0	804.0	803.9	805.0	806.1
170°	813.0	812.4	812.0	811.5	811.2	811.1	810.9	810.7	810.6	811.7	812.8
172.5°	818.0	817.5	817.0	816.5	816.3	816.1	815.9	815.8	815.6	816.7	817.8
175°	824.1	823.6	823.1	822.7	822.3	822.0	821.7	821.4	821.1	822.2	823.2
177.5°	826.7	826.3	825.9	825.5	825.3	825.0	824.7	824.5	824.3	825.0	825.7
180°	825.9	825.9	825.9	825.9	825.9	825.9	825.9	825.9	825.9	825.9	825.9

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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	958.4	958.4	958.4	958.4	958.4	958.4	958.4
2.5°	991.9	995.4	997.0	997.0	998.9	998.1	997.3
5°	1048.9	1055.3	1056.6	1062.6	1066.9	1065.6	1066.2
7.5°	1105.6	1115.8	1125.9	1130.4	1131.2	1133.9	1134.9
10°	1140.5	1148.9	1164.5	1162.2	1173.8	1180.4	1169.5
12.5°	1174.1	1185.4	1196.2	1199.2	1205.8	1207.9	1203.5
15°	1204.4	1210.4	1211.1	1209.4	1211.5	1209.8	1203.5
17.5°	1176.1	1166.4	1146.7	1137.3	1129.9	1119.0	1114.6
20°	1129.2	1100.5	1067.3	1053.9	1038.3	1007.6	1014.9
22.5°	1028.0	995.3	962.1	923.1	904.6	875.5	873.8
25°	870.5	814.2	752.2	708.9	683.7	654.7	642.0
27.5°	676.8	605.9	555.2	529.5	506.0	483.1	482.1
30°	549.5	496.1	456.9	434.9	420.6	410.9	413.0
32.5°	463.2	426.6	400.1	381.9	371.3	364.0	363.9
35°	378.6	353.7	336.6	329.0	321.4	316.0	316.4
37.5°	324.0	309.0	299.5	291.1	286.3	283.7	282.2
40°	296.0	283.7	276.4	271.4	267.4	263.8	263.1
42.5°	273.9	263.8	256.4	252.4	248.8	246.1	245.5
45°	243.1	234.8	228.1	223.7	222.1	219.8	219.8
47.5°	216.2	208.0	202.9	200.1	197.2	195.7	195.6
50°	198.1	191.8	187.2	185.5	183.2	182.2	181.8
52.5°	181.9	177.2	173.8	172.7	171.7	170.4	170.6
55°	159.8	157.2	155.9	154.8	153.2	151.1	152.5
57.5°	141.2	139.0	135.4	132.2	130.7	129.3	129.8
60°	128.2	123.5	118.9	115.2	114.2	111.2	111.2
62.5°	111.7	105.1	99.4	97.4	96.4	95.0	94.7
65°	85.9	83.3	81.9	80.6	79.9	79.9	79.3
67.5°	71.2	70.1	68.7	68.3	67.7	67.5	67.2
70°	63.0	61.6	60.9	60.6	59.9	60.3	59.3
72.5°	54.9	53.9	53.8	52.9	52.5	52.5	51.8
75°	43.2	43.2	43.0	42.6	42.0	41.6	42.0
77.5°	33.3	33.3	32.7	32.7	32.6	32.7	32.4
80°	26.7	26.9	26.7	26.3	25.9	26.3	25.9
82.5°	21.0	20.6	20.5	20.4	20.4	20.2	20.2
85°	11.9	12.3	11.9	11.7	11.7	11.7	11.9
87.5°	9.2	9.2	9.2	9.2	9.2	9.3	9.0
90°	23.5	23.2	23.1	23.3	23.4	23.5	23.7
92.5°	22.4	22.4	22.5	22.5	22.6	22.6	22.6
95°	44.6	44.6	44.5	44.1	43.9	43.5	43.2
97.5°	75.0	75.0	75.0	75.0	74.9	74.9	74.8
100°	96.2	96.2	96.1	95.9	95.8	95.7	95.5
102.5°	119.4	119.6	119.5	119.4	119.2	119.0	118.9
105°	154.3	154.6	154.7	154.7	154.7	154.7	154.7
107.5°	191.5	191.6	191.4	190.6	189.9	189.2	188.5
110°	216.8	216.8	216.5	216.1	215.6	215.2	214.6

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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
112.5°	241.8	241.5	241.1	240.8	240.4	240.1	239.8
115°	281.2	281.0	280.6	280.2	279.7	279.3	278.8
117.5°	318.7	318.3	317.9	317.4	316.9	316.5	316.0
120°	344.3	344.3	344.1	343.6	343.1	342.7	342.2
122.5°	370.0	369.6	369.3	368.9	368.5	368.2	367.9
125°	408.4	408.0	407.7	407.5	407.3	407.2	407.1
127.5°	445.8	445.2	444.7	444.3	443.7	443.3	442.7
130°	471.6	471.4	470.8	470.2	469.7	469.0	468.4
132.5°	496.1	495.5	494.9	494.4	493.9	493.4	492.9
135°	533.4	533.2	533.0	532.5	532.1	531.5	531.1
137.5°	568.6	568.6	568.2	567.6	566.9	566.3	565.7
140°	592.5	592.5	592.1	591.6	590.9	590.3	589.7
142.5°	614.0	614.1	613.9	613.2	612.6	612.1	611.4
145°	646.6	646.8	646.5	645.9	645.2	644.6	644.0
147.5°	675.3	675.6	675.6	674.9	674.3	673.8	673.2
150°	693.5	694.0	694.0	693.5	693.0	692.6	692.1
152.5°	711.8	712.3	712.3	711.8	711.1	710.5	710.0
155°	734.9	735.7	735.8	735.3	734.9	734.4	734.0
157.5°	756.3	757.4	757.5	756.8	756.1	755.3	754.6
160°	768.8	769.7	769.9	769.3	768.7	768.0	767.4
162.5°	780.3	781.4	781.5	780.8	780.1	779.3	778.6
165°	795.0	796.1	796.3	795.5	794.7	794.0	793.2
167.5°	807.2	808.2	808.4	807.6	806.8	806.0	805.2
170°	813.9	814.9	815.0	814.1	813.2	812.3	811.3
172.5°	818.9	819.9	820.0	819.1	818.1	817.3	816.4
175°	824.3	825.4	825.5	824.6	823.6	822.7	821.8
177.5°	826.5	827.2	827.2	826.5	825.7	825.0	824.3
180°	825.9	825.9	825.9	825.9	825.9	825.9	825.9

(END OF REPORT)