

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: P331658-840

Luminaire Tested: **SA2XXRDIP-C485D725U840-4F0-1E-UDD-A1**

Issue Date: 10/7/2019

Test Information

Test Method: LM-79-08
Report Number: P331658-840
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-C485D725U840-4F0-1E-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

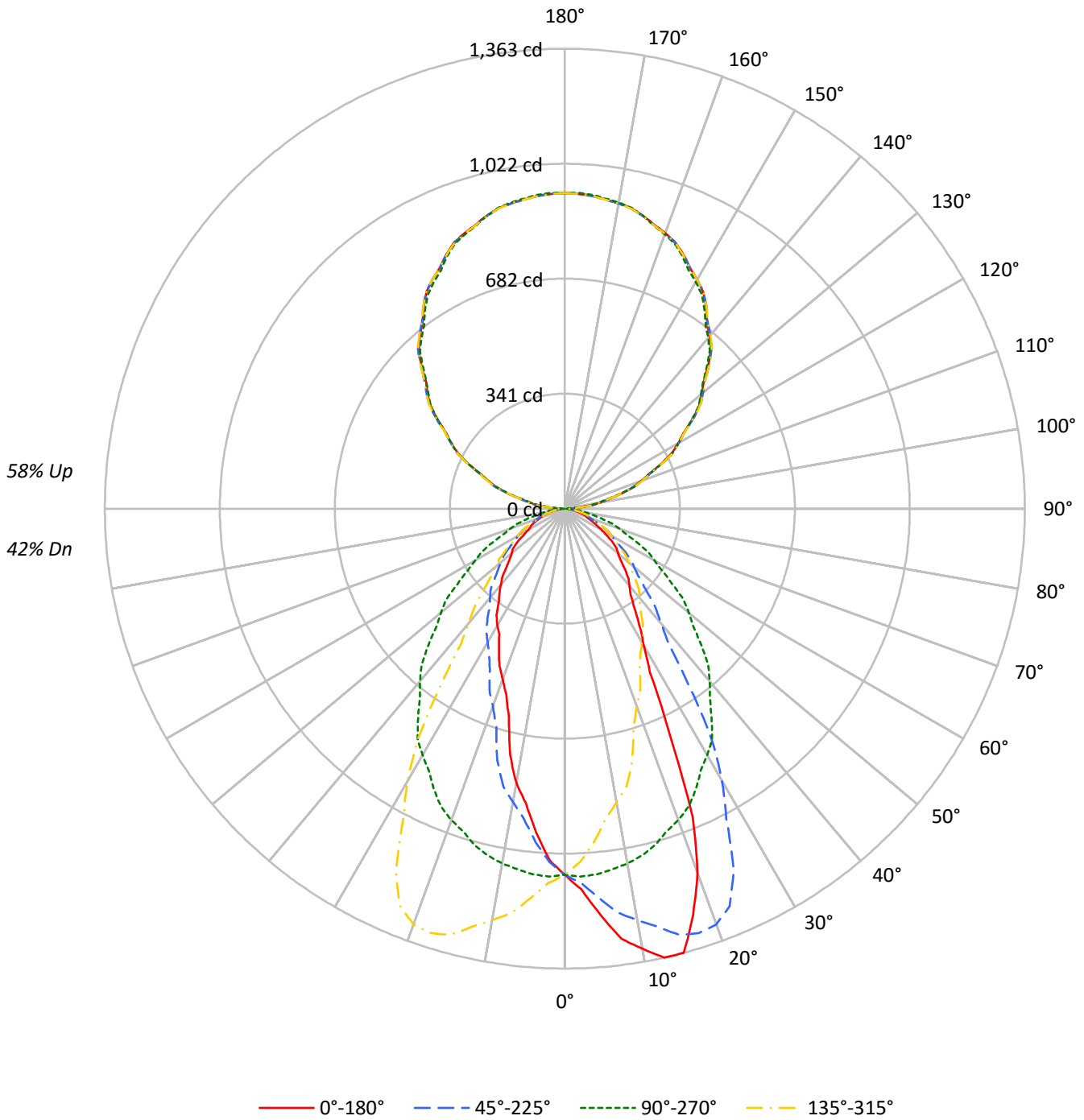
Lumens per Lamp: N/A
Luminaire Lumens: 4495.0 lumens
Efficiency: N/A
Efficacy: 117.1 lumens/watt
Spacing Criteria (0/90/45): 0.86 / 1.16 / 1.02
Luminous Opening: Rectangular (W 4' x L: 0.17' x H: 0')
CIE Type: General Diffuse

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



TEST NUMBER: P331658-840
CATALOG NUMBER: SA2XXRDIP-C485D725U840-4F0-1E-UDD-A1

Luminous Intensity Polar Plot





TEST NUMBER: P331658-840

CATALOG NUMBER: SA2XXRDIP-C485D725U840-4F0-1E-UDD-A1

COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20	
RC	80				70				50				30				10	0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0
RCR																		
0	105	105	105	105	96	96	96	96	79	79	79	63	63	63	49	49	49	42
1	97	93	89	86	88	85	82	79	70	68	66	56	55	54	44	43	42	36
2	88	82	76	71	81	75	70	66	62	59	56	50	48	46	39	38	37	32
3	81	72	65	60	74	66	61	56	55	51	48	45	42	40	36	34	32	28
4	75	64	57	51	68	59	53	48	50	45	41	41	37	35	32	30	28	24
5	69	58	50	45	63	53	47	42	45	40	36	37	33	30	30	27	25	22
6	64	52	44	39	58	48	41	37	41	36	32	34	30	27	27	24	22	20
7	59	47	40	34	54	44	37	32	37	32	28	31	27	24	25	22	20	18
8	55	43	36	31	50	40	33	29	34	29	25	28	25	22	23	20	18	16
9	51	39	32	28	47	37	30	26	31	26	23	26	23	20	22	19	17	15
10	48	36	29	25	44	34	28	24	29	24	21	24	21	18	20	17	16	14

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	17525	17525	17525	17525
5°	19571	17634	15635	17634
10°	21713	17510	13554	17510
15°	22781	17254	10678	17254
20°	19749	16873	9241	16873
25°	12953	16352	8250	16352
30°	8720	15720	7467	15720
35°	7062	14927	6733	14927
40°	6279	14060	6232	14060
45°	5683	13047	5562	13047
50°	5172	12039	5152	12039
55°	4861	10925	4799	10925
60°	4066	9901	4017	9901
65°	3431	8989	3889	8989
70°	3172	8030	3668	8030
75°	2969	6987	3387	6987
80°	2734	5746	3013	5746
85°	2501	4539	2649	4539



TEST NUMBER: P331658-840

CATALOG NUMBER: SA2XXRDIP-C485D725U840-4F0-1E-UDD-A1

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	102.9	2.3
10°-20°	286.7	6.4
20°-30°	369.4	8.2
30°-40°	351.1	7.8
40°-50°	300.7	6.7
50°-60°	229.0	5.1
60°-70°	144.8	3.2
70°-80°	72.3	1.6
80°-90°	22.5	0.5
90°-100°	59.3	1.3
100°-110°	184.1	4.1
110°-120°	314.7	7.0
120°-130°	413.8	9.2
130°-140°	464.4	10.3
140°-150°	455.4	10.1
150°-160°	382.0	8.5
160°-170°	253.3	5.6
170°-180°	88.5	2.0
0°-30°	759.0	16.9
0°-40°	1110.1	24.7
0°-60°	1639.8	36.5
0°-90°	1879.5	41.8
90°-120°	558.0	12.4
90°-150°	1891.7	42.1
90°-180°	2616.0	58.2
0°-180°	4495.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1085	1085	1085	1085	1085	
5°	1208	1088	965	1088	1208	119
15°	1363	1032	639	1032	1363	368
25°	727	918	463	918	727	345
35°	358	757	342	757	358	229
45°	249	571	244	571	249	193
55°	173	388	170	388	173	152
65°	90	235	102	235	90	91
75°	48	112	54	112	48	50
85°	14	24	14	24	14	15
90°	27	1	27	1	27	12
95°	49	41	49	41	49	55
105°	175	170	175	170	175	184
115°	316	316	316	316	316	312
125°	461	459	461	459	461	411
135°	602	594	602	594	602	463
145°	729	721	729	721	729	455
155°	831	825	831	825	831	383
165°	898	898	898	898	898	253
175°	931	934	931	934	931	88
180°	935	935	935	935	935	



TEST NUMBER: P331658-840

CATALOG NUMBER: SA2XXRDIP-C485D725U840-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	1085.4	1085.4	1085.4	1085.4	1085.4	1085.4	1085.4	1085.4	1085.4	1085.4	1085.4
2.5°	1129.4	1130.3	1131.3	1129.1	1129.1	1127.3	1123.4	1120.3	1111.9	1110.6	1110.6
5°	1207.5	1206.8	1208.3	1203.4	1196.6	1195.1	1187.9	1178.5	1168.7	1157.7	1155.5
7.5°	1285.3	1284.1	1281.1	1280.2	1275.1	1263.6	1252.1	1239.8	1223.6	1207.6	1199.6
10°	1324.4	1336.9	1329.4	1316.2	1318.8	1301.1	1291.6	1275.5	1261.8	1238.1	1232.8
12.5°	1363.0	1368.0	1365.5	1358.1	1354.7	1342.4	1329.7	1315.6	1290.5	1269.2	1250.6
15°	1362.9	1370.1	1372.0	1369.7	1371.6	1370.8	1364.0	1352.3	1330.5	1307.1	1286.8
17.5°	1262.3	1267.3	1279.6	1288.0	1298.6	1320.9	1331.9	1336.3	1332.9	1319.6	1305.3
20°	1149.4	1141.1	1175.9	1193.6	1208.7	1246.4	1278.8	1291.2	1311.2	1310.9	1307.1
22.5°	989.6	991.5	1024.4	1045.4	1089.5	1127.2	1164.2	1211.0	1249.7	1275.3	1290.2
25°	727.1	741.4	774.3	802.8	851.9	922.1	985.8	1059.8	1129.4	1184.6	1237.0
27.5°	546.0	547.1	573.1	599.7	628.7	686.2	766.5	854.7	954.2	1036.2	1130.6
30°	467.7	465.3	476.4	492.5	517.5	561.9	622.3	709.0	808.2	931.9	1042.0
32.5°	412.1	412.2	420.5	432.5	453.1	483.1	524.5	594.9	688.7	810.3	939.4
35°	358.3	357.9	364.0	372.6	381.2	400.5	428.8	465.7	530.3	643.8	775.8
37.5°	319.6	321.3	324.3	329.7	339.2	349.9	367.0	391.7	437.7	504.8	615.7
40°	297.9	298.7	302.9	307.4	313.1	321.3	335.3	355.3	388.8	442.3	523.4
42.5°	278.0	278.7	281.8	285.9	290.3	298.7	310.2	327.5	354.8	396.5	463.4
45°	248.9	248.9	251.6	253.4	258.3	265.9	275.3	289.6	308.5	339.4	384.0
47.5°	221.6	221.7	223.4	226.6	229.7	235.6	244.9	256.6	270.3	294.3	332.2
50°	205.9	206.3	207.4	210.1	212.0	217.2	224.4	234.6	248.9	267.4	299.0
52.5°	193.2	193.0	194.4	195.6	196.8	200.7	206.0	215.0	227.8	243.9	270.1
55°	172.7	171.2	173.5	175.3	176.5	178.0	181.0	186.7	197.6	211.2	230.8
57.5°	147.0	146.4	148.0	149.8	153.3	157.4	160.0	163.6	169.3	178.9	198.4
60°	125.9	125.9	129.4	130.5	134.6	139.9	145.2	148.2	153.9	160.3	174.6
62.5°	107.2	107.6	109.2	110.3	112.6	119.1	126.5	133.1	138.5	144.6	154.1
65°	89.8	90.5	90.5	91.3	92.8	94.3	97.3	102.6	112.0	120.7	127.8
67.5°	76.1	76.4	76.6	77.4	77.8	79.4	80.6	83.0	85.1	93.4	102.3
70°	67.2	68.3	67.9	68.7	69.0	69.8	71.3	72.4	75.8	77.7	83.0
72.5°	58.7	59.5	59.5	59.9	60.9	61.0	62.2	63.3	65.5	67.2	70.0
75°	47.6	47.2	47.6	48.3	48.7	49.0	49.0	50.5	51.7	53.2	55.0
77.5°	36.7	37.1	37.0	37.1	37.1	37.8	37.7	38.4	39.5	40.3	41.2
80°	29.4	29.8	29.4	29.8	30.2	30.5	30.2	30.5	31.7	32.4	32.4
82.5°	22.8	22.8	23.1	23.1	23.2	23.3	23.8	23.9	24.7	24.5	24.8
85°	13.5	13.2	13.2	13.2	13.5	13.9	13.5	13.5	13.9	13.9	13.9
87.5°	10.2	10.5	10.4	10.4	10.4	10.4	10.4	10.8	10.6	10.9	9.9
90°	26.9	26.7	26.5	26.4	26.2	26.3	26.6	27.0	27.3	27.7	23.7
92.5°	25.5	25.5	25.5	25.4	25.4	25.3	25.3	25.2	25.1	25.1	24.2
95°	49.0	49.3	49.7	50.0	50.4	50.5	50.5	50.5	50.5	50.5	50.2
97.5°	84.7	84.8	84.8	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.2
100°	108.2	108.4	108.5	108.7	108.9	109.0	109.0	109.0	109.0	109.0	108.4
102.5°	134.6	134.8	135.0	135.2	135.3	135.4	135.2	135.1	134.9	134.8	134.1
105°	175.2	175.2	175.2	175.2	175.2	175.1	174.7	174.4	174.0	173.7	173.3
107.5°	213.5	214.3	215.1	215.9	216.7	217.0	216.8	216.7	216.6	216.4	216.4
110°	243.1	243.7	244.2	244.7	245.2	245.5	245.5	245.5	245.5	245.5	245.5



TEST NUMBER: P331658-840

CATALOG NUMBER: SA2XXRDIP-C485D725U840-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	271.6	272.0	272.3	272.7	273.1	273.5	273.9	274.3	274.8	275.2	275.3
115°	315.8	316.3	316.8	317.3	317.8	318.2	318.4	318.5	318.7	318.9	319.2
117.5°	357.9	358.4	358.9	359.5	360.0	360.4	360.9	361.3	361.7	362.1	363.1
120°	387.6	388.1	388.6	389.1	389.7	389.9	389.9	389.9	389.9	389.9	391.3
122.5°	416.7	417.0	417.4	417.8	418.2	418.6	419.0	419.4	419.8	420.2	421.2
125°	461.0	461.2	461.3	461.5	461.7	462.0	462.5	463.1	463.6	464.1	464.6
127.5°	501.4	502.0	502.5	503.1	503.6	504.2	504.8	505.5	506.1	506.8	507.4
130°	530.5	531.2	531.9	532.5	533.2	533.8	534.1	534.5	534.8	535.2	535.5
132.5°	558.3	558.8	559.4	559.9	560.5	561.2	561.9	562.7	563.5	564.2	564.1
135°	601.5	602.0	602.6	603.1	603.6	603.9	604.1	604.3	604.5	604.6	604.3
137.5°	640.7	641.4	642.1	642.8	643.5	643.9	644.0	644.2	644.3	644.4	644.0
140°	667.8	668.5	669.2	669.9	670.6	671.0	671.0	671.0	671.0	671.0	670.0
142.5°	692.5	693.2	693.8	694.5	695.2	695.5	695.4	695.2	695.1	695.0	694.4
145°	729.3	730.0	730.7	731.4	732.2	732.5	732.3	732.1	732.0	731.7	730.6
147.5°	762.3	763.1	763.7	764.4	765.1	765.2	764.8	764.4	764.0	763.7	763.0
150°	783.9	784.4	784.9	785.4	786.0	786.0	785.4	784.9	784.4	783.9	783.2
152.5°	804.1	804.7	805.4	806.1	806.7	806.7	806.1	805.4	804.7	804.1	803.1
155°	831.2	831.7	832.2	832.7	833.3	833.1	832.2	831.3	830.5	829.6	829.1
157.5°	854.5	855.4	856.3	857.1	857.9	857.8	856.6	855.4	854.1	852.9	852.6
160°	869.1	869.8	870.5	871.2	871.9	871.7	870.7	869.6	868.6	867.5	867.4
162.5°	881.7	882.5	883.4	884.2	885.0	884.9	883.7	882.5	881.3	880.1	880.0
165°	898.3	899.2	900.0	900.9	901.8	901.6	900.4	899.2	898.0	896.7	896.7
167.5°	911.9	912.8	913.7	914.6	915.5	915.3	914.1	912.9	911.7	910.4	910.5
170°	918.8	919.9	920.9	922.0	923.0	922.9	921.7	920.5	919.3	918.0	918.2
172.5°	924.5	925.5	926.6	927.7	928.7	928.6	927.4	926.1	924.9	923.7	923.9
175°	930.7	931.7	932.7	933.8	934.8	934.7	933.5	932.3	931.1	929.9	930.2
177.5°	933.5	934.3	935.1	936.0	936.9	936.9	936.0	935.1	934.3	933.5	933.7
180°	935.3	935.3	935.3	935.3	935.3	935.3	935.3	935.3	935.3	935.3	935.3



TEST NUMBER: P331658-840

CATALOG NUMBER: SA2XXRDIP-C485D725U840-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	1085.4	1085.4	1085.4	1085.4	1085.4	1085.4	1085.4	1085.4	1085.4	1085.4	1085.4
2.5°	1111.3	1108.9	1106.8	1101.4	1098.6	1092.6	1091.7	1091.4	1083.6	1076.0	1073.9
5°	1149.4	1143.5	1134.4	1123.8	1112.9	1101.6	1094.0	1088.0	1072.9	1058.5	1050.3
7.5°	1187.9	1175.0	1159.3	1139.3	1122.7	1104.0	1090.1	1077.6	1056.2	1035.7	1021.9
10°	1216.6	1195.5	1174.8	1147.2	1125.7	1104.6	1085.0	1068.0	1043.9	1016.7	997.4
12.5°	1234.4	1211.1	1182.6	1155.7	1127.8	1101.0	1074.7	1052.9	1024.6	996.5	973.6
15°	1258.5	1233.6	1198.9	1160.4	1124.6	1089.5	1059.3	1032.2	995.2	961.7	933.7
17.5°	1278.2	1243.9	1206.6	1162.2	1120.6	1076.1	1037.2	1002.5	961.4	920.9	888.1
20°	1284.4	1250.5	1207.5	1163.1	1114.0	1061.6	1019.8	982.0	937.9	893.7	856.1
22.5°	1280.5	1254.2	1206.3	1153.1	1102.9	1048.0	1000.8	956.9	908.1	863.0	819.3
25°	1253.9	1244.9	1199.6	1141.6	1084.2	1020.5	965.8	917.9	862.1	813.9	766.3
27.5°	1191.8	1211.4	1183.4	1121.5	1057.7	989.4	928.0	873.4	815.5	761.1	713.8
30°	1132.2	1177.0	1164.9	1107.6	1036.3	969.2	900.2	843.2	781.4	725.6	678.8
32.5°	1050.4	1124.5	1136.3	1088.3	1014.6	940.8	868.5	811.8	747.3	688.4	642.9
35°	920.2	1031.1	1082.0	1051.4	977.4	898.0	823.2	757.3	692.4	634.3	589.1
37.5°	764.9	915.8	1000.8	1002.9	935.0	852.3	771.0	705.5	639.0	582.1	533.1
40°	664.1	827.8	938.3	962.8	905.4	816.1	733.9	667.1	602.3	546.4	490.3
42.5°	573.6	736.7	872.5	915.1	869.6	780.8	698.3	628.5	565.4	512.6	455.2
45°	463.8	606.4	756.1	832.3	807.1	724.8	637.7	571.4	512.1	466.5	411.4
47.5°	391.3	491.8	636.6	739.7	739.2	664.2	578.6	514.9	460.0	417.3	372.6
50°	349.9	437.5	560.1	676.9	686.7	623.8	542.3	479.3	428.1	383.1	347.3
52.5°	312.9	385.0	495.1	607.2	635.1	580.6	501.6	443.4	393.6	352.3	321.6
55°	264.4	320.1	403.9	508.8	551.0	512.5	442.3	388.1	347.7	313.1	286.6
57.5°	223.6	265.5	332.6	417.1	466.3	442.0	384.3	340.1	305.6	274.2	253.4
60°	198.0	232.3	289.2	359.8	414.0	397.1	347.7	306.6	277.2	250.0	230.5
62.5°	173.9	203.4	252.2	309.4	359.2	352.1	311.8	277.3	251.6	226.8	210.3
65°	139.9	161.4	199.4	244.4	284.4	287.7	258.7	235.3	212.3	192.7	178.0
67.5°	111.4	125.4	152.3	190.1	220.0	230.8	213.0	195.1	176.8	161.7	149.0
70°	93.9	105.2	124.8	155.4	182.9	194.2	184.0	170.1	154.2	141.8	130.9
72.5°	76.1	87.2	101.6	124.0	147.6	159.9	156.3	146.2	133.4	123.1	112.8
75°	57.4	60.7	70.5	85.6	104.1	114.6	117.2	112.0	101.8	93.9	87.9
77.5°	42.4	44.4	49.1	57.1	69.1	78.5	82.4	81.8	74.7	70.2	64.5
80°	33.9	35.0	37.4	40.7	49.8	59.2	61.8	61.8	57.0	55.0	49.4
82.5°	25.8	26.7	28.0	29.9	34.1	42.3	45.2	45.8	42.7	40.3	35.9
85°	14.7	14.3	15.0	16.3	17.0	19.2	23.7	24.5	23.7	20.7	19.6
87.5°	9.1	8.7	7.9	7.0	6.9	6.8	7.8	8.9	8.1	7.7	7.5
90°	19.9	16.1	12.2	9.2	7.1	5.0	2.9	0.8	2.9	5.0	7.1
92.5°	23.2	22.3	21.4	20.2	18.7	17.2	15.6	14.0	15.6	17.2	18.7
95°	49.8	49.5	49.1	48.1	46.4	44.5	42.8	41.0	42.8	44.5	46.4
97.5°	83.6	82.9	82.3	81.2	79.6	78.1	76.5	75.0	76.5	78.1	79.6
100°	107.9	107.3	106.8	105.8	104.4	103.0	101.7	100.3	101.7	103.0	104.4
102.5°	133.5	132.8	132.2	131.3	130.2	129.1	127.8	126.7	127.8	129.1	130.2
105°	173.0	172.6	172.3	171.8	171.3	170.8	170.3	169.8	170.3	170.8	171.3
107.5°	216.4	216.4	216.4	216.0	215.3	214.5	213.8	213.0	213.8	214.5	215.3
110°	245.5	245.5	245.5	245.0	243.9	242.9	241.8	240.8	241.8	242.9	243.9



TEST NUMBER: P331658-840

CATALOG NUMBER: SA2XXRDIP-C485D725U840-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	275.5	275.6	275.7	275.3	274.2	273.2	272.2	271.0	272.2	273.2	274.2
115°	319.6	319.9	320.3	319.9	318.9	317.8	316.8	315.8	316.8	317.8	318.9
117.5°	364.2	365.1	366.1	365.9	364.5	363.0	361.6	360.2	361.6	363.0	364.5
120°	392.7	394.2	395.6	395.6	394.2	392.7	391.3	389.9	391.3	392.7	394.2
122.5°	422.2	423.2	424.1	423.8	422.1	420.5	418.8	417.1	418.8	420.5	422.1
125°	465.1	465.7	466.3	465.7	464.1	462.5	461.0	459.4	461.0	462.5	464.1
127.5°	508.1	508.7	509.3	508.6	506.6	504.6	502.6	500.6	502.6	504.6	506.6
130°	535.8	536.2	536.5	535.6	533.3	531.1	528.8	526.5	528.8	531.1	533.3
132.5°	564.1	564.0	563.9	563.0	561.1	559.3	557.4	555.5	557.4	559.3	561.1
135°	603.9	603.6	603.2	602.1	600.2	598.2	596.3	594.4	596.3	598.2	600.2
137.5°	643.5	643.1	642.6	641.6	640.1	638.4	636.8	635.3	636.8	638.4	640.1
140°	669.2	668.3	667.4	666.2	664.6	663.1	661.5	659.9	661.5	663.1	664.6
142.5°	693.8	693.2	692.6	691.5	689.9	688.3	686.7	685.2	686.7	688.3	689.9
145°	729.6	728.6	727.5	726.4	725.2	724.0	722.7	721.4	722.7	724.0	725.2
147.5°	762.2	761.5	760.8	759.7	758.2	756.8	755.3	753.9	755.3	756.8	758.2
150°	782.4	781.7	781.0	780.1	779.1	778.0	777.0	776.0	777.0	778.0	779.1
152.5°	802.3	801.5	800.6	799.7	798.7	797.6	796.6	795.5	796.6	797.6	798.7
155°	828.6	828.0	827.5	827.0	826.5	826.0	825.4	824.9	825.4	826.0	826.5
157.5°	852.3	852.0	851.7	851.4	851.0	850.7	850.3	850.0	850.3	850.7	851.0
160°	867.2	867.0	866.8	866.6	866.2	865.9	865.5	865.2	865.5	865.9	866.2
162.5°	879.8	879.6	879.4	879.3	879.2	879.2	879.1	879.0	879.1	879.2	879.2
165°	896.7	896.7	896.7	896.8	897.0	897.2	897.4	897.5	897.4	897.2	897.0
167.5°	910.5	910.6	910.6	910.9	911.4	911.9	912.4	912.9	912.4	911.9	911.4
170°	918.4	918.6	918.7	919.1	919.6	920.1	920.7	921.2	920.7	920.1	919.6
172.5°	924.0	924.2	924.4	924.7	925.2	925.8	926.3	926.9	926.3	925.8	925.2
175°	930.6	930.9	931.3	931.7	932.2	932.7	933.3	933.8	933.3	932.7	932.2
177.5°	934.0	934.3	934.6	934.9	935.3	935.8	936.2	936.6	936.2	935.8	935.3
180°	935.3	935.3	935.3	935.3	935.3	935.3	935.3	935.3	935.3	935.3	935.3



TEST NUMBER: P331658-840

CATALOG NUMBER: SA2XXRDIP-C485D725U840-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	1085.4	1085.4	1085.4	1085.4	1085.4	1085.4	1085.4	1085.4	1085.4	1085.4	1085.4
2.5°	1070.0	1067.8	1063.9	1057.9	1054.3	1047.9	1043.7	1046.1	1046.7	1046.1	1045.5
5°	1041.3	1033.3	1022.4	1011.8	1002.0	991.5	985.4	982.8	977.4	974.5	973.0
7.5°	1006.4	992.8	977.3	959.0	943.3	927.0	918.6	914.4	903.6	897.8	892.6
10°	980.5	959.0	943.5	919.4	904.7	883.2	868.5	868.9	854.1	845.9	839.8
12.5°	951.9	928.3	902.5	880.8	860.4	843.1	825.4	818.2	802.5	794.6	778.3
15°	904.3	876.8	849.7	820.2	799.5	772.7	747.1	715.8	690.5	668.6	662.6
17.5°	852.4	818.4	791.1	756.6	721.0	676.0	646.3	628.1	612.9	601.4	592.8
20°	816.9	782.1	753.2	701.0	653.2	622.6	600.8	586.8	571.0	558.6	551.7
22.5°	779.4	743.3	703.7	645.5	608.2	583.7	564.2	548.2	537.5	527.8	521.6
25°	726.3	686.7	621.5	581.5	551.4	525.7	512.1	502.3	491.0	477.8	471.8
27.5°	670.2	607.2	560.4	530.7	501.9	485.2	473.0	458.4	448.3	442.3	436.1
30°	628.2	565.3	528.8	496.2	475.9	457.5	443.1	434.8	425.1	414.9	410.7
32.5°	581.5	531.2	496.1	469.2	448.5	432.7	421.4	408.0	400.9	394.7	386.0
35°	523.4	485.3	453.3	431.4	411.8	399.0	385.8	377.9	365.1	359.8	356.4
37.5°	474.2	441.2	417.3	394.3	378.7	364.6	356.5	343.9	338.3	330.9	323.8
40°	446.5	414.0	391.1	372.2	354.9	344.3	334.2	324.0	315.7	312.3	303.6
42.5°	418.2	391.7	368.7	348.1	336.5	325.3	312.5	305.0	296.3	290.8	285.5
45°	379.0	355.7	336.0	319.0	306.2	294.6	286.2	273.8	268.9	257.9	253.4
47.5°	344.6	322.9	304.2	288.0	275.5	267.9	255.8	246.0	238.2	231.5	225.7
50°	320.1	302.1	284.0	269.6	258.3	247.4	235.0	230.0	217.9	214.6	211.2
52.5°	297.8	280.6	264.1	250.0	238.7	228.1	217.1	210.8	202.6	199.1	196.7
55°	266.6	250.0	234.2	221.8	210.5	199.4	192.7	184.8	181.0	178.3	175.3
57.5°	235.2	220.4	208.1	195.6	184.2	175.5	167.6	162.9	159.0	155.5	151.9
60°	215.3	201.0	190.1	178.3	166.7	159.6	153.5	147.8	143.3	138.0	136.5
62.5°	194.2	181.7	171.7	160.3	150.1	143.5	137.8	132.5	127.0	119.4	117.2
65°	165.2	155.4	144.8	135.4	126.3	120.0	111.6	105.6	103.3	102.6	102.2
67.5°	139.0	129.7	120.6	111.0	102.7	96.7	92.5	91.6	90.1	89.6	88.6
70°	121.4	112.8	103.7	94.6	86.7	85.6	84.1	82.6	80.7	80.0	79.2
72.5°	105.7	96.7	87.8	80.5	77.1	75.6	74.1	72.6	71.4	70.6	70.2
75°	81.1	72.8	66.8	64.1	62.2	61.1	58.9	57.7	57.0	55.8	55.4
77.5°	58.4	53.7	50.9	49.3	47.3	46.0	44.8	43.6	42.8	42.6	42.0
80°	44.5	42.2	40.4	38.1	37.4	35.9	35.4	34.3	34.7	33.5	33.5
82.5°	34.5	31.7	30.1	29.1	28.3	27.1	26.7	26.2	26.3	25.4	25.4
85°	17.8	17.0	16.3	15.5	15.5	14.3	14.7	14.3	14.3	13.5	13.2
87.5°	7.6	7.9	8.1	8.8	9.6	10.1	10.0	9.6	9.5	9.5	9.2
90°	9.2	12.2	16.1	19.9	23.7	27.7	27.3	27.0	26.6	26.3	26.2
92.5°	20.2	21.4	22.3	23.2	24.2	25.1	25.1	25.2	25.3	25.3	25.4
95°	48.1	49.1	49.5	49.8	50.2	50.5	50.5	50.5	50.5	50.5	50.4
97.5°	81.2	82.3	82.9	83.6	84.2	84.9	84.9	84.9	84.9	84.9	84.9
100°	105.8	106.8	107.3	107.9	108.4	109.0	109.0	109.0	109.0	109.0	108.9
102.5°	131.3	132.2	132.8	133.5	134.1	134.8	134.9	135.1	135.2	135.4	135.3
105°	171.8	172.3	172.6	173.0	173.3	173.7	174.0	174.4	174.7	175.1	175.2
107.5°	216.0	216.4	216.4	216.4	216.4	216.4	216.6	216.7	216.8	217.0	216.7
110°	245.0	245.5	245.5	245.5	245.5	245.5	245.5	245.5	245.5	245.5	245.2



TEST NUMBER: P331658-840

CATALOG NUMBER: SA2XXRDIP-C485D725U840-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	275.3	275.7	275.6	275.5	275.3	275.2	274.8	274.3	273.9	273.5	273.1
115°	319.9	320.3	319.9	319.6	319.2	318.9	318.7	318.5	318.4	318.2	317.8
117.5°	365.9	366.1	365.1	364.2	363.1	362.1	361.7	361.3	360.9	360.4	360.0
120°	395.6	395.6	394.2	392.7	391.3	389.9	389.9	389.9	389.9	389.9	389.7
122.5°	423.8	424.1	423.2	422.2	421.2	420.2	419.8	419.4	419.0	418.6	418.2
125°	465.7	466.3	465.7	465.1	464.6	464.1	463.6	463.1	462.5	462.0	461.7
127.5°	508.6	509.3	508.7	508.1	507.4	506.8	506.1	505.5	504.8	504.2	503.6
130°	535.6	536.5	536.2	535.8	535.5	535.2	534.8	534.5	534.1	533.8	533.2
132.5°	563.0	563.9	564.0	564.1	564.1	564.2	563.5	562.7	561.9	561.2	560.5
135°	602.1	603.2	603.6	603.9	604.3	604.6	604.5	604.3	604.1	603.9	603.6
137.5°	641.6	642.6	643.1	643.5	644.0	644.4	644.3	644.2	644.0	643.9	643.5
140°	666.2	667.4	668.3	669.2	670.0	671.0	671.0	671.0	671.0	671.0	670.6
142.5°	691.5	692.6	693.2	693.8	694.4	695.0	695.1	695.2	695.4	695.5	695.2
145°	726.4	727.5	728.6	729.6	730.6	731.7	732.0	732.1	732.3	732.5	732.2
147.5°	759.7	760.8	761.5	762.2	763.0	763.7	764.0	764.4	764.8	765.2	765.1
150°	780.1	781.0	781.7	782.4	783.2	783.9	784.4	784.9	785.4	786.0	786.0
152.5°	799.7	800.6	801.5	802.3	803.1	804.1	804.7	805.4	806.1	806.7	806.7
155°	827.0	827.5	828.0	828.6	829.1	829.6	830.5	831.3	832.2	833.1	833.3
157.5°	851.4	851.7	852.0	852.3	852.6	852.9	854.1	855.4	856.6	857.8	857.9
160°	866.6	866.8	867.0	867.2	867.4	867.5	868.6	869.6	870.7	871.7	871.9
162.5°	879.3	879.4	879.6	879.8	880.0	880.1	881.3	882.5	883.7	884.9	885.0
165°	896.8	896.7	896.7	896.7	896.7	896.7	898.0	899.2	900.4	901.6	901.8
167.5°	910.9	910.6	910.6	910.5	910.5	910.4	911.7	912.9	914.1	915.3	915.5
170°	919.1	918.7	918.6	918.4	918.2	918.0	919.3	920.5	921.7	922.9	923.0
172.5°	924.7	924.4	924.2	924.0	923.9	923.7	924.9	926.1	927.4	928.6	928.7
175°	931.7	931.3	930.9	930.6	930.2	929.9	931.1	932.3	933.5	934.7	934.8
177.5°	934.9	934.6	934.3	934.0	933.7	933.5	934.3	935.1	936.0	936.9	936.9
180°	935.3	935.3	935.3	935.3	935.3	935.3	935.3	935.3	935.3	935.3	935.3



TEST NUMBER: P331658-840

CATALOG NUMBER: SA2XXRDIP-C485D725U840-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	1085.4	1085.4	1085.4	1085.4	1085.4	1085.4	1085.4	1085.4	1085.4	1085.4	1085.4
2.5°	1042.2	1042.8	1041.9	1042.5	1041.9	1042.8	1042.2	1045.5	1046.1	1046.7	1046.1
5°	971.1	966.5	965.8	964.7	965.8	966.5	971.1	973.0	974.5	977.4	982.8
7.5°	886.2	885.4	883.6	880.9	883.6	885.4	886.2	892.6	897.8	903.6	914.4
10°	831.5	829.7	829.3	826.7	829.3	829.7	831.5	839.8	845.9	854.1	868.9
12.5°	767.6	755.5	754.2	747.6	754.2	755.5	767.6	778.3	794.6	802.5	818.2
15°	653.6	651.3	643.8	638.8	643.8	651.3	653.6	662.6	668.6	690.5	715.8
17.5°	588.3	581.0	578.7	577.6	578.7	581.0	588.3	592.8	601.4	612.9	628.1
20°	546.4	539.7	538.6	537.8	538.6	539.7	546.4	551.7	558.6	571.0	586.8
22.5°	517.5	510.4	507.5	505.2	507.5	510.4	517.5	521.6	527.8	537.5	548.2
25°	468.0	465.3	463.8	463.1	463.8	465.3	468.0	471.8	477.8	491.0	502.3
27.5°	429.3	423.5	422.3	420.4	422.3	423.5	429.3	436.1	442.3	448.3	458.4
30°	407.3	405.4	402.7	400.5	402.7	405.4	407.3	410.7	414.9	425.1	434.8
32.5°	381.3	379.8	377.4	376.4	377.4	379.8	381.3	386.0	394.7	400.9	408.0
35°	352.6	347.3	345.1	341.6	345.1	347.3	352.6	356.4	359.8	365.1	377.9
37.5°	322.2	319.4	316.3	317.4	316.3	319.4	322.2	323.8	330.9	338.3	343.9
40°	298.7	296.8	296.0	295.7	296.0	296.8	298.7	303.6	312.3	315.7	324.0
42.5°	279.9	274.8	272.8	272.8	272.8	274.8	279.9	285.5	290.8	296.3	305.0
45°	251.6	246.6	243.3	243.6	243.3	246.6	251.6	253.4	257.9	268.9	273.8
47.5°	222.5	222.3	220.2	220.9	220.2	222.3	222.5	225.7	231.5	238.2	246.0
50°	208.5	206.3	204.8	205.1	204.8	206.3	208.5	211.2	214.6	217.9	230.0
52.5°	195.3	193.3	192.1	193.7	192.1	193.3	195.3	196.7	199.1	202.6	210.8
55°	173.5	171.2	170.9	170.5	170.9	171.2	173.5	175.3	178.3	181.0	184.8
57.5°	149.2	147.6	145.3	144.4	145.3	147.6	149.2	151.9	155.5	159.0	162.9
60°	131.6	128.6	124.8	124.4	124.8	128.6	131.6	136.5	138.0	143.3	147.8
62.5°	115.6	115.0	114.3	114.2	114.3	115.0	115.6	117.2	119.4	127.0	132.5
65°	101.5	101.1	101.5	101.8	101.5	101.1	101.5	102.2	102.6	103.3	105.6
67.5°	88.4	87.8	87.1	87.4	87.1	87.8	88.4	88.6	89.6	90.1	91.6
70°	78.5	78.1	77.7	77.7	77.7	78.1	78.5	79.2	80.0	80.7	82.6
72.5°	68.8	68.7	68.4	68.1	68.4	68.7	68.8	70.2	70.6	71.4	72.6
75°	55.0	54.3	54.3	54.3	54.3	54.3	55.0	55.4	55.8	57.0	57.7
77.5°	41.9	41.6	41.2	40.9	41.2	41.6	41.9	42.0	42.6	42.8	43.6
80°	33.2	32.8	32.4	32.4	32.4	32.8	33.2	33.5	33.5	34.7	34.3
82.5°	25.3	24.9	24.8	24.5	24.8	24.9	25.3	25.4	25.4	26.3	26.2
85°	13.5	13.9	13.5	14.3	13.5	13.9	13.5	13.2	13.5	14.3	14.3
87.5°	9.2	8.9	9.3	9.0	9.3	8.9	9.2	9.2	9.5	9.5	9.6
90°	26.4	26.5	26.7	26.9	26.7	26.5	26.4	26.2	26.3	26.6	27.0
92.5°	25.4	25.5	25.5	25.5	25.5	25.5	25.4	25.4	25.3	25.3	25.2
95°	50.0	49.7	49.3	49.0	49.3	49.7	50.0	50.4	50.5	50.5	50.5
97.5°	84.9	84.8	84.8	84.7	84.8	84.8	84.9	84.9	84.9	84.9	84.9
100°	108.7	108.5	108.4	108.2	108.4	108.5	108.7	108.9	109.0	109.0	109.0
102.5°	135.2	135.0	134.8	134.6	134.8	135.0	135.2	135.3	135.4	135.2	135.1
105°	175.2	175.2	175.2	175.2	175.2	175.2	175.2	175.2	175.1	174.7	174.4
107.5°	215.9	215.1	214.3	213.5	214.3	215.1	215.9	216.7	217.0	216.8	216.7
110°	244.7	244.2	243.7	243.1	243.7	244.2	244.7	245.2	245.5	245.5	245.5



TEST NUMBER: P331658-840

CATALOG NUMBER: SA2XXRDIP-C485D725U840-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	272.7	272.3	272.0	271.6	272.0	272.3	272.7	273.1	273.5	273.9	274.3
115°	317.3	316.8	316.3	315.8	316.3	316.8	317.3	317.8	318.2	318.4	318.5
117.5°	359.5	358.9	358.4	357.9	358.4	358.9	359.5	360.0	360.4	360.9	361.3
120°	389.1	388.6	388.1	387.6	388.1	388.6	389.1	389.7	389.9	389.9	389.9
122.5°	417.8	417.4	417.0	416.7	417.0	417.4	417.8	418.2	418.6	419.0	419.4
125°	461.5	461.3	461.2	461.0	461.2	461.3	461.5	461.7	462.0	462.5	463.1
127.5°	503.1	502.5	502.0	501.4	502.0	502.5	503.1	503.6	504.2	504.8	505.5
130°	532.5	531.9	531.2	530.5	531.2	531.9	532.5	533.2	533.8	534.1	534.5
132.5°	559.9	559.4	558.8	558.3	558.8	559.4	559.9	560.5	561.2	561.9	562.7
135°	603.1	602.6	602.0	601.5	602.0	602.6	603.1	603.6	603.9	604.1	604.3
137.5°	642.8	642.1	641.4	640.7	641.4	642.1	642.8	643.5	643.9	644.0	644.2
140°	669.9	669.2	668.5	667.8	668.5	669.2	669.9	670.6	671.0	671.0	671.0
142.5°	694.5	693.8	693.2	692.5	693.2	693.8	694.5	695.2	695.5	695.4	695.2
145°	731.4	730.7	730.0	729.3	730.0	730.7	731.4	732.2	732.5	732.3	732.1
147.5°	764.4	763.7	763.1	762.3	763.1	763.7	764.4	765.1	765.2	764.8	764.4
150°	785.4	784.9	784.4	783.9	784.4	784.9	785.4	786.0	786.0	785.4	784.9
152.5°	806.1	805.4	804.7	804.1	804.7	805.4	806.1	806.7	806.7	806.1	805.4
155°	832.7	832.2	831.7	831.2	831.7	832.2	832.7	833.3	833.1	832.2	831.3
157.5°	857.1	856.3	855.4	854.5	855.4	856.3	857.1	857.9	857.8	856.6	855.4
160°	871.2	870.5	869.8	869.1	869.8	870.5	871.2	871.9	871.7	870.7	869.6
162.5°	884.2	883.4	882.5	881.7	882.5	883.4	884.2	885.0	884.9	883.7	882.5
165°	900.9	900.0	899.2	898.3	899.2	900.0	900.9	901.8	901.6	900.4	899.2
167.5°	914.6	913.7	912.8	911.9	912.8	913.7	914.6	915.5	915.3	914.1	912.9
170°	922.0	920.9	919.9	918.8	919.9	920.9	922.0	923.0	922.9	921.7	920.5
172.5°	927.7	926.6	925.5	924.5	925.5	926.6	927.7	928.7	928.6	927.4	926.1
175°	933.8	932.7	931.7	930.7	931.7	932.7	933.8	934.8	934.7	933.5	932.3
177.5°	936.0	935.1	934.3	933.5	934.3	935.1	936.0	936.9	936.9	936.0	935.1
180°	935.3	935.3	935.3	935.3	935.3	935.3	935.3	935.3	935.3	935.3	935.3



TEST NUMBER: P331658-840
 CATALOG NUMBER: SA2XXRDIP-C485D725U840-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	1085.4	1085.4	1085.4	1085.4	1085.4	1085.4	1085.4	1085.4	1085.4	1085.4	1085.4
2.5°	1043.7	1047.9	1054.3	1057.9	1063.9	1067.8	1070.0	1073.9	1076.0	1083.6	1091.4
5°	985.4	991.5	1002.0	1011.8	1022.4	1033.3	1041.3	1050.3	1058.5	1072.9	1088.0
7.5°	918.6	927.0	943.3	959.0	977.3	992.8	1006.4	1021.9	1035.7	1056.2	1077.6
10°	868.5	883.2	904.7	919.4	943.5	959.0	980.5	997.4	1016.7	1043.9	1068.0
12.5°	825.4	843.1	860.4	880.8	902.5	928.3	951.9	973.6	996.5	1024.6	1052.9
15°	747.1	772.7	799.5	820.2	849.7	876.8	904.3	933.7	961.7	995.2	1032.2
17.5°	646.3	676.0	721.0	756.6	791.1	818.4	852.4	888.1	920.9	961.4	1002.5
20°	600.8	622.6	653.2	701.0	753.2	782.1	816.9	856.1	893.7	937.9	982.0
22.5°	564.2	583.7	608.2	645.5	703.7	743.3	779.4	819.3	863.0	908.1	956.9
25°	512.1	525.7	551.4	581.5	621.5	686.7	726.3	766.3	813.9	862.1	917.9
27.5°	473.0	485.2	501.9	530.7	560.4	607.2	670.2	713.8	761.1	815.5	873.4
30°	443.1	457.5	475.9	496.2	528.8	565.3	628.2	678.8	725.6	781.4	843.2
32.5°	421.4	432.7	448.5	469.2	496.1	531.2	581.5	642.9	688.4	747.3	811.8
35°	385.8	399.0	411.8	431.4	453.3	485.3	523.4	589.1	634.3	692.4	757.3
37.5°	356.5	364.6	378.7	394.3	417.3	441.2	474.2	533.1	582.1	639.0	705.5
40°	334.2	344.3	354.9	372.2	391.1	414.0	446.5	490.3	546.4	602.3	667.1
42.5°	312.5	325.3	336.5	348.1	368.7	391.7	418.2	455.2	512.6	565.4	628.5
45°	286.2	294.6	306.2	319.0	336.0	355.7	379.0	411.4	466.5	512.1	571.4
47.5°	255.8	267.9	275.5	288.0	304.2	322.9	344.6	372.6	417.3	460.0	514.9
50°	235.0	247.4	258.3	269.6	284.0	302.1	320.1	347.3	383.1	428.1	479.3
52.5°	217.1	228.1	238.7	250.0	264.1	280.6	297.8	321.6	352.3	393.6	443.4
55°	192.7	199.4	210.5	221.8	234.2	250.0	266.6	286.6	313.1	347.7	388.1
57.5°	167.6	175.5	184.2	195.6	208.1	220.4	235.2	253.4	274.2	305.6	340.1
60°	153.5	159.6	166.7	178.3	190.1	201.0	215.3	230.5	250.0	277.2	306.6
62.5°	137.8	143.5	150.1	160.3	171.7	181.7	194.2	210.3	226.8	251.6	277.3
65°	111.6	120.0	126.3	135.4	144.8	155.4	165.2	178.0	192.7	212.3	235.3
67.5°	92.5	96.7	102.7	111.0	120.6	129.7	139.0	149.0	161.7	176.8	195.1
70°	84.1	85.6	86.7	94.6	103.7	112.8	121.4	130.9	141.8	154.2	170.1
72.5°	74.1	75.6	77.1	80.5	87.8	96.7	105.7	112.8	123.1	133.4	146.2
75°	58.9	61.1	62.2	64.1	66.8	72.8	81.1	87.9	93.9	101.8	112.0
77.5°	44.8	46.0	47.3	49.3	50.9	53.7	58.4	64.5	70.2	74.7	81.8
80°	35.4	35.9	37.4	38.1	40.4	42.2	44.5	49.4	55.0	57.0	61.8
82.5°	26.7	27.1	28.3	29.1	30.1	31.7	34.5	35.9	40.3	42.7	45.8
85°	14.7	14.3	15.5	15.5	16.3	17.0	17.8	19.6	20.7	23.7	24.5
87.5°	10.0	10.1	9.6	8.8	8.1	7.9	7.6	7.5	7.7	8.1	8.9
90°	27.3	27.7	23.7	19.9	16.1	12.2	9.2	7.1	5.0	2.9	0.8
92.5°	25.1	25.1	24.2	23.2	22.3	21.4	20.2	18.7	17.2	15.6	14.0
95°	50.5	50.5	50.2	49.8	49.5	49.1	48.1	46.4	44.5	42.8	41.0
97.5°	84.9	84.9	84.2	83.6	82.9	82.3	81.2	79.6	78.1	76.5	75.0
100°	109.0	109.0	108.4	107.9	107.3	106.8	105.8	104.4	103.0	101.7	100.3
102.5°	134.9	134.8	134.1	133.5	132.8	132.2	131.3	130.2	129.1	127.8	126.7
105°	174.0	173.7	173.3	173.0	172.6	172.3	171.8	171.3	170.8	170.3	169.8
107.5°	216.6	216.4	216.4	216.4	216.4	216.4	216.0	215.3	214.5	213.8	213.0
110°	245.5	245.5	245.5	245.5	245.5	245.5	245.0	243.9	242.9	241.8	240.8



TEST NUMBER: P331658-840

CATALOG NUMBER: SA2XXRDIP-C485D725U840-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	274.8	275.2	275.3	275.5	275.6	275.7	275.3	274.2	273.2	272.2	271.0
115°	318.7	318.9	319.2	319.6	319.9	320.3	319.9	318.9	317.8	316.8	315.8
117.5°	361.7	362.1	363.1	364.2	365.1	366.1	365.9	364.5	363.0	361.6	360.2
120°	389.9	389.9	391.3	392.7	394.2	395.6	395.6	394.2	392.7	391.3	389.9
122.5°	419.8	420.2	421.2	422.2	423.2	424.1	423.8	422.1	420.5	418.8	417.1
125°	463.6	464.1	464.6	465.1	465.7	466.3	465.7	464.1	462.5	461.0	459.4
127.5°	506.1	506.8	507.4	508.1	508.7	509.3	508.6	506.6	504.6	502.6	500.6
130°	534.8	535.2	535.5	535.8	536.2	536.5	535.6	533.3	531.1	528.8	526.5
132.5°	563.5	564.2	564.1	564.1	564.0	563.9	563.0	561.1	559.3	557.4	555.5
135°	604.5	604.6	604.3	603.9	603.6	603.2	602.1	600.2	598.2	596.3	594.4
137.5°	644.3	644.4	644.0	643.5	643.1	642.6	641.6	640.1	638.4	636.8	635.3
140°	671.0	671.0	670.0	669.2	668.3	667.4	666.2	664.6	663.1	661.5	659.9
142.5°	695.1	695.0	694.4	693.8	693.2	692.6	691.5	689.9	688.3	686.7	685.2
145°	732.0	731.7	730.6	729.6	728.6	727.5	726.4	725.2	724.0	722.7	721.4
147.5°	764.0	763.7	763.0	762.2	761.5	760.8	759.7	758.2	756.8	755.3	753.9
150°	784.4	783.9	783.2	782.4	781.7	781.0	780.1	779.1	778.0	777.0	776.0
152.5°	804.7	804.1	803.1	802.3	801.5	800.6	799.7	798.7	797.6	796.6	795.5
155°	830.5	829.6	829.1	828.6	828.0	827.5	827.0	826.5	826.0	825.4	824.9
157.5°	854.1	852.9	852.6	852.3	852.0	851.7	851.4	851.0	850.7	850.3	850.0
160°	868.6	867.5	867.4	867.2	867.0	866.8	866.6	866.2	865.9	865.5	865.2
162.5°	881.3	880.1	880.0	879.8	879.6	879.4	879.3	879.2	879.2	879.1	879.0
165°	898.0	896.7	896.7	896.7	896.7	896.7	896.8	897.0	897.2	897.4	897.5
167.5°	911.7	910.4	910.5	910.5	910.6	910.6	910.9	911.4	911.9	912.4	912.9
170°	919.3	918.0	918.2	918.4	918.6	918.7	919.1	919.6	920.1	920.7	921.2
172.5°	924.9	923.7	923.9	924.0	924.2	924.4	924.7	925.2	925.8	926.3	926.9
175°	931.1	929.9	930.2	930.6	930.9	931.3	931.7	932.2	932.7	933.3	933.8
177.5°	934.3	933.5	933.7	934.0	934.3	934.6	934.9	935.3	935.8	936.2	936.6
180°	935.3	935.3	935.3	935.3	935.3	935.3	935.3	935.3	935.3	935.3	935.3



TEST NUMBER: P331658-840

CATALOG NUMBER: SA2XXRDIP-C485D725U840-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	1085.4	1085.4	1085.4	1085.4	1085.4	1085.4	1085.4	1085.4	1085.4	1085.4	1085.4
2.5°	1091.7	1092.6	1098.6	1101.4	1106.8	1108.9	1111.3	1110.6	1110.6	1111.9	1120.3
5°	1094.0	1101.6	1112.9	1123.8	1134.4	1143.5	1149.4	1155.5	1157.7	1168.7	1178.5
7.5°	1090.1	1104.0	1122.7	1139.3	1159.3	1175.0	1187.9	1199.6	1207.6	1223.6	1239.8
10°	1085.0	1104.6	1125.7	1147.2	1174.8	1195.5	1216.6	1232.8	1238.1	1261.8	1275.5
12.5°	1074.7	1101.0	1127.8	1155.7	1182.6	1211.1	1234.4	1250.6	1269.2	1290.5	1315.6
15°	1059.3	1089.5	1124.6	1160.4	1198.9	1233.6	1258.5	1286.8	1307.1	1330.5	1352.3
17.5°	1037.2	1076.1	1120.6	1162.2	1206.6	1243.9	1278.2	1305.3	1319.6	1332.9	1336.3
20°	1019.8	1061.6	1114.0	1163.1	1207.5	1250.5	1284.4	1307.1	1310.9	1311.2	1291.2
22.5°	1000.8	1048.0	1102.9	1153.1	1206.3	1254.2	1280.5	1290.2	1275.3	1249.7	1211.0
25°	965.8	1020.5	1084.2	1141.6	1199.6	1244.9	1253.9	1237.0	1184.6	1129.4	1059.8
27.5°	928.0	989.4	1057.7	1121.5	1183.4	1211.4	1191.8	1130.6	1036.2	954.2	854.7
30°	900.2	969.2	1036.3	1107.6	1164.9	1177.0	1132.2	1042.0	931.9	808.2	709.0
32.5°	868.5	940.8	1014.6	1088.3	1136.3	1124.5	1050.4	939.4	810.3	688.7	594.9
35°	823.2	898.0	977.4	1051.4	1082.0	1031.1	920.2	775.8	643.8	530.3	465.7
37.5°	771.0	852.3	935.0	1002.9	1000.8	915.8	764.9	615.7	504.8	437.7	391.7
40°	733.9	816.1	905.4	962.8	938.3	827.8	664.1	523.4	442.3	388.8	355.3
42.5°	698.3	780.8	869.6	915.1	872.5	736.7	573.6	463.4	396.5	354.8	327.5
45°	637.7	724.8	807.1	832.3	756.1	606.4	463.8	384.0	339.4	308.5	289.6
47.5°	578.6	664.2	739.2	739.7	636.6	491.8	391.3	332.2	294.3	270.3	256.6
50°	542.3	623.8	686.7	676.9	560.1	437.5	349.9	299.0	267.4	248.9	234.6
52.5°	501.6	580.6	635.1	607.2	495.1	385.0	312.9	270.1	243.9	227.8	215.0
55°	442.3	512.5	551.0	508.8	403.9	320.1	264.4	230.8	211.2	197.6	186.7
57.5°	384.3	442.0	466.3	417.1	332.6	265.5	223.6	198.4	178.9	169.3	163.6
60°	347.7	397.1	414.0	359.8	289.2	232.3	198.0	174.6	160.3	153.9	148.2
62.5°	311.8	352.1	359.2	309.4	252.2	203.4	173.9	154.1	144.6	138.5	133.1
65°	258.7	287.7	284.4	244.4	199.4	161.4	139.9	127.8	120.7	112.0	102.6
67.5°	213.0	230.8	220.0	190.1	152.3	125.4	111.4	102.3	93.4	85.1	83.0
70°	184.0	194.2	182.9	155.4	124.8	105.2	93.9	83.0	77.7	75.8	72.4
72.5°	156.3	159.9	147.6	124.0	101.6	87.2	76.1	70.0	67.2	65.5	63.3
75°	117.2	114.6	104.1	85.6	70.5	60.7	57.4	55.0	53.2	51.7	50.5
77.5°	82.4	78.5	69.1	57.1	49.1	44.4	42.4	41.2	40.3	39.5	38.4
80°	61.8	59.2	49.8	40.7	37.4	35.0	33.9	32.4	32.4	31.7	30.5
82.5°	45.2	42.3	34.1	29.9	28.0	26.7	25.8	24.8	24.5	24.7	23.9
85°	23.7	19.2	17.0	16.3	15.0	14.3	14.7	13.9	13.9	13.9	13.5
87.5°	7.8	6.8	6.9	7.0	7.9	8.7	9.1	9.9	10.9	10.6	10.8
90°	2.9	5.0	7.1	9.2	12.2	16.1	19.9	23.7	27.7	27.3	27.0
92.5°	15.6	17.2	18.7	20.2	21.4	22.3	23.2	24.2	25.1	25.1	25.2
95°	42.8	44.5	46.4	48.1	49.1	49.5	49.8	50.2	50.5	50.5	50.5
97.5°	76.5	78.1	79.6	81.2	82.3	82.9	83.6	84.2	84.9	84.9	84.9
100°	101.7	103.0	104.4	105.8	106.8	107.3	107.9	108.4	109.0	109.0	109.0
102.5°	127.8	129.1	130.2	131.3	132.2	132.8	133.5	134.1	134.8	134.9	135.1
105°	170.3	170.8	171.3	171.8	172.3	172.6	173.0	173.3	173.7	174.0	174.4
107.5°	213.8	214.5	215.3	216.0	216.4	216.4	216.4	216.4	216.4	216.6	216.7
110°	241.8	242.9	243.9	245.0	245.5	245.5	245.5	245.5	245.5	245.5	245.5



TEST NUMBER: P331658-840

CATALOG NUMBER: SA2XXRDIP-C485D725U840-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	272.2	273.2	274.2	275.3	275.7	275.6	275.5	275.3	275.2	274.8	274.3
115°	316.8	317.8	318.9	319.9	320.3	319.9	319.6	319.2	318.9	318.7	318.5
117.5°	361.6	363.0	364.5	365.9	366.1	365.1	364.2	363.1	362.1	361.7	361.3
120°	391.3	392.7	394.2	395.6	395.6	394.2	392.7	391.3	389.9	389.9	389.9
122.5°	418.8	420.5	422.1	423.8	424.1	423.2	422.2	421.2	420.2	419.8	419.4
125°	461.0	462.5	464.1	465.7	466.3	465.7	465.1	464.6	464.1	463.6	463.1
127.5°	502.6	504.6	506.6	508.6	509.3	508.7	508.1	507.4	506.8	506.1	505.5
130°	528.8	531.1	533.3	535.6	536.5	536.2	535.8	535.5	535.2	534.8	534.5
132.5°	557.4	559.3	561.1	563.0	563.9	564.0	564.1	564.1	564.2	563.5	562.7
135°	596.3	598.2	600.2	602.1	603.2	603.6	603.9	604.3	604.6	604.5	604.3
137.5°	636.8	638.4	640.1	641.6	642.6	643.1	643.5	644.0	644.4	644.3	644.2
140°	661.5	663.1	664.6	666.2	667.4	668.3	669.2	670.0	671.0	671.0	671.0
142.5°	686.7	688.3	689.9	691.5	692.6	693.2	693.8	694.4	695.0	695.1	695.2
145°	722.7	724.0	725.2	726.4	727.5	728.6	729.6	730.6	731.7	732.0	732.1
147.5°	755.3	756.8	758.2	759.7	760.8	761.5	762.2	763.0	763.7	764.0	764.4
150°	777.0	778.0	779.1	780.1	781.0	781.7	782.4	783.2	783.9	784.4	784.9
152.5°	796.6	797.6	798.7	799.7	800.6	801.5	802.3	803.1	804.1	804.7	805.4
155°	825.4	826.0	826.5	827.0	827.5	828.0	828.6	829.1	829.6	830.5	831.3
157.5°	850.3	850.7	851.0	851.4	851.7	852.0	852.3	852.6	852.9	854.1	855.4
160°	865.5	865.9	866.2	866.6	866.8	867.0	867.2	867.4	867.5	868.6	869.6
162.5°	879.1	879.2	879.2	879.3	879.4	879.6	879.8	880.0	880.1	881.3	882.5
165°	897.4	897.2	897.0	896.8	896.7	896.7	896.7	896.7	896.7	898.0	899.2
167.5°	912.4	911.9	911.4	910.9	910.6	910.6	910.5	910.5	910.4	911.7	912.9
170°	920.7	920.1	919.6	919.1	918.7	918.6	918.4	918.2	918.0	919.3	920.5
172.5°	926.3	925.8	925.2	924.7	924.4	924.2	924.0	923.9	923.7	924.9	926.1
175°	933.3	932.7	932.2	931.7	931.3	930.9	930.6	930.2	929.9	931.1	932.3
177.5°	936.2	935.8	935.3	934.9	934.6	934.3	934.0	933.7	933.5	934.3	935.1
180°	935.3	935.3	935.3	935.3	935.3	935.3	935.3	935.3	935.3	935.3	935.3



TEST NUMBER: P331658-840

CATALOG NUMBER: SA2XXRDIP-C485D725U840-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	1085.4	1085.4	1085.4	1085.4	1085.4	1085.4	1085.4
2.5°	1123.4	1127.3	1129.1	1129.1	1131.3	1130.3	1129.4
5°	1187.9	1195.1	1196.6	1203.4	1208.3	1206.8	1207.5
7.5°	1252.1	1263.6	1275.1	1280.2	1281.1	1284.1	1285.3
10°	1291.6	1301.1	1318.8	1316.2	1329.4	1336.9	1324.4
12.5°	1329.7	1342.4	1354.7	1358.1	1365.5	1368.0	1363.0
15°	1364.0	1370.8	1371.6	1369.7	1372.0	1370.1	1362.9
17.5°	1331.9	1320.9	1298.6	1288.0	1279.6	1267.3	1262.3
20°	1278.8	1246.4	1208.7	1193.6	1175.9	1141.1	1149.4
22.5°	1164.2	1127.2	1089.5	1045.4	1024.4	991.5	989.6
25°	985.8	922.1	851.9	802.8	774.3	741.4	727.1
27.5°	766.5	686.2	628.7	599.7	573.1	547.1	546.0
30°	622.3	561.9	517.5	492.5	476.4	465.3	467.7
32.5°	524.5	483.1	453.1	432.5	420.5	412.2	412.1
35°	428.8	400.5	381.2	372.6	364.0	357.9	358.3
37.5°	367.0	349.9	339.2	329.7	324.3	321.3	319.6
40°	335.3	321.3	313.1	307.4	302.9	298.7	297.9
42.5°	310.2	298.7	290.3	285.9	281.8	278.7	278.0
45°	275.3	265.9	258.3	253.4	251.6	248.9	248.9
47.5°	244.9	235.6	229.7	226.6	223.4	221.7	221.6
50°	224.4	217.2	212.0	210.1	207.4	206.3	205.9
52.5°	206.0	200.7	196.8	195.6	194.4	193.0	193.2
55°	181.0	178.0	176.5	175.3	173.5	171.2	172.7
57.5°	160.0	157.4	153.3	149.8	148.0	146.4	147.0
60°	145.2	139.9	134.6	130.5	129.4	125.9	125.9
62.5°	126.5	119.1	112.6	110.3	109.2	107.6	107.2
65°	97.3	94.3	92.8	91.3	90.5	90.5	89.8
67.5°	80.6	79.4	77.8	77.4	76.6	76.4	76.1
70°	71.3	69.8	69.0	68.7	67.9	68.3	67.2
72.5°	62.2	61.0	60.9	59.9	59.5	59.5	58.7
75°	49.0	49.0	48.7	48.3	47.6	47.2	47.6
77.5°	37.7	37.8	37.1	37.1	37.0	37.1	36.7
80°	30.2	30.5	30.2	29.8	29.4	29.8	29.4
82.5°	23.8	23.3	23.2	23.1	23.1	22.8	22.8
85°	13.5	13.9	13.5	13.2	13.2	13.2	13.5
87.5°	10.4	10.4	10.4	10.4	10.4	10.5	10.2
90°	26.6	26.3	26.2	26.4	26.5	26.7	26.9
92.5°	25.3	25.3	25.4	25.4	25.5	25.5	25.5
95°	50.5	50.5	50.4	50.0	49.7	49.3	49.0
97.5°	84.9	84.9	84.9	84.9	84.8	84.8	84.7
100°	109.0	109.0	108.9	108.7	108.5	108.4	108.2
102.5°	135.2	135.4	135.3	135.2	135.0	134.8	134.6
105°	174.7	175.1	175.2	175.2	175.2	175.2	175.2
107.5°	216.8	217.0	216.7	215.9	215.1	214.3	213.5
110°	245.5	245.5	245.2	244.7	244.2	243.7	243.1



TEST NUMBER: P331658-840

CATALOG NUMBER: SA2XXRDIP-C485D725U840-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
112.5°	273.9	273.5	273.1	272.7	272.3	272.0	271.6
115°	318.4	318.2	317.8	317.3	316.8	316.3	315.8
117.5°	360.9	360.4	360.0	359.5	358.9	358.4	357.9
120°	389.9	389.9	389.7	389.1	388.6	388.1	387.6
122.5°	419.0	418.6	418.2	417.8	417.4	417.0	416.7
125°	462.5	462.0	461.7	461.5	461.3	461.2	461.0
127.5°	504.8	504.2	503.6	503.1	502.5	502.0	501.4
130°	534.1	533.8	533.2	532.5	531.9	531.2	530.5
132.5°	561.9	561.2	560.5	559.9	559.4	558.8	558.3
135°	604.1	603.9	603.6	603.1	602.6	602.0	601.5
137.5°	644.0	643.9	643.5	642.8	642.1	641.4	640.7
140°	671.0	671.0	670.6	669.9	669.2	668.5	667.8
142.5°	695.4	695.5	695.2	694.5	693.8	693.2	692.5
145°	732.3	732.5	732.2	731.4	730.7	730.0	729.3
147.5°	764.8	765.2	765.1	764.4	763.7	763.1	762.3
150°	785.4	786.0	786.0	785.4	784.9	784.4	783.9
152.5°	806.1	806.7	806.7	806.1	805.4	804.7	804.1
155°	832.2	833.1	833.3	832.7	832.2	831.7	831.2
157.5°	856.6	857.8	857.9	857.1	856.3	855.4	854.5
160°	870.7	871.7	871.9	871.2	870.5	869.8	869.1
162.5°	883.7	884.9	885.0	884.2	883.4	882.5	881.7
165°	900.4	901.6	901.8	900.9	900.0	899.2	898.3
167.5°	914.1	915.3	915.5	914.6	913.7	912.8	911.9
170°	921.7	922.9	923.0	922.0	920.9	919.9	918.8
172.5°	927.4	928.6	928.7	927.7	926.6	925.5	924.5
175°	933.5	934.7	934.8	933.8	932.7	931.7	930.7
177.5°	936.0	936.9	936.9	936.0	935.1	934.3	933.5
180°	935.3	935.3	935.3	935.3	935.3	935.3	935.3

(END OF REPORT)