

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: P331657-840

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

Issue Date: 10/7/2019

Test Information

Test Method: LM-79-08
Report Number: P331657-840
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1807-864-2,
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-A
Description: DEFINE 2 DIRECT-INDIRECT PENDANT LED LUMINAIRE
DOWNLIGHT 485 LUMENS PER FOOT, ASYMMETRIC DIFFUSER, REGRESSED HOUSING
UPLIGHT 725 LUMENS PER FOOT, NO LENS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4803.9 lumens
Efficiency: N/A
Efficacy: 125.1 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: Semi-Indirect

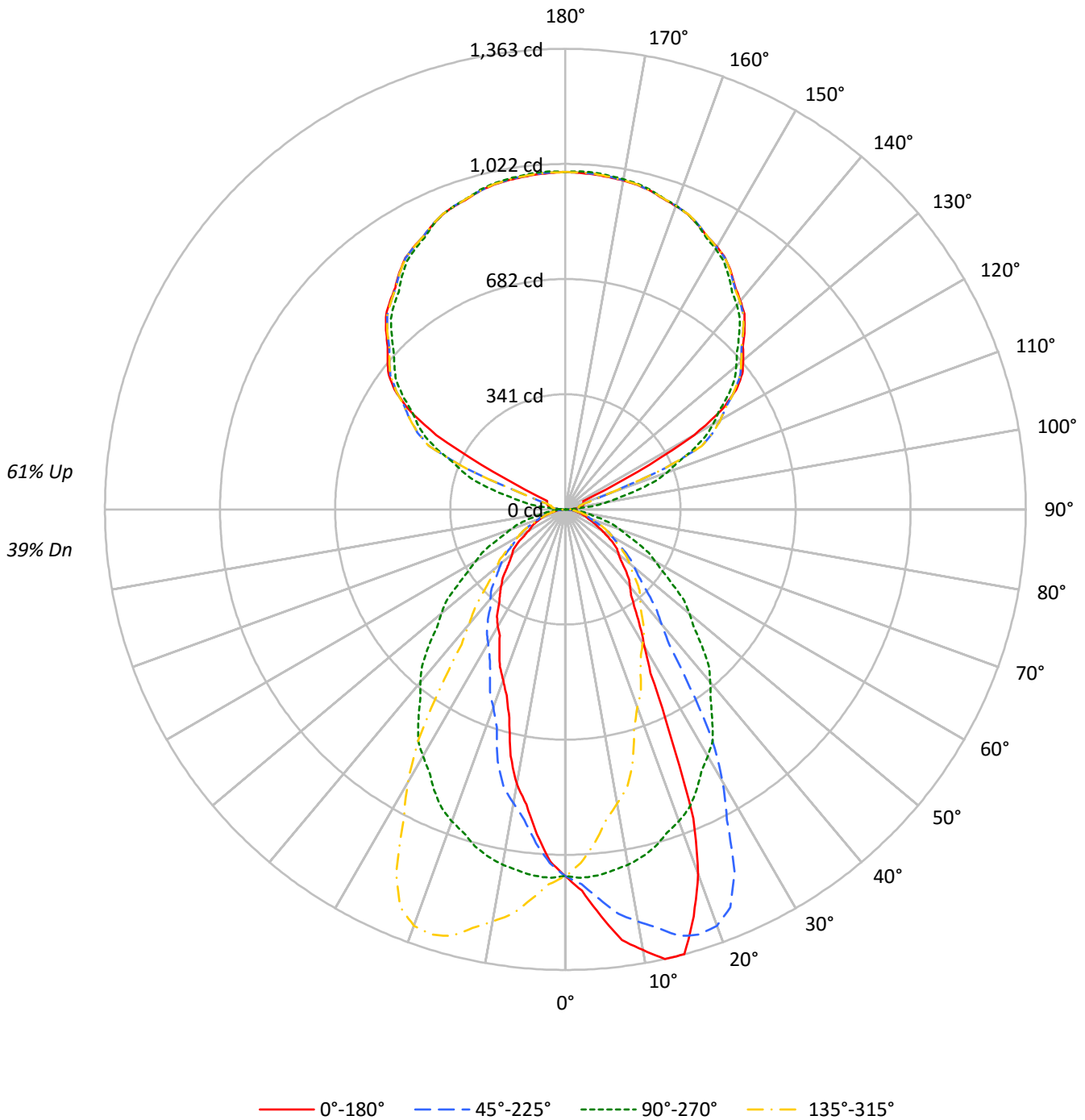
Input Watts (W): 38.4
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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

Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20	
RC	80				70				50				30				10	0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0
RCR																		
0	105	105	105	105	95	95	95	95	77	77	77	61	61	61	46	46	46	39
1	96	92	88	85	87	84	81	78	69	66	65	55	53	52	42	41	40	34
2	88	81	75	70	80	74	69	65	61	57	54	49	46	44	37	36	35	30
3	81	72	65	59	73	66	60	55	54	50	47	44	41	38	34	32	30	26
4	74	64	57	51	67	59	52	47	49	44	40	39	36	33	31	28	27	23
5	68	57	50	44	62	53	46	41	44	39	35	36	32	29	28	26	24	20
6	63	52	44	38	57	47	41	36	40	35	31	32	29	26	26	23	21	18
7	58	47	39	34	53	43	37	32	36	31	28	30	26	23	24	21	19	17
8	54	43	35	30	49	39	33	28	33	28	25	27	24	21	22	19	17	15
9	51	39	32	27	46	36	30	25	31	26	22	25	22	19	20	18	16	14
10	47	36	29	24	43	33	27	23	28	23	20	23	20	17	19	16	15	13

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: P331657-840

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	102.9	2.1
10°-20°	286.7	6.0
20°-30°	369.4	7.7
30°-40°	351.1	7.3
40°-50°	300.7	6.3
50°-60°	229.0	4.8
60°-70°	144.8	3.0
70°-80°	72.3	1.5
80°-90°	21.3	0.4
90°-100°	33.3	0.7
100°-110°	122.1	2.5
110°-120°	326.4	6.8
120°-130°	538.9	11.2
130°-140°	573.1	11.9
140°-150°	532.7	11.1
150°-160°	428.3	8.9
160°-170°	276.0	5.7
170°-180°	95.0	2.0
0°-30°	759.0	15.8
0°-40°	1110.1	23.1
0°-60°	1639.8	34.1
0°-90°	1878.2	39.1
90°-120°	481.9	10.0
90°-150°	2126.5	44.3
90°-180°	2926.0	60.9
0°-180°	4803.9	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°	20	1	20	1	20	9
95°	31	47	31	47	31	29
105°	55	220	55	220	55	57
115°	59	415	59	415	59	148
125°	618	587	618	587	618	534
135°	750	727	750	727	750	578
145°	856	843	856	843	856	535
155°	929	928	929	928	929	429
165°	976	978	976	978	976	276
175°	995	1000	995	1000	995	95
180°	998	998	998	998	998	



TEST NUMBER: P331657-840

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

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°	8.7	9.0	8.9	8.9	8.8	8.7	8.5	8.7	8.2	8.3	7.8
90°	19.5	19.2	18.9	18.6	18.2	17.7	16.9	16.1	15.2	14.4	13.1
92.5°	19.5	19.3	19.1	18.9	18.8	18.4	18.0	17.6	17.2	16.8	16.2
95°	31.1	31.2	31.4	31.5	31.7	31.4	30.6	29.8	29.0	28.2	27.1
97.5°	41.5	41.3	41.1	40.9	40.7	40.3	39.6	39.0	38.4	37.7	35.1
100°	48.4	48.1	47.8	47.5	47.2	46.4	45.0	43.7	42.4	41.2	38.5
102.5°	51.9	51.4	51.0	50.5	50.1	49.0	47.4	45.6	44.0	42.3	38.5
105°	54.9	54.2	53.6	53.0	52.3	51.1	49.4	47.6	45.8	44.0	38.5
107.5°	56.5	55.8	55.2	54.5	53.9	54.5	56.2	58.1	59.9	61.7	114.2
110°	57.1	56.5	55.7	55.1	54.5	62.2	78.3	94.3	110.4	126.4	172.8



TEST NUMBER: P331657-840

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

CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	57.7	57.2	56.7	56.1	55.5	84.6	143.2	201.8	260.3	318.8	330.3
115°	59.3	70.8	82.3	93.9	105.4	148.5	222.8	297.1	371.4	445.8	441.7
117.5°	241.9	279.8	317.8	355.8	393.7	421.7	439.7	457.8	475.7	493.7	490.9
120°	440.7	462.3	484.0	505.6	527.4	537.2	535.3	533.4	531.4	529.5	526.6
122.5°	549.9	554.1	558.3	562.5	566.7	568.3	567.0	565.9	564.7	563.6	560.5
125°	617.6	617.1	616.7	616.2	615.7	614.9	613.8	612.7	611.6	610.5	607.3
127.5°	660.5	660.4	660.2	660.1	660.0	659.1	657.5	655.9	654.3	652.6	650.4
130°	687.0	687.1	687.3	687.5	687.6	686.8	685.1	683.3	681.6	679.7	678.0
132.5°	713.0	713.2	713.4	713.5	713.7	713.0	711.4	709.9	708.4	706.9	705.2
135°	750.5	750.8	751.2	751.5	751.8	751.2	749.6	748.0	746.4	744.8	743.4
137.5°	784.8	785.4	785.9	786.5	787.0	786.5	784.9	783.4	781.7	780.2	778.5
140°	806.2	807.0	807.8	808.6	809.4	809.1	807.6	806.2	804.8	803.3	801.5
142.5°	827.0	827.8	828.6	829.4	830.2	829.9	828.6	827.3	826.0	824.7	822.6
145°	856.1	856.9	857.7	858.5	859.2	859.1	858.0	856.9	855.8	854.5	851.8
147.5°	881.6	882.3	882.9	883.6	884.3	884.2	883.4	882.5	881.7	880.9	878.2
150°	897.2	898.0	898.8	899.6	900.4	900.3	899.4	898.4	897.5	896.5	893.9
152.5°	910.5	911.6	912.6	913.7	914.7	914.8	913.8	912.8	911.9	910.9	908.5
155°	929.0	930.3	931.6	932.8	934.1	934.3	933.3	932.4	931.4	930.4	928.5
157.5°	945.9	947.2	948.4	949.7	950.9	951.0	949.9	948.8	947.8	946.6	945.2
160°	955.7	956.8	958.0	959.1	960.2	960.3	959.4	958.4	957.5	956.4	955.4
162.5°	963.8	965.2	966.5	968.0	969.4	969.5	968.4	967.2	966.2	965.1	964.3
165°	975.9	977.0	978.2	979.4	980.5	980.5	979.4	978.2	977.0	975.9	975.4
167.5°	983.6	985.0	986.5	988.0	989.4	989.6	988.5	987.3	986.1	985.0	984.6
170°	988.3	989.7	991.1	992.6	994.0	994.2	993.0	991.9	990.8	989.7	989.4
172.5°	991.7	993.1	994.6	996.0	997.4	997.6	996.5	995.4	994.3	993.1	992.8
175°	994.7	996.3	997.9	999.6	1001.2	1001.4	1000.3	999.2	998.0	996.9	996.5
177.5°	996.6	997.7	999.0	1000.1	1001.3	1001.4	1000.5	999.6	998.7	997.7	997.6
180°	998.4	998.4	998.4	998.4	998.4	998.4	998.4	998.4	998.4	998.4	998.4



TEST NUMBER: P331657-840

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

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°	7.5	7.6	7.3	6.7	6.7	6.6	7.8	8.9	8.1	7.5	7.3
90°	11.9	10.6	9.3	7.8	6.1	4.2	2.5	0.7	2.5	4.2	6.1
92.5°	15.5	14.8	14.2	13.9	14.1	14.2	14.4	14.5	14.4	14.2	14.1
95°	26.0	24.8	23.6	25.8	31.1	36.4	41.7	47.0	41.7	36.4	31.1
97.5°	32.5	29.9	27.3	33.4	48.4	63.3	78.3	93.2	78.3	63.3	48.4
100°	35.7	33.0	30.3	39.9	61.9	83.9	105.8	127.8	105.8	83.9	61.9
102.5°	88.0	110.8	133.6	147.3	152.1	156.7	161.4	166.0	161.4	156.7	152.1
105°	131.7	175.5	219.3	238.8	234.1	229.2	224.4	219.6	224.4	229.2	234.1
107.5°	166.8	219.3	272.0	296.3	292.4	288.5	284.6	280.7	284.6	288.5	292.4
110°	219.2	265.6	311.9	333.5	330.1	326.8	323.4	320.0	323.4	326.8	330.1



TEST NUMBER: P331657-840

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

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	341.7	353.3	364.7	368.9	366.0	362.9	360.0	357.0	360.0	362.9	366.0
115°	437.7	433.6	429.7	426.3	423.5	420.8	418.1	415.4	418.1	420.8	423.5
117.5°	488.2	485.4	482.6	479.7	476.7	473.6	470.6	467.6	470.6	473.6	476.7
120°	523.7	520.9	518.0	515.3	512.9	510.5	508.1	505.6	508.1	510.5	512.9
122.5°	557.3	554.2	551.0	548.2	545.6	543.1	540.6	538.1	540.6	543.1	545.6
125°	604.3	601.3	598.2	595.6	593.6	591.5	589.4	587.3	589.4	591.5	593.6
127.5°	648.0	645.8	643.5	641.2	638.8	636.6	634.3	632.0	634.3	636.6	638.8
130°	676.2	674.5	672.7	670.6	667.9	665.4	662.9	660.2	662.9	665.4	667.9
132.5°	703.4	701.7	699.8	697.9	695.7	693.6	691.4	689.1	691.4	693.6	695.7
135°	741.8	740.4	739.0	737.0	734.5	731.8	729.3	726.7	729.3	731.8	734.5
137.5°	776.9	775.3	773.7	771.9	770.1	768.3	766.5	764.8	766.5	768.3	770.1
140°	799.8	798.0	796.3	794.7	793.5	792.1	790.8	789.6	790.8	792.1	793.5
142.5°	820.6	818.6	816.6	815.0	813.9	812.7	811.5	810.4	811.5	812.7	813.9
145°	849.1	846.4	843.6	842.4	842.5	842.7	842.8	843.0	842.8	842.7	842.5
147.5°	875.5	872.8	870.1	869.1	869.7	870.3	870.9	871.5	870.9	870.3	869.7
150°	891.3	888.8	886.3	885.4	886.7	887.8	888.9	890.0	888.9	887.8	886.7
152.5°	906.1	903.6	901.2	900.6	901.8	903.1	904.3	905.5	904.3	903.1	901.8
155°	926.6	924.6	922.7	922.5	923.9	925.3	926.9	928.3	926.9	925.3	923.9
157.5°	943.9	942.6	941.2	941.2	942.4	943.6	944.8	946.0	944.8	943.6	942.4
160°	954.5	953.5	952.6	952.6	953.5	954.5	955.4	956.4	955.4	954.5	953.5
162.5°	963.4	962.6	961.8	961.8	962.8	963.8	964.7	965.7	964.7	963.8	962.8
165°	975.0	974.5	974.0	974.2	975.2	976.2	977.1	978.2	977.1	976.2	975.2
167.5°	984.1	983.7	983.2	983.5	984.5	985.4	986.4	987.3	986.4	985.4	984.5
170°	989.1	988.8	988.4	988.8	989.7	990.7	991.6	992.6	991.6	990.7	989.7
172.5°	992.5	992.2	991.9	992.2	993.1	994.1	995.0	996.0	995.0	994.1	993.1
175°	996.2	995.9	995.6	996.0	997.1	998.3	999.4	1000.5	999.4	998.3	997.1
177.5°	997.5	997.3	997.2	997.6	998.6	999.5	1000.4	1001.3	1000.4	999.5	998.6
180°	998.4	998.4	998.4	998.4	998.4	998.4	998.4	998.4	998.4	998.4	998.4



TEST NUMBER: P331657-840
 CATALOG NUMBER: SA2XXRDIP-C485D725U840-4F0-1E-UDD-A

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°	7.3	7.3	7.0	7.2	7.5	7.4	7.6	7.5	7.6	7.8	7.6
90°	7.8	9.3	10.6	11.9	13.1	14.4	15.2	16.1	16.9	17.7	18.2
92.5°	13.9	14.2	14.8	15.5	16.2	16.8	17.2	17.6	18.0	18.4	18.8
95°	25.8	23.6	24.8	26.0	27.1	28.2	29.0	29.8	30.6	31.4	31.7
97.5°	33.4	27.3	29.9	32.5	35.1	37.7	38.4	39.0	39.6	40.3	40.7
100°	39.9	30.3	33.0	35.7	38.5	41.2	42.4	43.7	45.0	46.4	47.2
102.5°	147.3	133.6	110.8	88.0	65.1	42.3	44.0	45.6	47.4	49.0	50.1
105°	238.8	219.3	175.5	131.7	87.9	44.0	45.8	47.6	49.4	51.1	52.3
107.5°	296.3	272.0	219.3	166.8	114.2	61.7	59.9	58.1	56.2	54.5	53.9
110°	333.5	311.9	265.6	219.2	172.8	126.4	110.4	94.3	78.3	62.2	54.5



TEST NUMBER: P331657-840

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

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	368.9	364.7	353.3	341.7	330.3	318.8	260.3	201.8	143.2	84.6	55.5
115°	426.3	429.7	433.6	437.7	441.7	445.8	371.4	297.1	222.8	148.5	105.4
117.5°	479.7	482.6	485.4	488.2	490.9	493.7	475.7	457.8	439.7	421.7	393.7
120°	515.3	518.0	520.9	523.7	526.6	529.5	531.4	533.4	535.3	537.2	527.4
122.5°	548.2	551.0	554.2	557.3	560.5	563.6	564.7	565.9	567.0	568.3	566.7
125°	595.6	598.2	601.3	604.3	607.3	610.5	611.6	612.7	613.8	614.9	615.7
127.5°	641.2	643.5	645.8	648.0	650.4	652.6	654.3	655.9	657.5	659.1	660.0
130°	670.6	672.7	674.5	676.2	678.0	679.7	681.6	683.3	685.1	686.8	687.6
132.5°	697.9	699.8	701.7	703.4	705.2	706.9	708.4	709.9	711.4	713.0	713.7
135°	737.0	739.0	740.4	741.8	743.4	744.8	746.4	748.0	749.6	751.2	751.8
137.5°	771.9	773.7	775.3	776.9	778.5	780.2	781.7	783.4	784.9	786.5	787.0
140°	794.7	796.3	798.0	799.8	801.5	803.3	804.8	806.2	807.6	809.1	809.4
142.5°	815.0	816.6	818.6	820.6	822.6	824.7	826.0	827.3	828.6	829.9	830.2
145°	842.4	843.6	846.4	849.1	851.8	854.5	855.8	856.9	858.0	859.1	859.2
147.5°	869.1	870.1	872.8	875.5	878.2	880.9	881.7	882.5	883.4	884.2	884.3
150°	885.4	886.3	888.8	891.3	893.9	896.5	897.5	898.4	899.4	900.3	900.4
152.5°	900.6	901.2	903.6	906.1	908.5	910.9	911.9	912.8	913.8	914.8	914.7
155°	922.5	922.7	924.6	926.6	928.5	930.4	931.4	932.4	933.3	934.3	934.1
157.5°	941.2	941.2	942.6	943.9	945.2	946.6	947.8	948.8	949.9	951.0	950.9
160°	952.6	952.6	953.5	954.5	955.4	956.4	957.5	958.4	959.4	960.3	960.2
162.5°	961.8	961.8	962.6	963.4	964.3	965.1	966.2	967.2	968.4	969.5	969.4
165°	974.2	974.0	974.5	975.0	975.4	975.9	977.0	978.2	979.4	980.5	980.5
167.5°	983.5	983.2	983.7	984.1	984.6	985.0	986.1	987.3	988.5	989.6	989.4
170°	988.8	988.4	988.8	989.1	989.4	989.7	990.8	991.9	993.0	994.2	994.0
172.5°	992.2	991.9	992.2	992.5	992.8	993.1	994.3	995.4	996.5	997.6	997.4
175°	996.0	995.6	995.9	996.2	996.5	996.9	998.0	999.2	1000.3	1001.4	1001.2
177.5°	997.6	997.2	997.3	997.5	997.6	997.7	998.7	999.6	1000.5	1001.4	1001.3
180°	998.4	998.4	998.4	998.4	998.4	998.4	998.4	998.4	998.4	998.4	998.4



TEST NUMBER: P331657-840

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

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°	7.7	7.4	7.8	7.5	7.8	7.4	7.7	7.6	7.8	7.6	7.5
90°	18.6	18.9	19.2	19.5	19.2	18.9	18.6	18.2	17.7	16.9	16.1
92.5°	18.9	19.1	19.3	19.5	19.3	19.1	18.9	18.8	18.4	18.0	17.6
95°	31.5	31.4	31.2	31.1	31.2	31.4	31.5	31.7	31.4	30.6	29.8
97.5°	40.9	41.1	41.3	41.5	41.3	41.1	40.9	40.7	40.3	39.6	39.0
100°	47.5	47.8	48.1	48.4	48.1	47.8	47.5	47.2	46.4	45.0	43.7
102.5°	50.5	51.0	51.4	51.9	51.4	51.0	50.5	50.1	49.0	47.4	45.6
105°	53.0	53.6	54.2	54.9	54.2	53.6	53.0	52.3	51.1	49.4	47.6
107.5°	54.5	55.2	55.8	56.5	55.8	55.2	54.5	53.9	54.5	56.2	58.1
110°	55.1	55.7	56.5	57.1	56.5	55.7	55.1	54.5	62.2	78.3	94.3



TEST NUMBER: P331657-840

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

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	56.1	56.7	57.2	57.7	57.2	56.7	56.1	55.5	84.6	143.2	201.8
115°	93.9	82.3	70.8	59.3	70.8	82.3	93.9	105.4	148.5	222.8	297.1
117.5°	355.8	317.8	279.8	241.9	279.8	317.8	355.8	393.7	421.7	439.7	457.8
120°	505.6	484.0	462.3	440.7	462.3	484.0	505.6	527.4	537.2	535.3	533.4
122.5°	562.5	558.3	554.1	549.9	554.1	558.3	562.5	566.7	568.3	567.0	565.9
125°	616.2	616.7	617.1	617.6	617.1	616.7	616.2	615.7	614.9	613.8	612.7
127.5°	660.1	660.2	660.4	660.5	660.4	660.2	660.1	660.0	659.1	657.5	655.9
130°	687.5	687.3	687.1	687.0	687.1	687.3	687.5	687.6	686.8	685.1	683.3
132.5°	713.5	713.4	713.2	713.0	713.2	713.4	713.5	713.7	713.0	711.4	709.9
135°	751.5	751.2	750.8	750.5	750.8	751.2	751.5	751.8	751.2	749.6	748.0
137.5°	786.5	785.9	785.4	784.8	785.4	785.9	786.5	787.0	786.5	784.9	783.4
140°	808.6	807.8	807.0	806.2	807.0	807.8	808.6	809.4	809.1	807.6	806.2
142.5°	829.4	828.6	827.8	827.0	827.8	828.6	829.4	830.2	829.9	828.6	827.3
145°	858.5	857.7	856.9	856.1	856.9	857.7	858.5	859.2	859.1	858.0	856.9
147.5°	883.6	882.9	882.3	881.6	882.3	882.9	883.6	884.3	884.2	883.4	882.5
150°	899.6	898.8	898.0	897.2	898.0	898.8	899.6	900.4	900.3	899.4	898.4
152.5°	913.7	912.6	911.6	910.5	911.6	912.6	913.7	914.7	914.8	913.8	912.8
155°	932.8	931.6	930.3	929.0	930.3	931.6	932.8	934.1	934.3	933.3	932.4
157.5°	949.7	948.4	947.2	945.9	947.2	948.4	949.7	950.9	951.0	949.9	948.8
160°	959.1	958.0	956.8	955.7	956.8	958.0	959.1	960.2	960.3	959.4	958.4
162.5°	968.0	966.5	965.2	963.8	965.2	966.5	968.0	969.4	969.5	968.4	967.2
165°	979.4	978.2	977.0	975.9	977.0	978.2	979.4	980.5	980.5	979.4	978.2
167.5°	988.0	986.5	985.0	983.6	985.0	986.5	988.0	989.4	989.6	988.5	987.3
170°	992.6	991.1	989.7	988.3	989.7	991.1	992.6	994.0	994.2	993.0	991.9
172.5°	996.0	994.6	993.1	991.7	993.1	994.6	996.0	997.4	997.6	996.5	995.4
175°	999.6	997.9	996.3	994.7	996.3	997.9	999.6	1001.2	1001.4	1000.3	999.2
177.5°	1000.1	999.0	997.7	996.6	997.7	999.0	1000.1	1001.3	1001.4	1000.5	999.6
180°	998.4	998.4	998.4	998.4	998.4	998.4	998.4	998.4	998.4	998.4	998.4



TEST NUMBER: P331657-840

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

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°	7.6	7.4	7.5	7.2	7.0	7.3	7.3	7.3	7.5	8.1	8.9
90°	15.2	14.4	13.1	11.9	10.6	9.3	7.8	6.1	4.2	2.5	0.7
92.5°	17.2	16.8	16.2	15.5	14.8	14.2	13.9	14.1	14.2	14.4	14.5
95°	29.0	28.2	27.1	26.0	24.8	23.6	25.8	31.1	36.4	41.7	47.0
97.5°	38.4	37.7	35.1	32.5	29.9	27.3	33.4	48.4	63.3	78.3	93.2
100°	42.4	41.2	38.5	35.7	33.0	30.3	39.9	61.9	83.9	105.8	127.8
102.5°	44.0	42.3	65.1	88.0	110.8	133.6	147.3	152.1	156.7	161.4	166.0
105°	45.8	44.0	87.9	131.7	175.5	219.3	238.8	234.1	229.2	224.4	219.6
107.5°	59.9	61.7	114.2	166.8	219.3	272.0	296.3	292.4	288.5	284.6	280.7
110°	110.4	126.4	172.8	219.2	265.6	311.9	333.5	330.1	326.8	323.4	320.0



TEST NUMBER: P331657-840

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

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	260.3	318.8	330.3	341.7	353.3	364.7	368.9	366.0	362.9	360.0	357.0
115°	371.4	445.8	441.7	437.7	433.6	429.7	426.3	423.5	420.8	418.1	415.4
117.5°	475.7	493.7	490.9	488.2	485.4	482.6	479.7	476.7	473.6	470.6	467.6
120°	531.4	529.5	526.6	523.7	520.9	518.0	515.3	512.9	510.5	508.1	505.6
122.5°	564.7	563.6	560.5	557.3	554.2	551.0	548.2	545.6	543.1	540.6	538.1
125°	611.6	610.5	607.3	604.3	601.3	598.2	595.6	593.6	591.5	589.4	587.3
127.5°	654.3	652.6	650.4	648.0	645.8	643.5	641.2	638.8	636.6	634.3	632.0
130°	681.6	679.7	678.0	676.2	674.5	672.7	670.6	667.9	665.4	662.9	660.2
132.5°	708.4	706.9	705.2	703.4	701.7	699.8	697.9	695.7	693.6	691.4	689.1
135°	746.4	744.8	743.4	741.8	740.4	739.0	737.0	734.5	731.8	729.3	726.7
137.5°	781.7	780.2	778.5	776.9	775.3	773.7	771.9	770.1	768.3	766.5	764.8
140°	804.8	803.3	801.5	799.8	798.0	796.3	794.7	793.5	792.1	790.8	789.6
142.5°	826.0	824.7	822.6	820.6	818.6	816.6	815.0	813.9	812.7	811.5	810.4
145°	855.8	854.5	851.8	849.1	846.4	843.6	842.4	842.5	842.7	842.8	843.0
147.5°	881.7	880.9	878.2	875.5	872.8	870.1	869.1	869.7	870.3	870.9	871.5
150°	897.5	896.5	893.9	891.3	888.8	886.3	885.4	886.7	887.8	888.9	890.0
152.5°	911.9	910.9	908.5	906.1	903.6	901.2	900.6	901.8	903.1	904.3	905.5
155°	931.4	930.4	928.5	926.6	924.6	922.7	922.5	923.9	925.3	926.9	928.3
157.5°	947.8	946.6	945.2	943.9	942.6	941.2	941.2	942.4	943.6	944.8	946.0
160°	957.5	956.4	955.4	954.5	953.5	952.6	952.6	953.5	954.5	955.4	956.4
162.5°	966.2	965.1	964.3	963.4	962.6	961.8	961.8	962.8	963.8	964.7	965.7
165°	977.0	975.9	975.4	975.0	974.5	974.0	974.2	975.2	976.2	977.1	978.2
167.5°	986.1	985.0	984.6	984.1	983.7	983.2	983.5	984.5	985.4	986.4	987.3
170°	990.8	989.7	989.4	989.1	988.8	988.4	988.8	989.7	990.7	991.6	992.6
172.5°	994.3	993.1	992.8	992.5	992.2	991.9	992.2	993.1	994.1	995.0	996.0
175°	998.0	996.9	996.5	996.2	995.9	995.6	996.0	997.1	998.3	999.4	1000.5
177.5°	998.7	997.7	997.6	997.5	997.3	997.2	997.6	998.6	999.5	1000.4	1001.3
180°	998.4	998.4	998.4	998.4	998.4	998.4	998.4	998.4	998.4	998.4	998.4



TEST NUMBER: P331657-840

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

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	6.6	6.7	6.7	7.3	7.6	7.5	7.8	8.3	8.2	8.7
90°	2.5	4.2	6.1	7.8	9.3	10.6	11.9	13.1	14.4	15.2	16.1
92.5°	14.4	14.2	14.1	13.9	14.2	14.8	15.5	16.2	16.8	17.2	17.6
95°	41.7	36.4	31.1	25.8	23.6	24.8	26.0	27.1	28.2	29.0	29.8
97.5°	78.3	63.3	48.4	33.4	27.3	29.9	32.5	35.1	37.7	38.4	39.0
100°	105.8	83.9	61.9	39.9	30.3	33.0	35.7	38.5	41.2	42.4	43.7
102.5°	161.4	156.7	152.1	147.3	133.6	110.8	88.0	65.1	42.3	44.0	45.6
105°	224.4	229.2	234.1	238.8	219.3	175.5	131.7	87.9	44.0	45.8	47.6
107.5°	284.6	288.5	292.4	296.3	272.0	219.3	166.8	114.2	61.7	59.9	58.1
110°	323.4	326.8	330.1	333.5	311.9	265.6	219.2	172.8	126.4	110.4	94.3



TEST NUMBER: P331657-840

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

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	360.0	362.9	366.0	368.9	364.7	353.3	341.7	330.3	318.8	260.3	201.8
115°	418.1	420.8	423.5	426.3	429.7	433.6	437.7	441.7	445.8	371.4	297.1
117.5°	470.6	473.6	476.7	479.7	482.6	485.4	488.2	490.9	493.7	475.7	457.8
120°	508.1	510.5	512.9	515.3	518.0	520.9	523.7	526.6	529.5	531.4	533.4
122.5°	540.6	543.1	545.6	548.2	551.0	554.2	557.3	560.5	563.6	564.7	565.9
125°	589.4	591.5	593.6	595.6	598.2	601.3	604.3	607.3	610.5	611.6	612.7
127.5°	634.3	636.6	638.8	641.2	643.5	645.8	648.0	650.4	652.6	654.3	655.9
130°	662.9	665.4	667.9	670.6	672.7	674.5	676.2	678.0	679.7	681.6	683.3
132.5°	691.4	693.6	695.7	697.9	699.8	701.7	703.4	705.2	706.9	708.4	709.9
135°	729.3	731.8	734.5	737.0	739.0	740.4	741.8	743.4	744.8	746.4	748.0
137.5°	766.5	768.3	770.1	771.9	773.7	775.3	776.9	778.5	780.2	781.7	783.4
140°	790.8	792.1	793.5	794.7	796.3	798.0	799.8	801.5	803.3	804.8	806.2
142.5°	811.5	812.7	813.9	815.0	816.6	818.6	820.6	822.6	824.7	826.0	827.3
145°	842.8	842.7	842.5	842.4	843.6	846.4	849.1	851.8	854.5	855.8	856.9
147.5°	870.9	870.3	869.7	869.1	870.1	872.8	875.5	878.2	880.9	881.7	882.5
150°	888.9	887.8	886.7	885.4	886.3	888.8	891.3	893.9	896.5	897.5	898.4
152.5°	904.3	903.1	901.8	900.6	901.2	903.6	906.1	908.5	910.9	911.9	912.8
155°	926.9	925.3	923.9	922.5	922.7	924.6	926.6	928.5	930.4	931.4	932.4
157.5°	944.8	943.6	942.4	941.2	941.2	942.6	943.9	945.2	946.6	947.8	948.8
160°	955.4	954.5	953.5	952.6	952.6	953.5	954.5	955.4	956.4	957.5	958.4
162.5°	964.7	963.8	962.8	961.8	961.8	962.6	963.4	964.3	965.1	966.2	967.2
165°	977.1	976.2	975.2	974.2	974.0	974.5	975.0	975.4	975.9	977.0	978.2
167.5°	986.4	985.4	984.5	983.5	983.2	983.7	984.1	984.6	985.0	986.1	987.3
170°	991.6	990.7	989.7	988.8	988.4	988.8	989.1	989.4	989.7	990.8	991.9
172.5°	995.0	994.1	993.1	992.2	991.9	992.2	992.5	992.8	993.1	994.3	995.4
175°	999.4	998.3	997.1	996.0	995.6	995.9	996.2	996.5	996.9	998.0	999.2
177.5°	1000.4	999.5	998.6	997.6	997.2	997.3	997.5	997.6	997.7	998.7	999.6
180°	998.4	998.4	998.4	998.4	998.4	998.4	998.4	998.4	998.4	998.4	998.4



TEST NUMBER: P331657-840

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

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°	8.5	8.7	8.8	8.9	8.9	9.0	8.7
90°	16.9	17.7	18.2	18.6	18.9	19.2	19.5
92.5°	18.0	18.4	18.8	18.9	19.1	19.3	19.5
95°	30.6	31.4	31.7	31.5	31.4	31.2	31.1
97.5°	39.6	40.3	40.7	40.9	41.1	41.3	41.5
100°	45.0	46.4	47.2	47.5	47.8	48.1	48.4
102.5°	47.4	49.0	50.1	50.5	51.0	51.4	51.9
105°	49.4	51.1	52.3	53.0	53.6	54.2	54.9
107.5°	56.2	54.5	53.9	54.5	55.2	55.8	56.5
110°	78.3	62.2	54.5	55.1	55.7	56.5	57.1



TEST NUMBER: P331657-840

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

CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
112.5°	143.2	84.6	55.5	56.1	56.7	57.2	57.7
115°	222.8	148.5	105.4	93.9	82.3	70.8	59.3
117.5°	439.7	421.7	393.7	355.8	317.8	279.8	241.9
120°	535.3	537.2	527.4	505.6	484.0	462.3	440.7
122.5°	567.0	568.3	566.7	562.5	558.3	554.1	549.9
125°	613.8	614.9	615.7	616.2	616.7	617.1	617.6
127.5°	657.5	659.1	660.0	660.1	660.2	660.4	660.5
130°	685.1	686.8	687.6	687.5	687.3	687.1	687.0
132.5°	711.4	713.0	713.7	713.5	713.4	713.2	713.0
135°	749.6	751.2	751.8	751.5	751.2	750.8	750.5
137.5°	784.9	786.5	787.0	786.5	785.9	785.4	784.8
140°	807.6	809.1	809.4	808.6	807.8	807.0	806.2
142.5°	828.6	829.9	830.2	829.4	828.6	827.8	827.0
145°	858.0	859.1	859.2	858.5	857.7	856.9	856.1
147.5°	883.4	884.2	884.3	883.6	882.9	882.3	881.6
150°	899.4	900.3	900.4	899.6	898.8	898.0	897.2
152.5°	913.8	914.8	914.7	913.7	912.6	911.6	910.5
155°	933.3	934.3	934.1	932.8	931.6	930.3	929.0
157.5°	949.9	951.0	950.9	949.7	948.4	947.2	945.9
160°	959.4	960.3	960.2	959.1	958.0	956.8	955.7
162.5°	968.4	969.5	969.4	968.0	966.5	965.2	963.8
165°	979.4	980.5	980.5	979.4	978.2	977.0	975.9
167.5°	988.5	989.6	989.4	988.0	986.5	985.0	983.6
170°	993.0	994.2	994.0	992.6	991.1	989.7	988.3
172.5°	996.5	997.6	997.4	996.0	994.6	993.1	991.7
175°	1000.3	1001.4	1001.2	999.6	997.9	996.3	994.7
177.5°	1000.5	1001.4	1001.3	1000.1	999.0	997.7	996.6
180°	998.4	998.4	998.4	998.4	998.4	998.4	998.4

(END OF REPORT)