

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: P331663-930

Luminaire Tested: **SA2XXRDIP-C485D925U930-4F0-1E-UDD-A**

Issue Date: 10/7/2019

Test Information

Test Method: LM-79-08
Report Number: P331663-930
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-C485D925U930-4F0-1E-UDD-A
Description: DEFINE 2 DIRECT-INDIRECT PENDANT LED LUMINAIRE
DOWNLIGHT 485 LUMENS PER FOOT, ASYMMETRIC DIFFUSER, REGRESSED HOUSING
UPLIGHT 925 LUMENS PER FOOT, NO LENS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

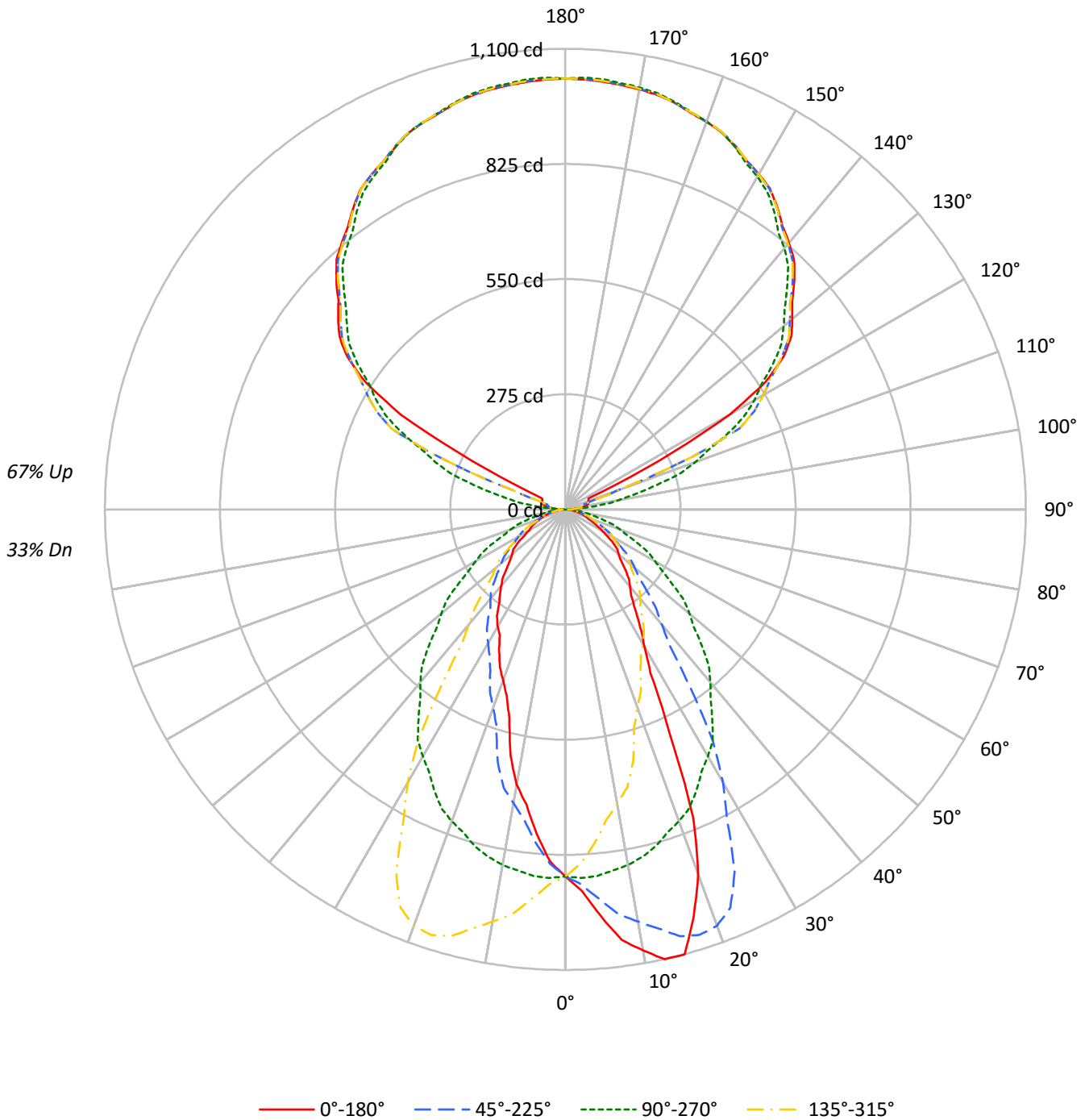
Lumens per Lamp: N/A
Luminaire Lumens: 4532.5 lumens
Efficiency: N/A
Efficacy: 101.9 lumens/watt
Spacing Criteria (0/90/45): 0.86 / 1.16 / 1.02
Luminous Opening: Rectangular (W 4' x L: 0.17' x H: 0')
CIE Type: Semi-Indirect

Input Watts (W): 44.5
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P331663-930
CATALOG NUMBER: SA2XXRDIP-C485D925U930-4F0-1E-UDD-A

Luminous Intensity Polar Plot





TEST NUMBER: P331663-930

CATALOG NUMBER: SA2XXRDIP-C485D925U930-4F0-1E-UDD-A

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	103	103	103	103	93	93	93	93	74	74	74	57	57	57	41	41	41	33
1	95	91	87	84	85	82	79	76	66	64	62	51	49	48	37	36	35	29
2	87	80	74	69	78	72	67	63	58	55	52	45	43	41	33	32	31	25
3	79	70	64	58	71	64	58	54	52	48	44	40	38	35	30	28	27	22
4	73	63	55	50	66	57	51	46	46	42	38	36	33	31	27	25	24	20
5	67	56	48	43	60	51	45	40	42	37	33	33	30	27	25	23	21	17
6	62	50	43	37	56	46	39	35	38	33	29	30	27	24	23	20	19	16
7	57	46	38	33	52	42	35	31	34	29	26	27	24	21	21	19	17	14
8	53	42	34	29	48	38	32	27	31	27	23	25	22	19	19	17	15	13
9	50	38	31	26	45	35	29	24	29	24	21	23	20	17	18	16	14	12
10	46	35	28	23	42	32	26	22	27	22	19	22	18	16	17	14	13	11

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	14149	14149	14149	14149
5°	15801	14237	12624	14237
10°	17531	14137	10942	14137
15°	18392	13929	8622	13929
20°	15945	13622	7459	13622
25°	10457	13201	6661	13201
30°	7040	12693	6027	12693
35°	5702	12051	5436	12051
40°	5069	11352	5031	11352
45°	4590	10533	4491	10533
50°	4175	9718	4160	9718
55°	3924	8819	3873	8819
60°	3284	7992	3242	7992
65°	2770	7259	3140	7259
70°	2559	6482	2960	6482
75°	2395	5639	2739	5639
80°	2204	4640	2436	4640
85°	2019	3668	2149	3668



TEST NUMBER: P331663-930

CATALOG NUMBER: SA2XXRDIP-C485D925U930-4F0-1E-UDD-A

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	83.1	1.8
10°-20°	231.5	5.1
20°-30°	298.2	6.6
30°-40°	283.4	6.3
40°-50°	242.8	5.4
50°-60°	184.9	4.1
60°-70°	116.9	2.6
70°-80°	58.4	1.3
80°-90°	17.7	0.4
90°-100°	34.3	0.8
100°-110°	125.9	2.8
110°-120°	336.5	7.4
120°-130°	555.4	12.3
130°-140°	590.7	13.0
140°-150°	549.0	12.1
150°-160°	441.4	9.7
160°-170°	284.5	6.3
170°-180°	97.9	2.2
0°-30°	612.8	13.5
0°-40°	896.2	19.8
0°-60°	1323.9	29.2
0°-90°	1516.9	33.5
90°-120°	496.7	11.0
90°-150°	2191.9	48.4
90°-180°	3016.0	66.5
0°-180°	4532.5	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	876	876	876	876	876	
5°	975	878	779	878	975	96
15°	1100	833	516	833	1100	297
25°	587	741	374	741	587	279
35°	289	611	276	611	289	185
45°	201	461	197	461	201	156
55°	139	313	138	313	139	122
65°	72	190	82	190	72	74
75°	38	90	44	90	38	41
85°	11	20	12	20	11	12
90°	20	1	20	1	20	9
95°	32	48	32	48	32	30
105°	57	226	57	226	57	59
115°	61	428	61	428	61	153
125°	637	605	637	605	637	551
135°	774	749	774	749	774	596
145°	882	869	882	869	882	552
155°	958	957	958	957	958	442
165°	1006	1008	1006	1008	1006	284
175°	1025	1031	1025	1031	1025	98
180°	1029	1029	1029	1029	1029	



TEST NUMBER: P331663-930

CATALOG NUMBER: SA2XXRDIP-C485D925U930-4F0-1E-UDD-A

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	876.3	876.3	876.3	876.3	876.3	876.3	876.3	876.3	876.3	876.3	876.3
2.5°	911.8	912.6	913.3	911.6	911.6	910.1	906.9	904.5	897.6	896.7	896.7
5°	974.9	974.3	975.5	971.5	966.0	964.8	959.0	951.5	943.5	934.7	932.9
7.5°	1037.6	1036.7	1034.3	1033.6	1029.4	1020.2	1010.9	1000.9	987.8	974.9	968.5
10°	1069.3	1079.3	1073.3	1062.6	1064.7	1050.4	1042.8	1029.7	1018.7	999.6	995.3
12.5°	1100.4	1104.4	1102.4	1096.4	1093.7	1083.8	1073.5	1062.1	1041.9	1024.7	1009.7
15°	1100.3	1106.1	1107.7	1105.8	1107.3	1106.7	1101.2	1091.8	1074.2	1055.2	1038.9
17.5°	1019.1	1023.1	1033.1	1039.8	1048.4	1066.4	1075.3	1078.8	1076.1	1065.4	1053.8
20°	928.0	921.3	949.3	963.6	975.8	1006.2	1032.4	1042.4	1058.6	1058.3	1055.2
22.5°	798.9	800.5	827.0	844.0	879.6	910.0	939.9	977.7	1008.9	1029.6	1041.6
25°	587.0	598.6	625.1	648.2	687.8	744.4	795.9	855.6	911.8	956.3	998.7
27.5°	440.8	441.7	462.7	484.1	507.6	554.0	618.8	690.1	770.4	836.6	912.8
30°	377.6	375.7	384.6	397.6	417.8	453.6	502.4	572.4	652.5	752.4	841.2
32.5°	332.7	332.8	339.5	349.2	365.8	390.0	423.5	480.3	556.0	654.2	758.4
35°	289.3	288.9	293.8	300.8	307.8	323.3	346.2	376.0	428.1	519.8	626.3
37.5°	258.0	259.4	261.8	266.2	273.9	282.5	296.3	316.3	353.4	407.6	497.1
40°	240.5	241.2	244.5	248.2	252.7	259.4	270.7	286.8	313.9	357.1	422.6
42.5°	224.5	225.0	227.5	230.8	234.4	241.2	250.5	264.4	286.4	320.1	374.1
45°	201.0	201.0	203.1	204.6	208.6	214.7	222.3	233.8	249.1	274.0	310.0
47.5°	178.9	179.0	180.3	183.0	185.5	190.2	197.7	207.2	218.3	237.6	268.2
50°	166.2	166.6	167.5	169.6	171.1	175.4	181.2	189.4	201.0	215.9	241.4
52.5°	156.0	155.8	156.9	157.9	158.9	162.0	166.3	173.6	183.9	196.9	218.1
55°	139.4	138.2	140.1	141.5	142.5	143.7	146.1	150.7	159.6	170.5	186.3
57.5°	118.7	118.2	119.5	120.9	123.8	127.1	129.1	132.1	136.6	144.5	160.2
60°	101.7	101.7	104.4	105.3	108.7	112.9	117.2	119.7	124.3	129.4	141.0
62.5°	86.6	86.8	88.1	89.0	90.9	96.1	102.2	107.5	111.8	116.8	124.4
65°	72.5	73.1	73.1	73.7	74.9	76.1	78.5	82.8	90.4	97.4	103.2
67.5°	61.5	61.7	61.9	62.5	62.8	64.1	65.1	67.0	68.7	75.4	82.6
70°	54.2	55.1	54.8	55.4	55.7	56.3	57.6	58.5	61.2	62.7	67.0
72.5°	47.4	48.0	48.0	48.3	49.2	49.2	50.2	51.1	52.9	54.2	56.5
75°	38.4	38.1	38.4	39.0	39.3	39.5	39.5	40.8	41.7	43.0	44.4
77.5°	29.6	29.9	29.8	29.9	29.9	30.5	30.4	31.0	31.9	32.5	33.3
80°	23.7	24.1	23.7	24.1	24.4	24.6	24.4	24.6	25.6	26.2	26.2
82.5°	18.4	18.4	18.7	18.7	18.8	18.8	19.2	19.3	20.0	19.8	20.1
85°	10.9	10.7	10.7	10.7	10.9	11.3	10.9	10.9	11.3	11.3	11.3
87.5°	7.9	8.1	8.0	8.0	7.9	7.7	7.6	7.7	7.3	7.3	6.8
90°	20.1	19.8	19.4	19.1	18.8	18.2	17.4	16.6	15.7	14.9	13.5
92.5°	20.1	19.9	19.7	19.5	19.3	19.0	18.6	18.1	17.7	17.3	16.6
95°	32.0	32.2	32.4	32.5	32.7	32.4	31.6	30.7	29.8	29.0	27.9
97.5°	42.7	42.6	42.3	42.2	41.9	41.5	40.8	40.2	39.5	38.9	36.2
100°	49.9	49.6	49.2	48.9	48.6	47.8	46.4	45.1	43.8	42.5	39.6
102.5°	53.5	53.0	52.5	52.1	51.6	50.5	48.8	47.0	45.3	43.6	67.2
105°	56.6	55.9	55.3	54.6	54.0	52.7	50.9	49.1	47.2	45.4	90.6
107.5°	58.2	57.6	56.9	56.3	55.6	56.2	58.0	59.8	61.7	63.6	117.7
110°	58.9	58.1	57.5	56.8	56.2	64.1	80.6	97.2	113.7	130.3	178.1



TEST NUMBER: P331663-930

CATALOG NUMBER: SA2XXRDIP-C485D925U930-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	59.4	58.9	58.4	57.8	57.3	87.2	147.6	208.0	268.3	328.6	340.5
115°	61.1	73.0	84.9	96.8	108.7	153.0	229.6	306.2	382.8	459.4	455.3
117.5°	249.3	288.5	327.6	366.7	405.9	434.7	453.3	471.8	490.3	508.8	506.1
120°	454.2	476.5	498.9	521.2	543.6	553.8	551.8	549.8	547.8	545.8	542.8
122.5°	566.8	571.1	575.4	579.8	584.2	585.7	584.5	583.3	582.1	581.0	577.7
125°	636.7	636.2	635.6	635.1	634.6	633.8	632.7	631.5	630.4	629.2	626.1
127.5°	680.7	680.6	680.5	680.4	680.3	679.5	677.8	676.0	674.3	672.7	670.3
130°	708.1	708.3	708.4	708.7	708.8	707.9	706.1	704.3	702.5	700.7	698.9
132.5°	734.9	735.1	735.2	735.4	735.6	734.9	733.4	731.8	730.3	728.6	726.8
135°	773.6	774.0	774.3	774.6	774.9	774.3	772.7	771.0	769.3	767.7	766.2
137.5°	808.9	809.5	810.1	810.7	811.2	810.7	809.0	807.4	805.8	804.2	802.5
140°	831.0	831.8	832.7	833.5	834.3	834.0	832.5	831.0	829.5	828.0	826.2
142.5°	852.4	853.3	854.1	854.9	855.7	855.5	854.1	852.7	851.4	850.0	848.0
145°	882.4	883.2	884.0	884.8	885.7	885.5	884.4	883.2	882.0	880.8	878.1
147.5°	908.7	909.4	910.1	910.8	911.5	911.4	910.5	909.7	908.8	908.0	905.2
150°	924.8	925.6	926.4	927.3	928.1	928.1	927.1	926.0	925.0	924.1	921.5
152.5°	938.5	939.6	940.7	941.8	942.9	942.9	941.9	940.9	940.0	939.0	936.5
155°	957.6	958.9	960.2	961.6	962.9	963.0	962.1	961.1	960.0	959.0	957.1
157.5°	975.0	976.2	977.5	978.8	980.2	980.2	979.1	978.0	976.9	975.8	974.4
160°	985.1	986.3	987.4	988.6	989.8	989.9	988.9	987.8	986.8	985.9	984.9
162.5°	993.4	994.9	996.3	997.8	999.1	999.3	998.2	997.0	995.9	994.8	993.9
165°	1006.0	1007.1	1008.3	1009.4	1010.6	1010.6	1009.4	1008.3	1007.1	1006.0	1005.5
167.5°	1013.8	1015.4	1016.8	1018.3	1019.8	1020.0	1018.8	1017.7	1016.5	1015.4	1014.9
170°	1018.6	1020.1	1021.6	1023.1	1024.6	1024.7	1023.6	1022.5	1021.2	1020.1	1019.8
172.5°	1022.2	1023.7	1025.2	1026.6	1028.2	1028.3	1027.2	1026.0	1024.8	1023.7	1023.4
175°	1025.3	1027.0	1028.7	1030.3	1031.9	1032.2	1031.0	1029.9	1028.7	1027.5	1027.2
177.5°	1027.3	1028.4	1029.6	1030.9	1032.0	1032.2	1031.3	1030.3	1029.4	1028.4	1028.3
180°	1029.1	1029.1	1029.1	1029.1	1029.1	1029.1	1029.1	1029.1	1029.1	1029.1	1029.1



TEST NUMBER: P331663-930

CATALOG NUMBER: SA2XXRDIP-C485D925U930-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	876.3	876.3	876.3	876.3	876.3	876.3	876.3	876.3	876.3	876.3	876.3
2.5°	897.2	895.3	893.6	889.2	887.0	882.1	881.3	881.1	874.8	868.7	867.0
5°	928.0	923.2	915.8	907.3	898.5	889.3	883.2	878.4	866.2	854.6	847.9
7.5°	959.0	948.6	936.0	919.8	906.4	891.3	880.1	870.0	852.7	836.2	825.0
10°	982.2	965.2	948.4	926.2	908.8	891.8	876.0	862.3	842.8	820.8	805.3
12.5°	996.5	977.8	954.7	933.0	910.5	888.8	867.6	850.0	827.2	804.5	786.0
15°	1016.0	995.9	967.9	936.9	907.9	879.6	855.2	833.3	803.5	776.4	753.8
17.5°	1031.9	1004.2	974.1	938.2	904.7	868.8	837.4	809.3	776.2	743.5	717.0
20°	1037.0	1009.6	974.9	939.0	899.4	857.0	823.3	792.8	757.2	721.5	691.1
22.5°	1033.8	1012.5	973.9	930.9	890.4	846.1	808.0	772.6	733.1	696.8	661.5
25°	1012.4	1005.0	968.5	921.6	875.3	823.9	779.8	741.0	696.0	657.0	618.6
27.5°	962.2	978.0	955.4	905.4	853.9	798.7	749.2	705.2	658.4	614.5	576.3
30°	914.0	950.2	940.4	894.2	836.7	782.4	726.8	680.8	630.9	585.8	548.0
32.5°	848.0	907.8	917.4	878.6	819.1	759.5	701.2	655.4	603.3	555.8	519.0
35°	742.9	832.4	873.5	848.8	789.1	725.0	664.6	611.4	559.0	512.1	475.6
37.5°	617.5	739.4	808.0	809.7	754.9	688.1	622.5	569.6	515.9	469.9	430.4
40°	536.1	668.3	757.5	777.3	731.0	658.8	592.5	538.6	486.2	441.2	395.8
42.5°	463.1	594.8	704.4	738.8	702.1	630.4	563.8	507.4	456.5	413.8	367.5
45°	374.5	489.6	610.4	672.0	651.6	585.1	514.9	461.3	413.4	376.6	332.2
47.5°	315.9	397.1	514.0	597.2	596.8	536.2	467.1	415.7	371.4	336.9	300.8
50°	282.5	353.2	452.2	546.5	554.4	503.6	437.8	386.9	345.6	309.3	280.4
52.5°	252.6	310.8	399.7	490.2	512.7	468.7	405.0	358.0	317.8	284.5	259.7
55°	213.4	258.4	326.1	410.7	444.8	413.8	357.1	313.3	280.7	252.7	231.4
57.5°	180.5	214.3	268.6	336.7	376.4	356.9	310.2	274.6	246.7	221.4	204.6
60°	159.9	187.5	233.5	290.5	334.3	320.6	280.7	247.5	223.8	201.9	186.1
62.5°	140.4	164.2	203.6	249.8	290.0	284.3	251.8	223.9	203.1	183.1	169.7
65°	112.9	130.3	161.0	197.3	229.6	232.3	208.9	190.0	171.4	155.6	143.7
67.5°	89.9	101.3	122.9	153.4	177.7	186.3	171.9	157.5	142.8	130.5	120.3
70°	75.8	85.0	100.8	125.5	147.7	156.8	148.5	137.3	124.5	114.5	105.7
72.5°	61.5	70.4	82.0	100.1	119.2	129.1	126.2	118.1	107.7	99.4	91.1
75°	46.3	49.0	56.9	69.1	84.1	92.5	94.7	90.4	82.2	75.8	70.9
77.5°	34.2	35.9	39.6	46.1	55.8	63.3	66.5	66.0	60.3	56.7	52.1
80°	27.4	28.3	30.2	32.9	40.2	47.8	49.9	49.9	46.0	44.4	39.9
82.5°	20.8	21.5	22.6	24.1	27.6	34.2	36.5	37.0	34.5	32.5	28.9
85°	11.9	11.6	12.1	13.1	13.7	15.5	19.2	19.8	19.2	16.7	15.8
87.5°	6.6	6.6	6.3	5.7	5.6	5.5	6.4	7.2	6.6	6.2	6.1
90°	12.2	10.9	9.6	8.0	6.2	4.4	2.5	0.7	2.5	4.4	6.2
92.5°	16.0	15.3	14.6	14.3	14.5	14.7	14.8	15.0	14.8	14.7	14.5
95°	26.7	25.6	24.4	26.6	32.0	37.5	43.0	48.4	43.0	37.5	32.0
97.5°	33.5	30.8	28.1	34.5	49.9	65.3	80.6	96.0	80.6	65.3	49.9
100°	36.9	34.0	31.2	41.1	63.8	86.4	109.1	131.8	109.1	86.4	63.8
102.5°	90.7	114.2	137.8	151.9	156.7	161.5	166.3	171.1	166.3	161.5	156.7
105°	135.7	180.9	226.1	246.2	241.2	236.3	231.3	226.3	231.3	236.3	241.2
107.5°	171.9	226.1	280.3	305.4	301.3	297.3	293.3	289.3	293.3	297.3	301.3
110°	225.9	273.8	321.6	343.7	340.3	336.8	333.4	329.9	333.4	336.8	340.3



TEST NUMBER: P331663-930

CATALOG NUMBER: SA2XXRDIP-C485D925U930-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	352.3	364.1	375.9	380.3	377.2	374.1	371.0	367.9	371.0	374.1	377.2
115°	451.2	447.0	442.9	439.4	436.6	433.7	431.0	428.1	431.0	433.7	436.6
117.5°	503.2	500.3	497.5	494.5	491.4	488.2	485.0	481.9	485.0	488.2	491.4
120°	539.8	536.9	533.9	531.2	528.6	526.2	523.7	521.2	523.7	526.2	528.6
122.5°	574.5	571.2	567.9	565.0	562.4	559.8	557.2	554.6	557.2	559.8	562.4
125°	622.9	619.8	616.6	614.0	611.8	609.7	607.5	605.4	607.5	609.7	611.8
127.5°	668.0	665.6	663.2	660.9	658.5	656.2	653.8	651.3	653.8	656.2	658.5
130°	697.0	695.2	693.4	691.1	688.5	685.8	683.2	680.6	683.2	685.8	688.5
132.5°	725.0	723.3	721.4	719.3	717.1	714.9	712.6	710.4	712.6	714.9	717.1
135°	764.8	763.2	761.7	759.7	757.0	754.4	751.7	749.1	751.7	754.4	757.0
137.5°	800.8	799.1	797.4	795.7	793.8	792.0	790.1	788.2	790.1	792.0	793.8
140°	824.3	822.6	820.8	819.1	817.8	816.5	815.2	813.8	815.2	816.5	817.8
142.5°	845.9	843.8	841.7	840.1	838.9	837.7	836.5	835.3	836.5	837.7	838.9
145°	875.2	872.5	869.6	868.3	868.5	868.6	868.8	868.9	868.8	868.6	868.5
147.5°	902.5	899.6	896.8	895.8	896.4	897.1	897.6	898.3	897.6	897.1	896.4
150°	918.8	916.2	913.5	912.7	913.9	915.0	916.2	917.4	916.2	915.0	913.9
152.5°	933.9	931.4	928.9	928.3	929.6	930.8	932.1	933.4	932.1	930.8	929.6
155°	955.1	953.1	951.1	950.9	952.4	953.8	955.4	956.8	955.4	953.8	952.4
157.5°	973.0	971.6	970.2	970.1	971.3	972.7	973.9	975.1	973.9	972.7	971.3
160°	983.9	982.8	981.9	981.9	982.8	983.9	984.9	985.9	984.9	983.9	982.8
162.5°	993.0	992.2	991.3	991.4	992.4	993.4	994.4	995.4	994.4	993.4	992.4
165°	1004.9	1004.4	1004.0	1004.2	1005.2	1006.2	1007.2	1008.2	1007.2	1006.2	1005.2
167.5°	1014.4	1014.0	1013.5	1013.7	1014.7	1015.8	1016.8	1017.7	1016.8	1015.8	1014.7
170°	1019.5	1019.1	1018.8	1019.1	1020.1	1021.1	1022.1	1023.1	1022.1	1021.1	1020.1
172.5°	1023.0	1022.7	1022.4	1022.7	1023.7	1024.7	1025.6	1026.6	1025.6	1024.7	1023.7
175°	1026.9	1026.5	1026.2	1026.6	1027.8	1029.0	1030.1	1031.3	1030.1	1029.0	1027.8
177.5°	1028.2	1028.1	1027.9	1028.3	1029.2	1030.2	1031.1	1032.0	1031.1	1030.2	1029.2
180°	1029.1	1029.1	1029.1	1029.1	1029.1	1029.1	1029.1	1029.1	1029.1	1029.1	1029.1



TEST NUMBER: P331663-930

CATALOG NUMBER: SA2XXRDIP-C485D925U930-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	876.3	876.3	876.3	876.3	876.3	876.3	876.3	876.3	876.3	876.3	876.3
2.5°	863.8	862.1	858.9	854.1	851.2	846.0	842.6	844.6	845.1	844.6	844.1
5°	840.7	834.2	825.4	816.8	808.9	800.5	795.6	793.4	789.1	786.8	785.5
7.5°	812.5	801.5	789.0	774.2	761.6	748.4	741.6	738.3	729.5	724.8	720.6
10°	791.6	774.2	761.7	742.2	730.4	713.1	701.2	701.5	689.6	682.9	678.0
12.5°	768.5	749.4	728.6	711.1	694.6	680.7	666.3	660.6	647.9	641.5	628.4
15°	730.1	707.8	686.0	662.2	645.5	623.9	603.2	577.9	557.5	539.8	534.9
17.5°	688.2	660.7	638.7	610.8	582.1	545.8	521.8	507.1	494.8	485.5	478.6
20°	659.5	631.4	608.1	566.0	527.3	502.6	485.0	473.8	461.0	450.9	445.4
22.5°	629.2	600.1	568.1	521.1	491.1	471.2	455.5	442.5	433.9	426.1	421.1
25°	586.4	554.4	501.7	469.4	445.2	424.4	413.4	405.5	396.4	385.7	380.9
27.5°	541.1	490.2	452.4	428.4	405.2	391.8	381.9	370.1	361.9	357.1	352.0
30°	507.2	456.4	426.9	400.6	384.3	369.3	357.8	351.1	343.2	334.9	331.6
32.5°	469.4	428.8	400.6	378.8	362.1	349.4	340.2	329.4	323.7	318.6	311.6
35°	422.6	391.8	366.0	348.3	332.5	322.1	311.4	305.1	294.7	290.5	287.7
37.5°	382.9	356.2	336.9	318.3	305.7	294.3	287.8	277.6	273.1	267.2	261.4
40°	360.4	334.3	315.8	300.5	286.5	277.9	269.8	261.5	254.9	252.1	245.1
42.5°	337.6	316.3	297.7	281.0	271.7	262.6	252.3	246.2	239.2	234.8	230.5
45°	306.0	287.1	271.3	257.6	247.2	237.8	231.1	221.0	217.1	208.2	204.6
47.5°	278.2	260.7	245.6	232.5	222.4	216.3	206.5	198.6	192.3	186.9	182.2
50°	258.4	243.9	229.3	217.7	208.6	199.7	189.7	185.7	175.9	173.3	170.5
52.5°	240.4	226.6	213.2	201.9	192.7	184.2	175.3	170.2	163.5	160.8	158.8
55°	215.2	201.9	189.1	179.0	169.9	161.0	155.6	149.2	146.1	144.0	141.5
57.5°	189.9	177.9	168.0	157.9	148.7	141.7	135.3	131.5	128.3	125.6	122.6
60°	173.8	162.2	153.4	144.0	134.6	128.8	123.9	119.4	115.7	111.5	110.2
62.5°	156.8	146.7	138.6	129.4	121.2	115.9	111.3	107.0	102.6	96.4	94.7
65°	133.4	125.5	116.9	109.3	102.0	96.9	90.1	85.3	83.4	82.8	82.5
67.5°	112.2	104.7	97.3	89.6	82.9	78.1	74.7	73.9	72.7	72.3	71.5
70°	98.0	91.1	83.7	76.4	70.0	69.1	67.9	66.7	65.1	64.6	63.9
72.5°	85.4	78.1	70.8	65.0	62.2	61.1	59.8	58.6	57.6	57.0	56.7
75°	65.5	58.8	53.9	51.8	50.2	49.3	47.5	46.6	46.0	45.1	44.8
77.5°	47.1	43.4	41.1	39.8	38.2	37.2	36.2	35.2	34.6	34.4	33.9
80°	36.0	34.1	32.6	30.7	30.2	28.9	28.6	27.7	28.0	27.1	27.1
82.5°	27.9	25.6	24.3	23.5	22.8	21.9	21.5	21.1	21.2	20.5	20.5
85°	14.3	13.7	13.1	12.5	12.5	11.6	11.9	11.6	11.6	10.9	10.7
87.5°	6.2	6.3	6.1	6.4	6.6	6.6	6.8	6.7	6.8	7.0	6.9
90°	8.0	9.6	10.9	12.2	13.5	14.9	15.7	16.6	17.4	18.2	18.8
92.5°	14.3	14.6	15.3	16.0	16.6	17.3	17.7	18.1	18.6	19.0	19.3
95°	26.6	24.4	25.6	26.7	27.9	29.0	29.8	30.7	31.6	32.4	32.7
97.5°	34.5	28.1	30.8	33.5	36.2	38.9	39.5	40.2	40.8	41.5	41.9
100°	41.1	31.2	34.0	36.9	39.6	42.5	43.8	45.1	46.4	47.8	48.6
102.5°	151.9	137.8	114.2	90.7	67.2	43.6	45.3	47.0	48.8	50.5	51.6
105°	246.2	226.1	180.9	135.7	90.6	45.4	47.2	49.1	50.9	52.7	54.0
107.5°	305.4	280.3	226.1	171.9	117.7	63.6	61.7	59.8	58.0	56.2	55.6
110°	343.7	321.6	273.8	225.9	178.1	130.3	113.7	97.2	80.6	64.1	56.2



TEST NUMBER: P331663-930

CATALOG NUMBER: SA2XXRDIP-C485D925U930-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	380.3	375.9	364.1	352.3	340.5	328.6	268.3	208.0	147.6	87.2	57.3
115°	439.4	442.9	447.0	451.2	455.3	459.4	382.8	306.2	229.6	153.0	108.7
117.5°	494.5	497.5	500.3	503.2	506.1	508.8	490.3	471.8	453.3	434.7	405.9
120°	531.2	533.9	536.9	539.8	542.8	545.8	547.8	549.8	551.8	553.8	543.6
122.5°	565.0	567.9	571.2	574.5	577.7	581.0	582.1	583.3	584.5	585.7	584.2
125°	614.0	616.6	619.8	622.9	626.1	629.2	630.4	631.5	632.7	633.8	634.6
127.5°	660.9	663.2	665.6	668.0	670.3	672.7	674.3	676.0	677.8	679.5	680.3
130°	691.1	693.4	695.2	697.0	698.9	700.7	702.5	704.3	706.1	707.9	708.8
132.5°	719.3	721.4	723.3	725.0	726.8	728.6	730.3	731.8	733.4	734.9	735.6
135°	759.7	761.7	763.2	764.8	766.2	767.7	769.3	771.0	772.7	774.3	774.9
137.5°	795.7	797.4	799.1	800.8	802.5	804.2	805.8	807.4	809.0	810.7	811.2
140°	819.1	820.8	822.6	824.3	826.2	828.0	829.5	831.0	832.5	834.0	834.3
142.5°	840.1	841.7	843.8	845.9	848.0	850.0	851.4	852.7	854.1	855.5	855.7
145°	868.3	869.6	872.5	875.2	878.1	880.8	882.0	883.2	884.4	885.5	885.7
147.5°	895.8	896.8	899.6	902.5	905.2	908.0	908.8	909.7	910.5	911.4	911.5
150°	912.7	913.5	916.2	918.8	921.5	924.1	925.0	926.0	927.1	928.1	928.1
152.5°	928.3	928.9	931.4	933.9	936.5	939.0	940.0	940.9	941.9	942.9	942.9
155°	950.9	951.1	953.1	955.1	957.1	959.0	960.0	961.1	962.1	963.0	962.9
157.5°	970.1	970.2	971.6	973.0	974.4	975.8	976.9	978.0	979.1	980.2	980.2
160°	981.9	981.9	982.8	983.9	984.9	985.9	986.8	987.8	988.9	989.9	989.8
162.5°	991.4	991.3	992.2	993.0	993.9	994.8	995.9	997.0	998.2	999.3	999.1
165°	1004.2	1004.0	1004.4	1004.9	1005.5	1006.0	1007.1	1008.3	1009.4	1010.6	1010.6
167.5°	1013.7	1013.5	1014.0	1014.4	1014.9	1015.4	1016.5	1017.7	1018.8	1020.0	1019.8
170°	1019.1	1018.8	1019.1	1019.5	1019.8	1020.1	1021.2	1022.5	1023.6	1024.7	1024.6
172.5°	1022.7	1022.4	1022.7	1023.0	1023.4	1023.7	1024.8	1026.0	1027.2	1028.3	1028.2
175°	1026.6	1026.2	1026.5	1026.9	1027.2	1027.5	1028.7	1029.9	1031.0	1032.2	1031.9
177.5°	1028.3	1027.9	1028.1	1028.2	1028.3	1028.4	1029.4	1030.3	1031.3	1032.2	1032.0
180°	1029.1	1029.1	1029.1	1029.1	1029.1	1029.1	1029.1	1029.1	1029.1	1029.1	1029.1



TEST NUMBER: P331663-930

CATALOG NUMBER: SA2XXRDIP-C485D925U930-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	876.3	876.3	876.3	876.3	876.3	876.3	876.3	876.3	876.3	876.3	876.3
2.5°	841.4	841.9	841.1	841.6	841.1	841.9	841.4	844.1	844.6	845.1	844.6
5°	784.0	780.3	779.8	778.9	779.8	780.3	784.0	785.5	786.8	789.1	793.4
7.5°	715.4	714.9	713.4	711.2	713.4	714.9	715.4	720.6	724.8	729.5	738.3
10°	671.3	669.8	669.5	667.4	669.5	669.8	671.3	678.0	682.9	689.6	701.5
12.5°	619.7	609.9	608.9	603.6	608.9	609.9	619.7	628.4	641.5	647.9	660.6
15°	527.7	525.8	519.8	515.8	519.8	525.8	527.7	534.9	539.8	557.5	577.9
17.5°	475.0	469.0	467.2	466.4	467.2	469.0	475.0	478.6	485.5	494.8	507.1
20°	441.2	435.7	434.8	434.1	434.8	435.7	441.2	445.4	450.9	461.0	473.8
22.5°	417.8	412.1	409.7	407.9	409.7	412.1	417.8	421.1	426.1	433.9	442.5
25°	377.8	375.7	374.5	373.9	374.5	375.7	377.8	380.9	385.7	396.4	405.5
27.5°	346.6	341.9	341.0	339.4	341.0	341.9	346.6	352.0	357.1	361.9	370.1
30°	328.8	327.3	325.1	323.3	325.1	327.3	328.8	331.6	334.9	343.2	351.1
32.5°	307.9	306.6	304.7	303.9	304.7	306.6	307.9	311.6	318.6	323.7	329.4
35°	284.7	280.4	278.6	275.8	278.6	280.4	284.7	287.7	290.5	294.7	305.1
37.5°	260.2	257.9	255.4	256.2	255.4	257.9	260.2	261.4	267.2	273.1	277.6
40°	241.2	239.6	239.0	238.7	239.0	239.6	241.2	245.1	252.1	254.9	261.5
42.5°	226.0	221.8	220.2	220.2	220.2	221.8	226.0	230.5	234.8	239.2	246.2
45°	203.1	199.1	196.4	196.7	196.4	199.1	203.1	204.6	208.2	217.1	221.0
47.5°	179.6	179.4	177.7	178.3	177.7	179.4	179.6	182.2	186.9	192.3	198.6
50°	168.4	166.6	165.3	165.6	165.3	166.6	168.4	170.5	173.3	175.9	185.7
52.5°	157.7	156.0	155.1	156.4	155.1	156.0	157.7	158.8	160.8	163.5	170.2
55°	140.1	138.2	137.9	137.6	137.9	138.2	140.1	141.5	144.0	146.1	149.2
57.5°	120.4	119.2	117.3	116.6	117.3	119.2	120.4	122.6	125.6	128.3	131.5
60°	106.2	103.8	100.8	100.4	100.8	103.8	106.2	110.2	111.5	115.7	119.4
62.5°	93.4	92.9	92.3	92.2	92.3	92.9	93.4	94.7	96.4	102.6	107.0
65°	81.9	81.6	81.9	82.2	81.9	81.6	81.9	82.5	82.8	83.4	85.3
67.5°	71.3	70.8	70.3	70.5	70.3	70.8	71.3	71.5	72.3	72.7	73.9
70°	63.3	63.0	62.7	62.7	62.7	63.0	63.3	63.9	64.6	65.1	66.7
72.5°	55.5	55.4	55.2	55.0	55.2	55.4	55.5	56.7	57.0	57.6	58.6
75°	44.4	43.9	43.9	43.9	43.9	43.9	44.4	44.8	45.1	46.0	46.6
77.5°	33.8	33.6	33.3	33.0	33.3	33.6	33.8	33.9	34.4	34.6	35.2
80°	26.8	26.5	26.2	26.2	26.2	26.5	26.8	27.1	27.1	28.0	27.7
82.5°	20.5	20.1	20.1	19.8	20.1	20.1	20.5	20.5	20.5	21.2	21.1
85°	10.9	11.3	10.9	11.6	10.9	11.3	10.9	10.7	10.9	11.6	11.6
87.5°	7.0	6.8	7.1	6.9	7.1	6.8	7.0	6.9	7.0	6.8	6.7
90°	19.1	19.4	19.8	20.1	19.8	19.4	19.1	18.8	18.2	17.4	16.6
92.5°	19.5	19.7	19.9	20.1	19.9	19.7	19.5	19.3	19.0	18.6	18.1
95°	32.5	32.4	32.2	32.0	32.2	32.4	32.5	32.7	32.4	31.6	30.7
97.5°	42.2	42.3	42.6	42.7	42.6	42.3	42.2	41.9	41.5	40.8	40.2
100°	48.9	49.2	49.6	49.9	49.6	49.2	48.9	48.6	47.8	46.4	45.1
102.5°	52.1	52.5	53.0	53.5	53.0	52.5	52.1	51.6	50.5	48.8	47.0
105°	54.6	55.3	55.9	56.6	55.9	55.3	54.6	54.0	52.7	50.9	49.1
107.5°	56.3	56.9	57.6	58.2	57.6	56.9	56.3	55.6	56.2	58.0	59.8
110°	56.8	57.5	58.1	58.9	58.1	57.5	56.8	56.2	64.1	80.6	97.2



TEST NUMBER: P331663-930

CATALOG NUMBER: SA2XXRDIP-C485D925U930-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	57.8	58.4	58.9	59.4	58.9	58.4	57.8	57.3	87.2	147.6	208.0
115°	96.8	84.9	73.0	61.1	73.0	84.9	96.8	108.7	153.0	229.6	306.2
117.5°	366.7	327.6	288.5	249.3	288.5	327.6	366.7	405.9	434.7	453.3	471.8
120°	521.2	498.9	476.5	454.2	476.5	498.9	521.2	543.6	553.8	551.8	549.8
122.5°	579.8	575.4	571.1	566.8	571.1	575.4	579.8	584.2	585.7	584.5	583.3
125°	635.1	635.6	636.2	636.7	636.2	635.6	635.1	634.6	633.8	632.7	631.5
127.5°	680.4	680.5	680.6	680.7	680.6	680.5	680.4	680.3	679.5	677.8	676.0
130°	708.7	708.4	708.3	708.1	708.3	708.4	708.7	708.8	707.9	706.1	704.3
132.5°	735.4	735.2	735.1	734.9	735.1	735.2	735.4	735.6	734.9	733.4	731.8
135°	774.6	774.3	774.0	773.6	774.0	774.3	774.6	774.9	774.3	772.7	771.0
137.5°	810.7	810.1	809.5	808.9	809.5	810.1	810.7	811.2	810.7	809.0	807.4
140°	833.5	832.7	831.8	831.0	831.8	832.7	833.5	834.3	834.0	832.5	831.0
142.5°	854.9	854.1	853.3	852.4	853.3	854.1	854.9	855.7	855.5	854.1	852.7
145°	884.8	884.0	883.2	882.4	883.2	884.0	884.8	885.7	885.5	884.4	883.2
147.5°	910.8	910.1	909.4	908.7	909.4	910.1	910.8	911.5	911.4	910.5	909.7
150°	927.3	926.4	925.6	924.8	925.6	926.4	927.3	928.1	928.1	927.1	926.0
152.5°	941.8	940.7	939.6	938.5	939.6	940.7	941.8	942.9	942.9	941.9	940.9
155°	961.6	960.2	958.9	957.6	958.9	960.2	961.6	962.9	963.0	962.1	961.1
157.5°	978.8	977.5	976.2	975.0	976.2	977.5	978.8	980.2	980.2	979.1	978.0
160°	988.6	987.4	986.3	985.1	986.3	987.4	988.6	989.8	989.9	988.9	987.8
162.5°	997.8	996.3	994.9	993.4	994.9	996.3	997.8	999.1	999.3	998.2	997.0
165°	1009.4	1008.3	1007.1	1006.0	1007.1	1008.3	1009.4	1010.6	1010.6	1009.4	1008.3
167.5°	1018.3	1016.8	1015.4	1013.8	1015.4	1016.8	1018.3	1019.8	1020.0	1018.8	1017.7
170°	1023.1	1021.6	1020.1	1018.6	1020.1	1021.6	1023.1	1024.6	1024.7	1023.6	1022.5
172.5°	1026.6	1025.2	1023.7	1022.2	1023.7	1025.2	1026.6	1028.2	1028.3	1027.2	1026.0
175°	1030.3	1028.7	1027.0	1025.3	1027.0	1028.7	1030.3	1031.9	1032.2	1031.0	1029.9
177.5°	1030.9	1029.6	1028.4	1027.3	1028.4	1029.6	1030.9	1032.0	1032.2	1031.3	1030.3
180°	1029.1	1029.1	1029.1	1029.1	1029.1	1029.1	1029.1	1029.1	1029.1	1029.1	1029.1



TEST NUMBER: P331663-930

CATALOG NUMBER: SA2XXRDIP-C485D925U930-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	876.3	876.3	876.3	876.3	876.3	876.3	876.3	876.3	876.3	876.3	876.3
2.5°	842.6	846.0	851.2	854.1	858.9	862.1	863.8	867.0	868.7	874.8	881.1
5°	795.6	800.5	808.9	816.8	825.4	834.2	840.7	847.9	854.6	866.2	878.4
7.5°	741.6	748.4	761.6	774.2	789.0	801.5	812.5	825.0	836.2	852.7	870.0
10°	701.2	713.1	730.4	742.2	761.7	774.2	791.6	805.3	820.8	842.8	862.3
12.5°	666.3	680.7	694.6	711.1	728.6	749.4	768.5	786.0	804.5	827.2	850.0
15°	603.2	623.9	645.5	662.2	686.0	707.8	730.1	753.8	776.4	803.5	833.3
17.5°	521.8	545.8	582.1	610.8	638.7	660.7	688.2	717.0	743.5	776.2	809.3
20°	485.0	502.6	527.3	566.0	608.1	631.4	659.5	691.1	721.5	757.2	792.8
22.5°	455.5	471.2	491.1	521.1	568.1	600.1	629.2	661.5	696.8	733.1	772.6
25°	413.4	424.4	445.2	469.4	501.7	554.4	586.4	618.6	657.0	696.0	741.0
27.5°	381.9	391.8	405.2	428.4	452.4	490.2	541.1	576.3	614.5	658.4	705.2
30°	357.8	369.3	384.3	400.6	426.9	456.4	507.2	548.0	585.8	630.9	680.8
32.5°	340.2	349.4	362.1	378.8	400.6	428.8	469.4	519.0	555.8	603.3	655.4
35°	311.4	322.1	332.5	348.3	366.0	391.8	422.6	475.6	512.1	559.0	611.4
37.5°	287.8	294.3	305.7	318.3	336.9	356.2	382.9	430.4	469.9	515.9	569.6
40°	269.8	277.9	286.5	300.5	315.8	334.3	360.4	395.8	441.2	486.2	538.6
42.5°	252.3	262.6	271.7	281.0	297.7	316.3	337.6	367.5	413.8	456.5	507.4
45°	231.1	237.8	247.2	257.6	271.3	287.1	306.0	332.2	376.6	413.4	461.3
47.5°	206.5	216.3	222.4	232.5	245.6	260.7	278.2	300.8	336.9	371.4	415.7
50°	189.7	199.7	208.6	217.7	229.3	243.9	258.4	280.4	309.3	345.6	386.9
52.5°	175.3	184.2	192.7	201.9	213.2	226.6	240.4	259.7	284.5	317.8	358.0
55°	155.6	161.0	169.9	179.0	189.1	201.9	215.2	231.4	252.7	280.7	313.3
57.5°	135.3	141.7	148.7	157.9	168.0	177.9	189.9	204.6	221.4	246.7	274.6
60°	123.9	128.8	134.6	144.0	153.4	162.2	173.8	186.1	201.9	223.8	247.5
62.5°	111.3	115.9	121.2	129.4	138.6	146.7	156.8	169.7	183.1	203.1	223.9
65°	90.1	96.9	102.0	109.3	116.9	125.5	133.4	143.7	155.6	171.4	190.0
67.5°	74.7	78.1	82.9	89.6	97.3	104.7	112.2	120.3	130.5	142.8	157.5
70°	67.9	69.1	70.0	76.4	83.7	91.1	98.0	105.7	114.5	124.5	137.3
72.5°	59.8	61.1	62.2	65.0	70.8	78.1	85.4	91.1	99.4	107.7	118.1
75°	47.5	49.3	50.2	51.8	53.9	58.8	65.5	70.9	75.8	82.2	90.4
77.5°	36.2	37.2	38.2	39.8	41.1	43.4	47.1	52.1	56.7	60.3	66.0
80°	28.6	28.9	30.2	30.7	32.6	34.1	36.0	39.9	44.4	46.0	49.9
82.5°	21.5	21.9	22.8	23.5	24.3	25.6	27.9	28.9	32.5	34.5	37.0
85°	11.9	11.6	12.5	12.5	13.1	13.7	14.3	15.8	16.7	19.2	19.8
87.5°	6.8	6.6	6.6	6.4	6.1	6.3	6.2	6.1	6.2	6.6	7.2
90°	15.7	14.9	13.5	12.2	10.9	9.6	8.0	6.2	4.4	2.5	0.7
92.5°	17.7	17.3	16.6	16.0	15.3	14.6	14.3	14.5	14.7	14.8	15.0
95°	29.8	29.0	27.9	26.7	25.6	24.4	26.6	32.0	37.5	43.0	48.4
97.5°	39.5	38.9	36.2	33.5	30.8	28.1	34.5	49.9	65.3	80.6	96.0
100°	43.8	42.5	39.6	36.9	34.0	31.2	41.1	63.8	86.4	109.1	131.8
102.5°	45.3	43.6	67.2	90.7	114.2	137.8	151.9	156.7	161.5	166.3	171.1
105°	47.2	45.4	90.6	135.7	180.9	226.1	246.2	241.2	236.3	231.3	226.3
107.5°	61.7	63.6	117.7	171.9	226.1	280.3	305.4	301.3	297.3	293.3	289.3
110°	113.7	130.3	178.1	225.9	273.8	321.6	343.7	340.3	336.8	333.4	329.9



TEST NUMBER: P331663-930

CATALOG NUMBER: SA2XXRDIP-C485D925U930-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	268.3	328.6	340.5	352.3	364.1	375.9	380.3	377.2	374.1	371.0	367.9
115°	382.8	459.4	455.3	451.2	447.0	442.9	439.4	436.6	433.7	431.0	428.1
117.5°	490.3	508.8	506.1	503.2	500.3	497.5	494.5	491.4	488.2	485.0	481.9
120°	547.8	545.8	542.8	539.8	536.9	533.9	531.2	528.6	526.2	523.7	521.2
122.5°	582.1	581.0	577.7	574.5	571.2	567.9	565.0	562.4	559.8	557.2	554.6
125°	630.4	629.2	626.1	622.9	619.8	616.6	614.0	611.8	609.7	607.5	605.4
127.5°	674.3	672.7	670.3	668.0	665.6	663.2	660.9	658.5	656.2	653.8	651.3
130°	702.5	700.7	698.9	697.0	695.2	693.4	691.1	688.5	685.8	683.2	680.6
132.5°	730.3	728.6	726.8	725.0	723.3	721.4	719.3	717.1	714.9	712.6	710.4
135°	769.3	767.7	766.2	764.8	763.2	761.7	759.7	757.0	754.4	751.7	749.1
137.5°	805.8	804.2	802.5	800.8	799.1	797.4	795.7	793.8	792.0	790.1	788.2
140°	829.5	828.0	826.2	824.3	822.6	820.8	819.1	817.8	816.5	815.2	813.8
142.5°	851.4	850.0	848.0	845.9	843.8	841.7	840.1	838.9	837.7	836.5	835.3
145°	882.0	880.8	878.1	875.2	872.5	869.6	868.3	868.5	868.6	868.8	868.9
147.5°	908.8	908.0	905.2	902.5	899.6	896.8	895.8	896.4	897.1	897.6	898.3
150°	925.0	924.1	921.5	918.8	916.2	913.5	912.7	913.9	915.0	916.2	917.4
152.5°	940.0	939.0	936.5	933.9	931.4	928.9	928.3	929.6	930.8	932.1	933.4
155°	960.0	959.0	957.1	955.1	953.1	951.1	950.9	952.4	953.8	955.4	956.8
157.5°	976.9	975.8	974.4	973.0	971.6	970.2	970.1	971.3	972.7	973.9	975.1
160°	986.8	985.9	984.9	983.9	982.8	981.9	981.9	982.8	983.9	984.9	985.9
162.5°	995.9	994.8	993.9	993.0	992.2	991.3	991.4	992.4	993.4	994.4	995.4
165°	1007.1	1006.0	1005.5	1004.9	1004.4	1004.0	1004.2	1005.2	1006.2	1007.2	1008.2
167.5°	1016.5	1015.4	1014.9	1014.4	1014.0	1013.5	1013.7	1014.7	1015.8	1016.8	1017.7
170°	1021.2	1020.1	1019.8	1019.5	1019.1	1018.8	1019.1	1020.1	1021.1	1022.1	1023.1
172.5°	1024.8	1023.7	1023.4	1023.0	1022.7	1022.4	1022.7	1023.7	1024.7	1025.6	1026.6
175°	1028.7	1027.5	1027.2	1026.9	1026.5	1026.2	1026.6	1027.8	1029.0	1030.1	1031.3
177.5°	1029.4	1028.4	1028.3	1028.2	1028.1	1027.9	1028.3	1029.2	1030.2	1031.1	1032.0
180°	1029.1	1029.1	1029.1	1029.1	1029.1	1029.1	1029.1	1029.1	1029.1	1029.1	1029.1



TEST NUMBER: P331663-930

CATALOG NUMBER: SA2XXRDIP-C485D925U930-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	876.3	876.3	876.3	876.3	876.3	876.3	876.3	876.3	876.3	876.3	876.3
2.5°	881.3	882.1	887.0	889.2	893.6	895.3	897.2	896.7	896.7	897.6	904.5
5°	883.2	889.3	898.5	907.3	915.8	923.2	928.0	932.9	934.7	943.5	951.5
7.5°	880.1	891.3	906.4	919.8	936.0	948.6	959.0	968.5	974.9	987.8	1000.9
10°	876.0	891.8	908.8	926.2	948.4	965.2	982.2	995.3	999.6	1018.7	1029.7
12.5°	867.6	888.8	910.5	933.0	954.7	977.8	996.5	1009.7	1024.7	1041.9	1062.1
15°	855.2	879.6	907.9	936.9	967.9	995.9	1016.0	1038.9	1055.2	1074.2	1091.8
17.5°	837.4	868.8	904.7	938.2	974.1	1004.2	1031.9	1053.8	1065.4	1076.1	1078.8
20°	823.3	857.0	899.4	939.0	974.9	1009.6	1037.0	1055.2	1058.3	1058.6	1042.4
22.5°	808.0	846.1	890.4	930.9	973.9	1012.5	1033.8	1041.6	1029.6	1008.9	977.7
25°	779.8	823.9	875.3	921.6	968.5	1005.0	1012.4	998.7	956.3	911.8	855.6
27.5°	749.2	798.7	853.9	905.4	955.4	978.0	962.2	912.8	836.6	770.4	690.1
30°	726.8	782.4	836.7	894.2	940.4	950.2	914.0	841.2	752.4	652.5	572.4
32.5°	701.2	759.5	819.1	878.6	917.4	907.8	848.0	758.4	654.2	556.0	480.3
35°	664.6	725.0	789.1	848.8	873.5	832.4	742.9	626.3	519.8	428.1	376.0
37.5°	622.5	688.1	754.9	809.7	808.0	739.4	617.5	497.1	407.6	353.4	316.3
40°	592.5	658.8	731.0	777.3	757.5	668.3	536.1	422.6	357.1	313.9	286.8
42.5°	563.8	630.4	702.1	738.8	704.4	594.8	463.1	374.1	320.1	286.4	264.4
45°	514.9	585.1	651.6	672.0	610.4	489.6	374.5	310.0	274.0	249.1	233.8
47.5°	467.1	536.2	596.8	597.2	514.0	397.1	315.9	268.2	237.6	218.3	207.2
50°	437.8	503.6	554.4	546.5	452.2	353.2	282.5	241.4	215.9	201.0	189.4
52.5°	405.0	468.7	512.7	490.2	399.7	310.8	252.6	218.1	196.9	183.9	173.6
55°	357.1	413.8	444.8	410.7	326.1	258.4	213.4	186.3	170.5	159.6	150.7
57.5°	310.2	356.9	376.4	336.7	268.6	214.3	180.5	160.2	144.5	136.6	132.1
60°	280.7	320.6	334.3	290.5	233.5	187.5	159.9	141.0	129.4	124.3	119.7
62.5°	251.8	284.3	290.0	249.8	203.6	164.2	140.4	124.4	116.8	111.8	107.5
65°	208.9	232.3	229.6	197.3	161.0	130.3	112.9	103.2	97.4	90.4	82.8
67.5°	171.9	186.3	177.7	153.4	122.9	101.3	89.9	82.6	75.4	68.7	67.0
70°	148.5	156.8	147.7	125.5	100.8	85.0	75.8	67.0	62.7	61.2	58.5
72.5°	126.2	129.1	119.2	100.1	82.0	70.4	61.5	56.5	54.2	52.9	51.1
75°	94.7	92.5	84.1	69.1	56.9	49.0	46.3	44.4	43.0	41.7	40.8
77.5°	66.5	63.3	55.8	46.1	39.6	35.9	34.2	33.3	32.5	31.9	31.0
80°	49.9	47.8	40.2	32.9	30.2	28.3	27.4	26.2	26.2	25.6	24.6
82.5°	36.5	34.2	27.6	24.1	22.6	21.5	20.8	20.1	19.8	20.0	19.3
85°	19.2	15.5	13.7	13.1	12.1	11.6	11.9	11.3	11.3	11.3	10.9
87.5°	6.4	5.5	5.6	5.7	6.3	6.6	6.6	6.8	7.3	7.3	7.7
90°	2.5	4.4	6.2	8.0	9.6	10.9	12.2	13.5	14.9	15.7	16.6
92.5°	14.8	14.7	14.5	14.3	14.6	15.3	16.0	16.6	17.3	17.7	18.1
95°	43.0	37.5	32.0	26.6	24.4	25.6	26.7	27.9	29.0	29.8	30.7
97.5°	80.6	65.3	49.9	34.5	28.1	30.8	33.5	36.2	38.9	39.5	40.2
100°	109.1	86.4	63.8	41.1	31.2	34.0	36.9	39.6	42.5	43.8	45.1
102.5°	166.3	161.5	156.7	151.9	137.8	114.2	90.7	67.2	43.6	45.3	47.0
105°	231.3	236.3	241.2	246.2	226.1	180.9	135.7	90.6	45.4	47.2	49.1
107.5°	293.3	297.3	301.3	305.4	280.3	226.1	171.9	117.7	63.6	61.7	59.8
110°	333.4	336.8	340.3	343.7	321.6	273.8	225.9	178.1	130.3	113.7	97.2



TEST NUMBER: P331663-930

CATALOG NUMBER: SA2XXRDIP-C485D925U930-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	371.0	374.1	377.2	380.3	375.9	364.1	352.3	340.5	328.6	268.3	208.0
115°	431.0	433.7	436.6	439.4	442.9	447.0	451.2	455.3	459.4	382.8	306.2
117.5°	485.0	488.2	491.4	494.5	497.5	500.3	503.2	506.1	508.8	490.3	471.8
120°	523.7	526.2	528.6	531.2	533.9	536.9	539.8	542.8	545.8	547.8	549.8
122.5°	557.2	559.8	562.4	565.0	567.9	571.2	574.5	577.7	581.0	582.1	583.3
125°	607.5	609.7	611.8	614.0	616.6	619.8	622.9	626.1	629.2	630.4	631.5
127.5°	653.8	656.2	658.5	660.9	663.2	665.6	668.0	670.3	672.7	674.3	676.0
130°	683.2	685.8	688.5	691.1	693.4	695.2	697.0	698.9	700.7	702.5	704.3
132.5°	712.6	714.9	717.1	719.3	721.4	723.3	725.0	726.8	728.6	730.3	731.8
135°	751.7	754.4	757.0	759.7	761.7	763.2	764.8	766.2	767.7	769.3	771.0
137.5°	790.1	792.0	793.8	795.7	797.4	799.1	800.8	802.5	804.2	805.8	807.4
140°	815.2	816.5	817.8	819.1	820.8	822.6	824.3	826.2	828.0	829.5	831.0
142.5°	836.5	837.7	838.9	840.1	841.7	843.8	845.9	848.0	850.0	851.4	852.7
145°	868.8	868.6	868.5	868.3	869.6	872.5	875.2	878.1	880.8	882.0	883.2
147.5°	897.6	897.1	896.4	895.8	896.8	899.6	902.5	905.2	908.0	908.8	909.7
150°	916.2	915.0	913.9	912.7	913.5	916.2	918.8	921.5	924.1	925.0	926.0
152.5°	932.1	930.8	929.6	928.3	928.9	931.4	933.9	936.5	939.0	940.0	940.9
155°	955.4	953.8	952.4	950.9	951.1	953.1	955.1	957.1	959.0	960.0	961.1
157.5°	973.9	972.7	971.3	970.1	970.2	971.6	973.0	974.4	975.8	976.9	978.0
160°	984.9	983.9	982.8	981.9	981.9	982.8	983.9	984.9	985.9	986.8	987.8
162.5°	994.4	993.4	992.4	991.4	991.3	992.2	993.0	993.9	994.8	995.9	997.0
165°	1007.2	1006.2	1005.2	1004.2	1004.0	1004.4	1004.9	1005.5	1006.0	1007.1	1008.3
167.5°	1016.8	1015.8	1014.7	1013.7	1013.5	1014.0	1014.4	1014.9	1015.4	1016.5	1017.7
170°	1022.1	1021.1	1020.1	1019.1	1018.8	1019.1	1019.5	1019.8	1020.1	1021.2	1022.5
172.5°	1025.6	1024.7	1023.7	1022.7	1022.4	1022.7	1023.0	1023.4	1023.7	1024.8	1026.0
175°	1030.1	1029.0	1027.8	1026.6	1026.2	1026.5	1026.9	1027.2	1027.5	1028.7	1029.9
177.5°	1031.1	1030.2	1029.2	1028.3	1027.9	1028.1	1028.2	1028.3	1028.4	1029.4	1030.3
180°	1029.1	1029.1	1029.1	1029.1	1029.1	1029.1	1029.1	1029.1	1029.1	1029.1	1029.1



TEST NUMBER: P331663-930

CATALOG NUMBER: SA2XXRDIP-C485D925U930-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	876.3	876.3	876.3	876.3	876.3	876.3	876.3
2.5°	906.9	910.1	911.6	911.6	913.3	912.6	911.8
5°	959.0	964.8	966.0	971.5	975.5	974.3	974.9
7.5°	1010.9	1020.2	1029.4	1033.6	1034.3	1036.7	1037.6
10°	1042.8	1050.4	1064.7	1062.6	1073.3	1079.3	1069.3
12.5°	1073.5	1083.8	1093.7	1096.4	1102.4	1104.4	1100.4
15°	1101.2	1106.7	1107.3	1105.8	1107.7	1106.1	1100.3
17.5°	1075.3	1066.4	1048.4	1039.8	1033.1	1023.1	1019.1
20°	1032.4	1006.2	975.8	963.6	949.3	921.3	928.0
22.5°	939.9	910.0	879.6	844.0	827.0	800.5	798.9
25°	795.9	744.4	687.8	648.2	625.1	598.6	587.0
27.5°	618.8	554.0	507.6	484.1	462.7	441.7	440.8
30°	502.4	453.6	417.8	397.6	384.6	375.7	377.6
32.5°	423.5	390.0	365.8	349.2	339.5	332.8	332.7
35°	346.2	323.3	307.8	300.8	293.8	288.9	289.3
37.5°	296.3	282.5	273.9	266.2	261.8	259.4	258.0
40°	270.7	259.4	252.7	248.2	244.5	241.2	240.5
42.5°	250.5	241.2	234.4	230.8	227.5	225.0	224.5
45°	222.3	214.7	208.6	204.6	203.1	201.0	201.0
47.5°	197.7	190.2	185.5	183.0	180.3	179.0	178.9
50°	181.2	175.4	171.1	169.6	167.5	166.6	166.2
52.5°	166.3	162.0	158.9	157.9	156.9	155.8	156.0
55°	146.1	143.7	142.5	141.5	140.1	138.2	139.4
57.5°	129.1	127.1	123.8	120.9	119.5	118.2	118.7
60°	117.2	112.9	108.7	105.3	104.4	101.7	101.7
62.5°	102.2	96.1	90.9	89.0	88.1	86.8	86.6
65°	78.5	76.1	74.9	73.7	73.1	73.1	72.5
67.5°	65.1	64.1	62.8	62.5	61.9	61.7	61.5
70°	57.6	56.3	55.7	55.4	54.8	55.1	54.2
72.5°	50.2	49.2	49.2	48.3	48.0	48.0	47.4
75°	39.5	39.5	39.3	39.0	38.4	38.1	38.4
77.5°	30.4	30.5	29.9	29.9	29.8	29.9	29.6
80°	24.4	24.6	24.4	24.1	23.7	24.1	23.7
82.5°	19.2	18.8	18.8	18.7	18.7	18.4	18.4
85°	10.9	11.3	10.9	10.7	10.7	10.7	10.9
87.5°	7.6	7.7	7.9	8.0	8.0	8.1	7.9
90°	17.4	18.2	18.8	19.1	19.4	19.8	20.1
92.5°	18.6	19.0	19.3	19.5	19.7	19.9	20.1
95°	31.6	32.4	32.7	32.5	32.4	32.2	32.0
97.5°	40.8	41.5	41.9	42.2	42.3	42.6	42.7
100°	46.4	47.8	48.6	48.9	49.2	49.6	49.9
102.5°	48.8	50.5	51.6	52.1	52.5	53.0	53.5
105°	50.9	52.7	54.0	54.6	55.3	55.9	56.6
107.5°	58.0	56.2	55.6	56.3	56.9	57.6	58.2
110°	80.6	64.1	56.2	56.8	57.5	58.1	58.9



TEST NUMBER: P331663-930

CATALOG NUMBER: SA2XXRDIP-C485D925U930-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
112.5°	147.6	87.2	57.3	57.8	58.4	58.9	59.4
115°	229.6	153.0	108.7	96.8	84.9	73.0	61.1
117.5°	453.3	434.7	405.9	366.7	327.6	288.5	249.3
120°	551.8	553.8	543.6	521.2	498.9	476.5	454.2
122.5°	584.5	585.7	584.2	579.8	575.4	571.1	566.8
125°	632.7	633.8	634.6	635.1	635.6	636.2	636.7
127.5°	677.8	679.5	680.3	680.4	680.5	680.6	680.7
130°	706.1	707.9	708.8	708.7	708.4	708.3	708.1
132.5°	733.4	734.9	735.6	735.4	735.2	735.1	734.9
135°	772.7	774.3	774.9	774.6	774.3	774.0	773.6
137.5°	809.0	810.7	811.2	810.7	810.1	809.5	808.9
140°	832.5	834.0	834.3	833.5	832.7	831.8	831.0
142.5°	854.1	855.5	855.7	854.9	854.1	853.3	852.4
145°	884.4	885.5	885.7	884.8	884.0	883.2	882.4
147.5°	910.5	911.4	911.5	910.8	910.1	909.4	908.7
150°	927.1	928.1	928.1	927.3	926.4	925.6	924.8
152.5°	941.9	942.9	942.9	941.8	940.7	939.6	938.5
155°	962.1	963.0	962.9	961.6	960.2	958.9	957.6
157.5°	979.1	980.2	980.2	978.8	977.5	976.2	975.0
160°	988.9	989.9	989.8	988.6	987.4	986.3	985.1
162.5°	998.2	999.3	999.1	997.8	996.3	994.9	993.4
165°	1009.4	1010.6	1010.6	1009.4	1008.3	1007.1	1006.0
167.5°	1018.8	1020.0	1019.8	1018.3	1016.8	1015.4	1013.8
170°	1023.6	1024.7	1024.6	1023.1	1021.6	1020.1	1018.6
172.5°	1027.2	1028.3	1028.2	1026.6	1025.2	1023.7	1022.2
175°	1031.0	1032.2	1031.9	1030.3	1028.7	1027.0	1025.3
177.5°	1031.3	1032.2	1032.0	1030.9	1029.6	1028.4	1027.3
180°	1029.1	1029.1	1029.1	1029.1	1029.1	1029.1	1029.1

(END OF REPORT)