

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: P331664-930

Luminaire Tested: **SA2XXRDIP-C485D925U930-4F0-1E-UDD-A1**

Issue Date: 10/7/2019

**Test Information**

Test Method: LM-79-08  
Report Number: P331664-930  
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-C485D925U930-4F0-1E-UDD-A1  
Description: DEFINE 2 DIRECT-INDIRECT PENDANT LED LUMINAIRE  
DOWNLIGHT 485 LUMENS PER FOOT, ASYMMETRIC DIFFUSER, REGRESSED HOUSING  
UPLIGHT 925 LUMENS PER FOOT, FLUSH SATIN WHITE DIFFUSER  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

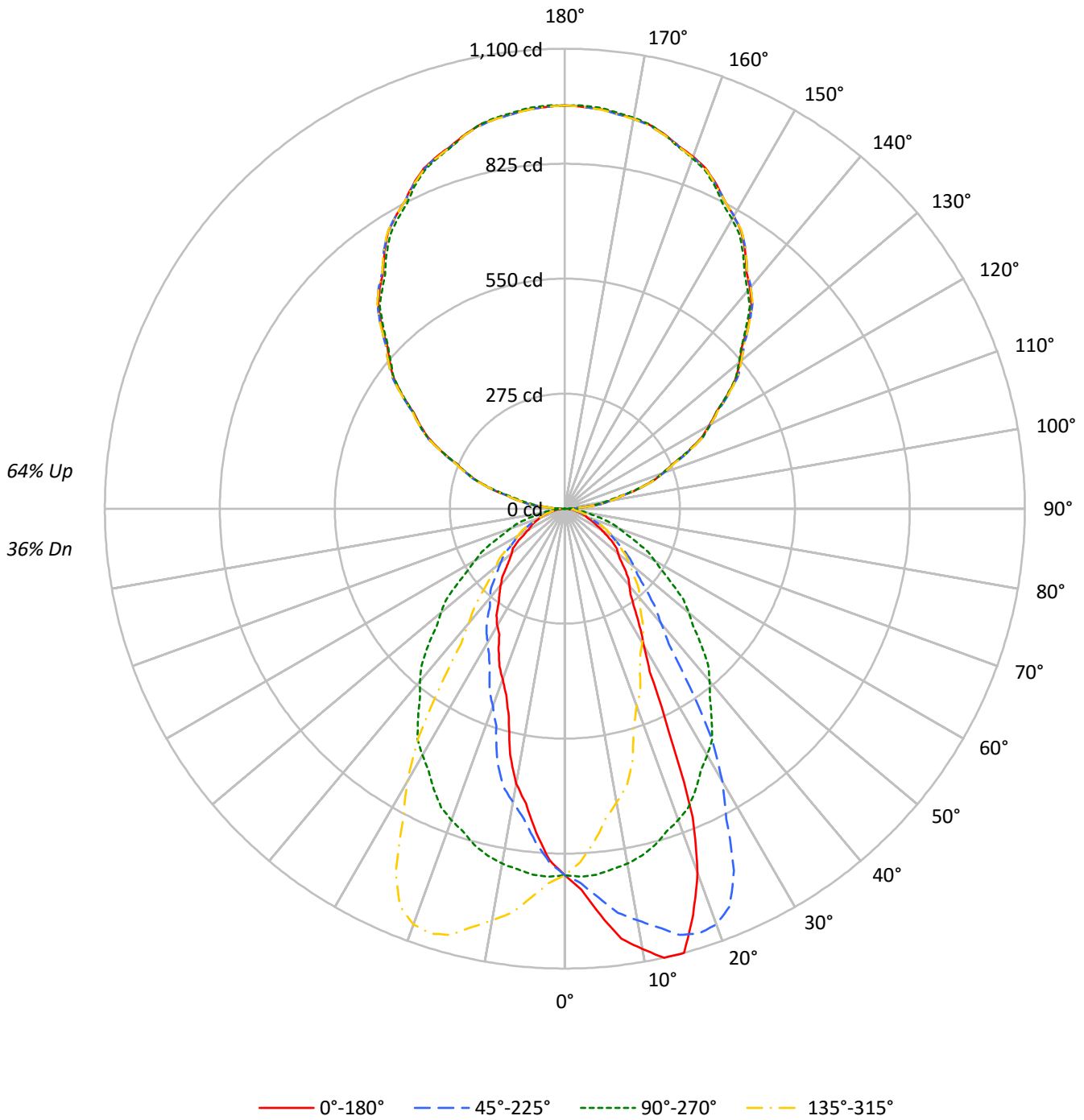
Lumens per Lamp: N/A  
Luminaire Lumens: 4214.2 lumens  
Efficiency: N/A  
Efficacy: 94.7 lumens/watt  
Spacing Criteria (0/90/45): 0.86 / 1.16 / 1.02  
Luminous Opening: Rectangular (W 4' x L: 0.17' x H: 0')  
CIE Type: Semi-Indirect

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: P331664-930  
CATALOG NUMBER: SA2XXRDIP-C485D925U930-4F0-1E-UDD-A1

### Luminous Intensity Polar Plot





TEST NUMBER: P331664-930

CATALOG NUMBER: SA2XXRDIP-C485D925U930-4F0-1E-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	104	104	104	104	94	94	94	94	76	76	76	59	59	59	43	43	43	36
1	95	91	88	84	86	83	80	77	67	65	63	52	51	50	39	38	38	31
2	87	80	75	70	79	73	68	64	59	56	53	47	44	43	35	34	33	27
3	80	71	64	59	72	65	59	54	53	49	45	42	39	37	32	30	28	24
4	73	63	56	50	66	58	51	46	47	43	39	38	35	32	29	27	25	21
5	67	57	49	43	61	52	45	40	43	38	34	34	31	28	26	24	22	19
6	62	51	43	38	56	47	40	35	39	34	30	31	28	25	24	22	20	17
7	58	46	39	33	52	42	36	31	35	30	27	28	25	22	22	20	18	15
8	54	42	35	30	49	39	32	28	32	27	24	26	23	20	20	18	16	14
9	50	38	31	27	45	35	29	25	30	25	21	24	21	18	19	17	15	13
10	47	35	28	24	43	33	27	22	27	23	19	22	19	17	18	15	14	12

**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: P331664-930

CATALOG NUMBER: SA2XXRDIP-C485D925U930-4F0-1E-UDD-A1

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	83.1	2.0
10°-20°	231.5	5.5
20°-30°	298.2	7.1
30°-40°	283.4	6.7
40°-50°	242.8	5.8
50°-60°	184.9	4.4
60°-70°	116.9	2.8
70°-80°	58.4	1.4
80°-90°	19.0	0.5
90°-100°	61.1	1.4
100°-110°	189.8	4.5
110°-120°	324.3	7.7
120°-130°	426.5	10.1
130°-140°	478.7	11.4
140°-150°	469.4	11.1
150°-160°	393.7	9.3
160°-170°	261.1	6.2
170°-180°	91.3	2.2
0°-30°	612.8	14.5
0°-40°	896.2	21.3
0°-60°	1323.9	31.4
0°-90°	1518.2	36.0
90°-120°	575.2	13.6
90°-150°	1949.8	46.3
90°-180°	2696.0	64.0
0°-180°	4214.2	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°	28	1	28	1	28	12
95°	50	42	50	42	50	56
105°	181	175	181	175	181	190
115°	326	326	326	326	326	321
125°	475	474	475	474	475	424
135°	620	613	620	613	620	477
145°	752	744	752	744	752	469
155°	857	850	857	850	857	394
165°	926	925	926	925	926	261
175°	959	962	959	962	959	91
180°	964	964	964	964	964	



TEST NUMBER: P331664-930  
 CATALOG NUMBER: SA2XXRDIP-C485D925U930-4F0-1E-UDD-A1

**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°	9.5	9.6	9.6	9.5	9.5	9.5	9.6	9.9	9.8	10.1	9.0
90°	27.6	27.5	27.3	27.1	26.9	27.1	27.4	27.7	28.1	28.5	24.5
92.5°	26.3	26.3	26.3	26.3	26.3	26.2	26.1	26.0	25.9	25.8	24.9
95°	50.5	50.8	51.2	51.5	51.9	52.1	52.1	52.1	52.1	52.1	51.7
97.5°	87.4	87.4	87.5	87.5	87.6	87.6	87.6	87.6	87.6	87.6	86.8
100°	111.5	111.6	111.9	112.0	112.2	112.3	112.3	112.3	112.3	112.3	111.8
102.5°	138.8	139.0	139.2	139.3	139.5	139.6	139.4	139.3	139.1	139.0	138.3
105°	180.6	180.6	180.6	180.6	180.6	180.4	180.1	179.7	179.4	179.0	178.6
107.5°	220.0	220.9	221.7	222.5	223.3	223.6	223.6	223.4	223.2	223.1	223.1
110°	250.6	251.1	251.7	252.3	252.7	253.1	253.1	253.1	253.1	253.1	253.1



TEST NUMBER: P331664-930

CATALOG NUMBER: SA2XXRDIP-C485D925U930-4F0-1E-UDD-A1

**CANDELA DISTRIBUTION (continued):**

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	279.9	280.3	280.7	281.1	281.4	281.9	282.3	282.7	283.2	283.6	283.8
115°	325.5	326.0	326.5	327.1	327.6	328.0	328.2	328.3	328.6	328.7	329.1
117.5°	368.9	369.4	370.0	370.6	371.0	371.5	372.0	372.4	372.8	373.3	374.3
120°	399.5	400.1	400.6	401.1	401.7	401.9	401.9	401.9	401.9	401.9	403.4
122.5°	429.4	429.8	430.2	430.6	431.0	431.5	431.9	432.3	432.8	433.2	434.2
125°	475.2	475.3	475.5	475.7	475.9	476.2	476.8	477.4	477.8	478.4	479.0
127.5°	516.8	517.4	518.0	518.5	519.1	519.8	520.4	521.1	521.7	522.4	523.0
130°	546.7	547.5	548.2	548.9	549.7	550.2	550.6	550.9	551.3	551.6	552.0
132.5°	575.4	576.0	576.6	577.2	577.7	578.4	579.2	580.0	580.8	581.6	581.5
135°	620.0	620.5	621.1	621.6	622.2	622.5	622.7	622.9	623.1	623.2	622.9
137.5°	660.3	661.0	661.8	662.5	663.2	663.7	663.8	664.0	664.1	664.2	663.8
140°	688.4	689.1	689.7	690.5	691.2	691.6	691.6	691.6	691.6	691.6	690.7
142.5°	713.7	714.4	715.2	715.9	716.6	716.9	716.7	716.6	716.5	716.3	715.7
145°	751.8	752.5	753.3	754.0	754.7	755.0	754.8	754.6	754.4	754.2	753.2
147.5°	785.8	786.5	787.2	787.9	788.6	788.7	788.3	787.9	787.5	787.1	786.4
150°	808.0	808.5	809.0	809.6	810.1	810.1	809.6	809.0	808.5	808.0	807.2
152.5°	828.8	829.5	830.1	830.8	831.5	831.5	830.8	830.1	829.5	828.8	827.9
155°	856.7	857.3	857.9	858.3	858.9	858.8	857.9	857.0	856.1	855.1	854.6
157.5°	880.8	881.7	882.6	883.5	884.3	884.1	882.9	881.7	880.4	879.2	878.9
160°	895.8	896.5	897.2	898.0	898.7	898.5	897.4	896.3	895.3	894.1	894.0
162.5°	908.8	909.7	910.5	911.4	912.3	912.1	910.9	909.6	908.4	907.2	907.0
165°	925.9	926.8	927.7	928.6	929.5	929.4	928.1	926.8	925.5	924.3	924.3
167.5°	939.9	940.9	941.8	942.7	943.6	943.5	942.2	940.9	939.7	938.4	938.5
170°	947.1	948.1	949.3	950.3	951.4	951.3	950.1	948.8	947.5	946.2	946.4
172.5°	952.9	954.0	955.1	956.2	957.2	957.2	955.9	954.6	953.4	952.1	952.3
175°	959.3	960.3	961.4	962.5	963.6	963.5	962.2	961.0	959.7	958.5	958.8
177.5°	962.2	963.0	963.9	964.8	965.6	965.6	964.8	963.9	963.0	962.2	962.5
180°	964.2	964.2	964.2	964.2	964.2	964.2	964.2	964.2	964.2	964.2	964.2



TEST NUMBER: P331664-930

CATALOG NUMBER: SA2XXRDIP-C485D925U930-4F0-1E-UDD-A1

**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°	8.2	7.7	6.9	6.0	5.9	5.6	6.4	7.3	6.7	6.4	6.4
90°	20.5	16.6	12.6	9.5	7.3	5.1	3.0	0.8	3.0	5.1	7.3
92.5°	24.0	23.1	22.1	20.9	19.2	17.7	16.1	14.5	16.1	17.7	19.2
95°	51.4	51.0	50.6	49.6	47.7	45.9	44.1	42.3	44.1	45.9	47.7
97.5°	86.2	85.5	84.8	83.6	82.1	80.5	78.9	77.3	78.9	80.5	82.1
100°	111.2	110.6	110.1	109.1	107.7	106.2	104.8	103.3	104.8	106.2	107.7
102.5°	137.6	136.9	136.2	135.3	134.1	133.0	131.8	130.7	131.8	133.0	134.1
105°	178.3	177.9	177.6	177.1	176.6	176.0	175.5	175.0	175.5	176.0	176.6
107.5°	223.1	223.1	223.1	222.7	221.9	221.1	220.3	219.5	220.3	221.1	221.9
110°	253.1	253.1	253.1	252.5	251.4	250.3	249.2	248.2	249.2	250.3	251.4





TEST NUMBER: P331664-930

CATALOG NUMBER: SA2XXRDIP-C485D925U930-4F0-1E-UDD-A1

**CANDELA DISTRIBUTION (continued):**

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	283.9	284.1	284.2	283.7	282.7	281.6	280.5	279.4	280.5	281.6	282.7
115°	329.5	329.8	330.1	329.8	328.7	327.6	326.5	325.5	326.5	327.6	328.7
117.5°	375.3	376.3	377.3	377.2	375.7	374.2	372.8	371.4	372.8	374.2	375.7
120°	404.8	406.3	407.7	407.7	406.3	404.8	403.4	401.9	403.4	404.8	406.3
122.5°	435.2	436.2	437.2	436.8	435.1	433.4	431.6	429.9	431.6	433.4	435.1
125°	479.5	480.0	480.6	480.0	478.4	476.8	475.2	473.5	475.2	476.8	478.4
127.5°	523.7	524.3	525.0	524.2	522.2	520.2	518.0	516.0	518.0	520.2	522.2
130°	552.4	552.7	553.1	552.1	549.8	547.4	545.0	542.7	545.0	547.4	549.8
132.5°	581.5	581.4	581.3	580.3	578.4	576.5	574.5	572.7	574.5	576.5	578.4
135°	622.5	622.2	621.8	620.6	618.6	616.6	614.7	612.7	614.7	616.6	618.6
137.5°	663.3	662.8	662.3	661.3	659.7	658.0	656.4	654.8	656.4	658.0	659.7
140°	689.7	688.8	687.9	686.7	685.1	683.5	681.8	680.2	681.8	683.5	685.1
142.5°	715.1	714.4	713.9	712.7	711.1	709.5	707.8	706.2	707.8	709.5	711.1
145°	752.0	751.0	749.9	748.7	747.5	746.2	744.9	743.6	744.9	746.2	747.5
147.5°	785.6	785.0	784.2	783.1	781.5	780.1	778.5	777.0	778.5	780.1	781.5
150°	806.5	805.8	805.0	804.1	803.1	801.9	800.9	799.8	800.9	801.9	803.1
152.5°	827.0	826.1	825.3	824.3	823.2	822.1	821.1	819.9	821.1	822.1	823.2
155°	854.0	853.5	853.0	852.4	851.9	851.3	850.8	850.3	850.8	851.3	851.9
157.5°	878.6	878.2	877.9	877.6	877.2	876.9	876.4	876.1	876.4	876.9	877.2
160°	893.8	893.6	893.5	893.2	892.8	892.4	892.1	891.8	892.1	892.4	892.8
162.5°	906.9	906.7	906.4	906.4	906.3	906.2	906.1	906.0	906.1	906.2	906.3
165°	924.3	924.3	924.3	924.4	924.5	924.7	925.0	925.1	925.0	924.7	924.5
167.5°	938.5	938.6	938.6	938.9	939.4	940.0	940.5	941.0	940.5	940.0	939.4
170°	946.6	946.8	947.0	947.3	947.9	948.4	948.9	949.5	948.9	948.4	947.9
172.5°	952.4	952.7	952.8	953.2	953.7	954.3	954.8	955.4	954.8	954.3	953.7
175°	959.2	959.5	959.9	960.3	960.9	961.4	962.0	962.5	962.0	961.4	960.9
177.5°	962.8	963.0	963.4	963.7	964.2	964.6	965.0	965.5	965.0	964.6	964.2
180°	964.2	964.2	964.2	964.2	964.2	964.2	964.2	964.2	964.2	964.2	964.2



TEST NUMBER: P331664-930

CATALOG NUMBER: SA2XXRDIP-C485D925U930-4F0-1E-UDD-A1

**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°	6.5	6.9	7.2	8.0	8.8	9.4	9.3	9.0	8.9	8.8	8.6
90°	9.5	12.6	16.6	20.5	24.5	28.5	28.1	27.7	27.4	27.1	26.9
92.5°	20.9	22.1	23.1	24.0	24.9	25.8	25.9	26.0	26.1	26.2	26.3
95°	49.6	50.6	51.0	51.4	51.7	52.1	52.1	52.1	52.1	52.1	51.9
97.5°	83.6	84.8	85.5	86.2	86.8	87.6	87.6	87.6	87.6	87.6	87.6
100°	109.1	110.1	110.6	111.2	111.8	112.3	112.3	112.3	112.3	112.3	112.2
102.5°	135.3	136.2	136.9	137.6	138.3	139.0	139.1	139.3	139.4	139.6	139.5
105°	177.1	177.6	177.9	178.3	178.6	179.0	179.4	179.7	180.1	180.4	180.6
107.5°	222.7	223.1	223.1	223.1	223.1	223.1	223.2	223.4	223.6	223.6	223.3
110°	252.5	253.1	253.1	253.1	253.1	253.1	253.1	253.1	253.1	253.1	252.7



TEST NUMBER: P331664-930  
 CATALOG NUMBER: SA2XXRDIP-C485D925U930-4F0-1E-UDD-A1

**CANDELA DISTRIBUTION (continued):**

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	283.7	284.2	284.1	283.9	283.8	283.6	283.2	282.7	282.3	281.9	281.4
115°	329.8	330.1	329.8	329.5	329.1	328.7	328.6	328.3	328.2	328.0	327.6
117.5°	377.2	377.3	376.3	375.3	374.3	373.3	372.8	372.4	372.0	371.5	371.0
120°	407.7	407.7	406.3	404.8	403.4	401.9	401.9	401.9	401.9	401.9	401.7
122.5°	436.8	437.2	436.2	435.2	434.2	433.2	432.8	432.3	431.9	431.5	431.0
125°	480.0	480.6	480.0	479.5	479.0	478.4	477.8	477.4	476.8	476.2	475.9
127.5°	524.2	525.0	524.3	523.7	523.0	522.4	521.7	521.1	520.4	519.8	519.1
130°	552.1	553.1	552.7	552.4	552.0	551.6	551.3	550.9	550.6	550.2	549.7
132.5°	580.3	581.3	581.4	581.5	581.5	581.6	580.8	580.0	579.2	578.4	577.7
135°	620.6	621.8	622.2	622.5	622.9	623.2	623.1	622.9	622.7	622.5	622.2
137.5°	661.3	662.3	662.8	663.3	663.8	664.2	664.1	664.0	663.8	663.7	663.2
140°	686.7	687.9	688.8	689.7	690.7	691.6	691.6	691.6	691.6	691.6	691.2
142.5°	712.7	713.9	714.4	715.1	715.7	716.3	716.5	716.6	716.7	716.9	716.6
145°	748.7	749.9	751.0	752.0	753.2	754.2	754.4	754.6	754.8	755.0	754.7
147.5°	783.1	784.2	785.0	785.6	786.4	787.1	787.5	787.9	788.3	788.7	788.6
150°	804.1	805.0	805.8	806.5	807.2	808.0	808.5	809.0	809.6	810.1	810.1
152.5°	824.3	825.3	826.1	827.0	827.9	828.8	829.5	830.1	830.8	831.5	831.5
155°	852.4	853.0	853.5	854.0	854.6	855.1	856.1	857.0	857.9	858.8	858.9
157.5°	877.6	877.9	878.2	878.6	878.9	879.2	880.4	881.7	882.9	884.1	884.3
160°	893.2	893.5	893.6	893.8	894.0	894.1	895.3	896.3	897.4	898.5	898.7
162.5°	906.4	906.4	906.7	906.9	907.0	907.2	908.4	909.6	910.9	912.1	912.3
165°	924.4	924.3	924.3	924.3	924.3	924.3	925.5	926.8	928.1	929.4	929.5
167.5°	938.9	938.6	938.6	938.5	938.5	938.4	939.7	940.9	942.2	943.5	943.6
170°	947.3	947.0	946.8	946.6	946.4	946.2	947.5	948.8	950.1	951.3	951.4
172.5°	953.2	952.8	952.7	952.4	952.3	952.1	953.4	954.6	955.9	957.2	957.2
175°	960.3	959.9	959.5	959.2	958.8	958.5	959.7	961.0	962.2	963.5	963.6
177.5°	963.7	963.4	963.0	962.8	962.5	962.2	963.0	963.9	964.8	965.6	965.6
180°	964.2	964.2	964.2	964.2	964.2	964.2	964.2	964.2	964.2	964.2	964.2



TEST NUMBER: P331664-930

CATALOG NUMBER: SA2XXRDIP-C485D925U930-4F0-1E-UDD-A1

**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°	8.6	8.4	8.6	8.5	8.6	8.4	8.6	8.6	8.8	8.9	9.0
90°	27.1	27.3	27.5	27.6	27.5	27.3	27.1	26.9	27.1	27.4	27.7
92.5°	26.3	26.3	26.3	26.3	26.3	26.3	26.3	26.3	26.2	26.1	26.0
95°	51.5	51.2	50.8	50.5	50.8	51.2	51.5	51.9	52.1	52.1	52.1
97.5°	87.5	87.5	87.4	87.4	87.4	87.5	87.5	87.6	87.6	87.6	87.6
100°	112.0	111.9	111.6	111.5	111.6	111.9	112.0	112.2	112.3	112.3	112.3
102.5°	139.3	139.2	139.0	138.8	139.0	139.2	139.3	139.5	139.6	139.4	139.3
105°	180.6	180.6	180.6	180.6	180.6	180.6	180.6	180.6	180.4	180.1	179.7
107.5°	222.5	221.7	220.9	220.0	220.9	221.7	222.5	223.3	223.6	223.6	223.4
110°	252.3	251.7	251.1	250.6	251.1	251.7	252.3	252.7	253.1	253.1	253.1



TEST NUMBER: P331664-930

CATALOG NUMBER: SA2XXRDIP-C485D925U930-4F0-1E-UDD-A1

**CANDELA DISTRIBUTION (continued):**

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	281.1	280.7	280.3	279.9	280.3	280.7	281.1	281.4	281.9	282.3	282.7
115°	327.1	326.5	326.0	325.5	326.0	326.5	327.1	327.6	328.0	328.2	328.3
117.5°	370.6	370.0	369.4	368.9	369.4	370.0	370.6	371.0	371.5	372.0	372.4
120°	401.1	400.6	400.1	399.5	400.1	400.6	401.1	401.7	401.9	401.9	401.9
122.5°	430.6	430.2	429.8	429.4	429.8	430.2	430.6	431.0	431.5	431.9	432.3
125°	475.7	475.5	475.3	475.2	475.3	475.5	475.7	475.9	476.2	476.8	477.4
127.5°	518.5	518.0	517.4	516.8	517.4	518.0	518.5	519.1	519.8	520.4	521.1
130°	548.9	548.2	547.5	546.7	547.5	548.2	548.9	549.7	550.2	550.6	550.9
132.5°	577.2	576.6	576.0	575.4	576.0	576.6	577.2	577.7	578.4	579.2	580.0
135°	621.6	621.1	620.5	620.0	620.5	621.1	621.6	622.2	622.5	622.7	622.9
137.5°	662.5	661.8	661.0	660.3	661.0	661.8	662.5	663.2	663.7	663.8	664.0
140°	690.5	689.7	689.1	688.4	689.1	689.7	690.5	691.2	691.6	691.6	691.6
142.5°	715.9	715.2	714.4	713.7	714.4	715.2	715.9	716.6	716.9	716.7	716.6
145°	754.0	753.3	752.5	751.8	752.5	753.3	754.0	754.7	755.0	754.8	754.6
147.5°	787.9	787.2	786.5	785.8	786.5	787.2	787.9	788.6	788.7	788.3	787.9
150°	809.6	809.0	808.5	808.0	808.5	809.0	809.6	810.1	810.1	809.6	809.0
152.5°	830.8	830.1	829.5	828.8	829.5	830.1	830.8	831.5	831.5	830.8	830.1
155°	858.3	857.9	857.3	856.7	857.3	857.9	858.3	858.9	858.8	857.9	857.0
157.5°	883.5	882.6	881.7	880.8	881.7	882.6	883.5	884.3	884.1	882.9	881.7
160°	898.0	897.2	896.5	895.8	896.5	897.2	898.0	898.7	898.5	897.4	896.3
162.5°	911.4	910.5	909.7	908.8	909.7	910.5	911.4	912.3	912.1	910.9	909.6
165°	928.6	927.7	926.8	925.9	926.8	927.7	928.6	929.5	929.4	928.1	926.8
167.5°	942.7	941.8	940.9	939.9	940.9	941.8	942.7	943.6	943.5	942.2	940.9
170°	950.3	949.3	948.1	947.1	948.1	949.3	950.3	951.4	951.3	950.1	948.8
172.5°	956.2	955.1	954.0	952.9	954.0	955.1	956.2	957.2	957.2	955.9	954.6
175°	962.5	961.4	960.3	959.3	960.3	961.4	962.5	963.6	963.5	962.2	961.0
177.5°	964.8	963.9	963.0	962.2	963.0	963.9	964.8	965.6	965.6	964.8	963.9
180°	964.2	964.2	964.2	964.2	964.2	964.2	964.2	964.2	964.2	964.2	964.2



TEST NUMBER: P331664-930  
 CATALOG NUMBER: SA2XXRDIP-C485D925U930-4F0-1E-UDD-A1

**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°	9.3	9.4	8.8	8.0	7.2	6.9	6.5	6.4	6.4	6.7	7.3
90°	28.1	28.5	24.5	20.5	16.6	12.6	9.5	7.3	5.1	3.0	0.8
92.5°	25.9	25.8	24.9	24.0	23.1	22.1	20.9	19.2	17.7	16.1	14.5
95°	52.1	52.1	51.7	51.4	51.0	50.6	49.6	47.7	45.9	44.1	42.3
97.5°	87.6	87.6	86.8	86.2	85.5	84.8	83.6	82.1	80.5	78.9	77.3
100°	112.3	112.3	111.8	111.2	110.6	110.1	109.1	107.7	106.2	104.8	103.3
102.5°	139.1	139.0	138.3	137.6	136.9	136.2	135.3	134.1	133.0	131.8	130.7
105°	179.4	179.0	178.6	178.3	177.9	177.6	177.1	176.6	176.0	175.5	175.0
107.5°	223.2	223.1	223.1	223.1	223.1	223.1	222.7	221.9	221.1	220.3	219.5
110°	253.1	253.1	253.1	253.1	253.1	253.1	252.5	251.4	250.3	249.2	248.2



TEST NUMBER: P331664-930

CATALOG NUMBER: SA2XXRDIP-C485D925U930-4F0-1E-UDD-A1

**CANDELA DISTRIBUTION (continued):**

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	283.2	283.6	283.8	283.9	284.1	284.2	283.7	282.7	281.6	280.5	279.4
115°	328.6	328.7	329.1	329.5	329.8	330.1	329.8	328.7	327.6	326.5	325.5
117.5°	372.8	373.3	374.3	375.3	376.3	377.3	377.2	375.7	374.2	372.8	371.4
120°	401.9	401.9	403.4	404.8	406.3	407.7	407.7	406.3	404.8	403.4	401.9
122.5°	432.8	433.2	434.2	435.2	436.2	437.2	436.8	435.1	433.4	431.6	429.9
125°	477.8	478.4	479.0	479.5	480.0	480.6	480.0	478.4	476.8	475.2	473.5
127.5°	521.7	522.4	523.0	523.7	524.3	525.0	524.2	522.2	520.2	518.0	516.0
130°	551.3	551.6	552.0	552.4	552.7	553.1	552.1	549.8	547.4	545.0	542.7
132.5°	580.8	581.6	581.5	581.5	581.4	581.3	580.3	578.4	576.5	574.5	572.7
135°	623.1	623.2	622.9	622.5	622.2	621.8	620.6	618.6	616.6	614.7	612.7
137.5°	664.1	664.2	663.8	663.3	662.8	662.3	661.3	659.7	658.0	656.4	654.8
140°	691.6	691.6	690.7	689.7	688.8	687.9	686.7	685.1	683.5	681.8	680.2
142.5°	716.5	716.3	715.7	715.1	714.4	713.9	712.7	711.1	709.5	707.8	706.2
145°	754.4	754.2	753.2	752.0	751.0	749.9	748.7	747.5	746.2	744.9	743.6
147.5°	787.5	787.1	786.4	785.6	785.0	784.2	783.1	781.5	780.1	778.5	777.0
150°	808.5	808.0	807.2	806.5	805.8	805.0	804.1	803.1	801.9	800.9	799.8
152.5°	829.5	828.8	827.9	827.0	826.1	825.3	824.3	823.2	822.1	821.1	819.9
155°	856.1	855.1	854.6	854.0	853.5	853.0	852.4	851.9	851.3	850.8	850.3
157.5°	880.4	879.2	878.9	878.6	878.2	877.9	877.6	877.2	876.9	876.4	876.1
160°	895.3	894.1	894.0	893.8	893.6	893.5	893.2	892.8	892.4	892.1	891.8
162.5°	908.4	907.2	907.0	906.9	906.7	906.4	906.4	906.3	906.2	906.1	906.0
165°	925.5	924.3	924.3	924.3	924.3	924.3	924.4	924.5	924.7	925.0	925.1
167.5°	939.7	938.4	938.5	938.5	938.6	938.6	938.9	939.4	940.0	940.5	941.0
170°	947.5	946.2	946.4	946.6	946.8	947.0	947.3	947.9	948.4	948.9	949.5
172.5°	953.4	952.1	952.3	952.4	952.7	952.8	953.2	953.7	954.3	954.8	955.4
175°	959.7	958.5	958.8	959.2	959.5	959.9	960.3	960.9	961.4	962.0	962.5
177.5°	963.0	962.2	962.5	962.8	963.0	963.4	963.7	964.2	964.6	965.0	965.5
180°	964.2	964.2	964.2	964.2	964.2	964.2	964.2	964.2	964.2	964.2	964.2



TEST NUMBER: P331664-930

CATALOG NUMBER: SA2XXRDIP-C485D925U930-4F0-1E-UDD-A1

**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	5.6	5.9	6.0	6.9	7.7	8.2	9.0	10.1	9.8	9.9
90°	3.0	5.1	7.3	9.5	12.6	16.6	20.5	24.5	28.5	28.1	27.7
92.5°	16.1	17.7	19.2	20.9	22.1	23.1	24.0	24.9	25.8	25.9	26.0
95°	44.1	45.9	47.7	49.6	50.6	51.0	51.4	51.7	52.1	52.1	52.1
97.5°	78.9	80.5	82.1	83.6	84.8	85.5	86.2	86.8	87.6	87.6	87.6
100°	104.8	106.2	107.7	109.1	110.1	110.6	111.2	111.8	112.3	112.3	112.3
102.5°	131.8	133.0	134.1	135.3	136.2	136.9	137.6	138.3	139.0	139.1	139.3
105°	175.5	176.0	176.6	177.1	177.6	177.9	178.3	178.6	179.0	179.4	179.7
107.5°	220.3	221.1	221.9	222.7	223.1	223.1	223.1	223.1	223.1	223.2	223.4
110°	249.2	250.3	251.4	252.5	253.1	253.1	253.1	253.1	253.1	253.1	253.1





TEST NUMBER: P331664-930

CATALOG NUMBER: SA2XXRDIP-C485D925U930-4F0-1E-UDD-A1

**CANDELA DISTRIBUTION (continued):**

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	280.5	281.6	282.7	283.7	284.2	284.1	283.9	283.8	283.6	283.2	282.7
115°	326.5	327.6	328.7	329.8	330.1	329.8	329.5	329.1	328.7	328.6	328.3
117.5°	372.8	374.2	375.7	377.2	377.3	376.3	375.3	374.3	373.3	372.8	372.4
120°	403.4	404.8	406.3	407.7	407.7	406.3	404.8	403.4	401.9	401.9	401.9
122.5°	431.6	433.4	435.1	436.8	437.2	436.2	435.2	434.2	433.2	432.8	432.3
125°	475.2	476.8	478.4	480.0	480.6	480.0	479.5	479.0	478.4	477.8	477.4
127.5°	518.0	520.2	522.2	524.2	525.0	524.3	523.7	523.0	522.4	521.7	521.1
130°	545.0	547.4	549.8	552.1	553.1	552.7	552.4	552.0	551.6	551.3	550.9
132.5°	574.5	576.5	578.4	580.3	581.3	581.4	581.5	581.5	581.6	580.8	580.0
135°	614.7	616.6	618.6	620.6	621.8	622.2	622.5	622.9	623.2	623.1	622.9
137.5°	656.4	658.0	659.7	661.3	662.3	662.8	663.3	663.8	664.2	664.1	664.0
140°	681.8	683.5	685.1	686.7	687.9	688.8	689.7	690.7	691.6	691.6	691.6
142.5°	707.8	709.5	711.1	712.7	713.9	714.4	715.1	715.7	716.3	716.5	716.6
145°	744.9	746.2	747.5	748.7	749.9	751.0	752.0	753.2	754.2	754.4	754.6
147.5°	778.5	780.1	781.5	783.1	784.2	785.0	785.6	786.4	787.1	787.5	787.9
150°	800.9	801.9	803.1	804.1	805.0	805.8	806.5	807.2	808.0	808.5	809.0
152.5°	821.1	822.1	823.2	824.3	825.3	826.1	827.0	827.9	828.8	829.5	830.1
155°	850.8	851.3	851.9	852.4	853.0	853.5	854.0	854.6	855.1	856.1	857.0
157.5°	876.4	876.9	877.2	877.6	877.9	878.2	878.6	878.9	879.2	880.4	881.7
160°	892.1	892.4	892.8	893.2	893.5	893.6	893.8	894.0	894.1	895.3	896.3
162.5°	906.1	906.2	906.3	906.4	906.4	906.7	906.9	907.0	907.2	908.4	909.6
165°	925.0	924.7	924.5	924.4	924.3	924.3	924.3	924.3	924.3	925.5	926.8
167.5°	940.5	940.0	939.4	938.9	938.6	938.6	938.5	938.5	938.4	939.7	940.9
170°	948.9	948.4	947.9	947.3	947.0	946.8	946.6	946.4	946.2	947.5	948.8
172.5°	954.8	954.3	953.7	953.2	952.8	952.7	952.4	952.3	952.1	953.4	954.6
175°	962.0	961.4	960.9	960.3	959.9	959.5	959.2	958.8	958.5	959.7	961.0
177.5°	965.0	964.6	964.2	963.7	963.4	963.0	962.8	962.5	962.2	963.0	963.9
180°	964.2	964.2	964.2	964.2	964.2	964.2	964.2	964.2	964.2	964.2	964.2



TEST NUMBER: P331664-930

CATALOG NUMBER: SA2XXRDIP-C485D925U930-4F0-1E-UDD-A1

**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°	9.6	9.5	9.5	9.5	9.6	9.6	9.5
90°	27.4	27.1	26.9	27.1	27.3	27.5	27.6
92.5°	26.1	26.2	26.3	26.3	26.3	26.3	26.3
95°	52.1	52.1	51.9	51.5	51.2	50.8	50.5
97.5°	87.6	87.6	87.6	87.5	87.5	87.4	87.4
100°	112.3	112.3	112.2	112.0	111.9	111.6	111.5
102.5°	139.4	139.6	139.5	139.3	139.2	139.0	138.8
105°	180.1	180.4	180.6	180.6	180.6	180.6	180.6
107.5°	223.6	223.6	223.3	222.5	221.7	220.9	220.0
110°	253.1	253.1	252.7	252.3	251.7	251.1	250.6



TEST NUMBER: P331664-930

CATALOG NUMBER: SA2XXRDIP-C485D925U930-4F0-1E-UDD-A1

**CANDELA DISTRIBUTION (continued):**

	330°	335°	340°	345°	350°	355°	360°
112.5°	282.3	281.9	281.4	281.1	280.7	280.3	279.9
115°	328.2	328.0	327.6	327.1	326.5	326.0	325.5
117.5°	372.0	371.5	371.0	370.6	370.0	369.4	368.9
120°	401.9	401.9	401.7	401.1	400.6	400.1	399.5
122.5°	431.9	431.5	431.0	430.6	430.2	429.8	429.4
125°	476.8	476.2	475.9	475.7	475.5	475.3	475.2
127.5°	520.4	519.8	519.1	518.5	518.0	517.4	516.8
130°	550.6	550.2	549.7	548.9	548.2	547.5	546.7
132.5°	579.2	578.4	577.7	577.2	576.6	576.0	575.4
135°	622.7	622.5	622.2	621.6	621.1	620.5	620.0
137.5°	663.8	663.7	663.2	662.5	661.8	661.0	660.3
140°	691.6	691.6	691.2	690.5	689.7	689.1	688.4
142.5°	716.7	716.9	716.6	715.9	715.2	714.4	713.7
145°	754.8	755.0	754.7	754.0	753.3	752.5	751.8
147.5°	788.3	788.7	788.6	787.9	787.2	786.5	785.8
150°	809.6	810.1	810.1	809.6	809.0	808.5	808.0
152.5°	830.8	831.5	831.5	830.8	830.1	829.5	828.8
155°	857.9	858.8	858.9	858.3	857.9	857.3	856.7
157.5°	882.9	884.1	884.3	883.5	882.6	881.7	880.8
160°	897.4	898.5	898.7	898.0	897.2	896.5	895.8
162.5°	910.9	912.1	912.3	911.4	910.5	909.7	908.8
165°	928.1	929.4	929.5	928.6	927.7	926.8	925.9
167.5°	942.2	943.5	943.6	942.7	941.8	940.9	939.9
170°	950.1	951.3	951.4	950.3	949.3	948.1	947.1
172.5°	955.9	957.2	957.2	956.2	955.1	954.0	952.9
175°	962.2	963.5	963.6	962.5	961.4	960.3	959.3
177.5°	964.8	965.6	965.6	964.8	963.9	963.0	962.2
180°	964.2	964.2	964.2	964.2	964.2	964.2	964.2

(END OF REPORT)