

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: P331663-927

Luminaire Tested: **SA2XXRDIP-C485D925U927-4F0-1E-UDD-A**

Issue Date: 10/7/2019

**Test Information**

Test Method: LM-79-08  
Report Number: P331663-927  
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-C485D925U927-4F0-1E-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**

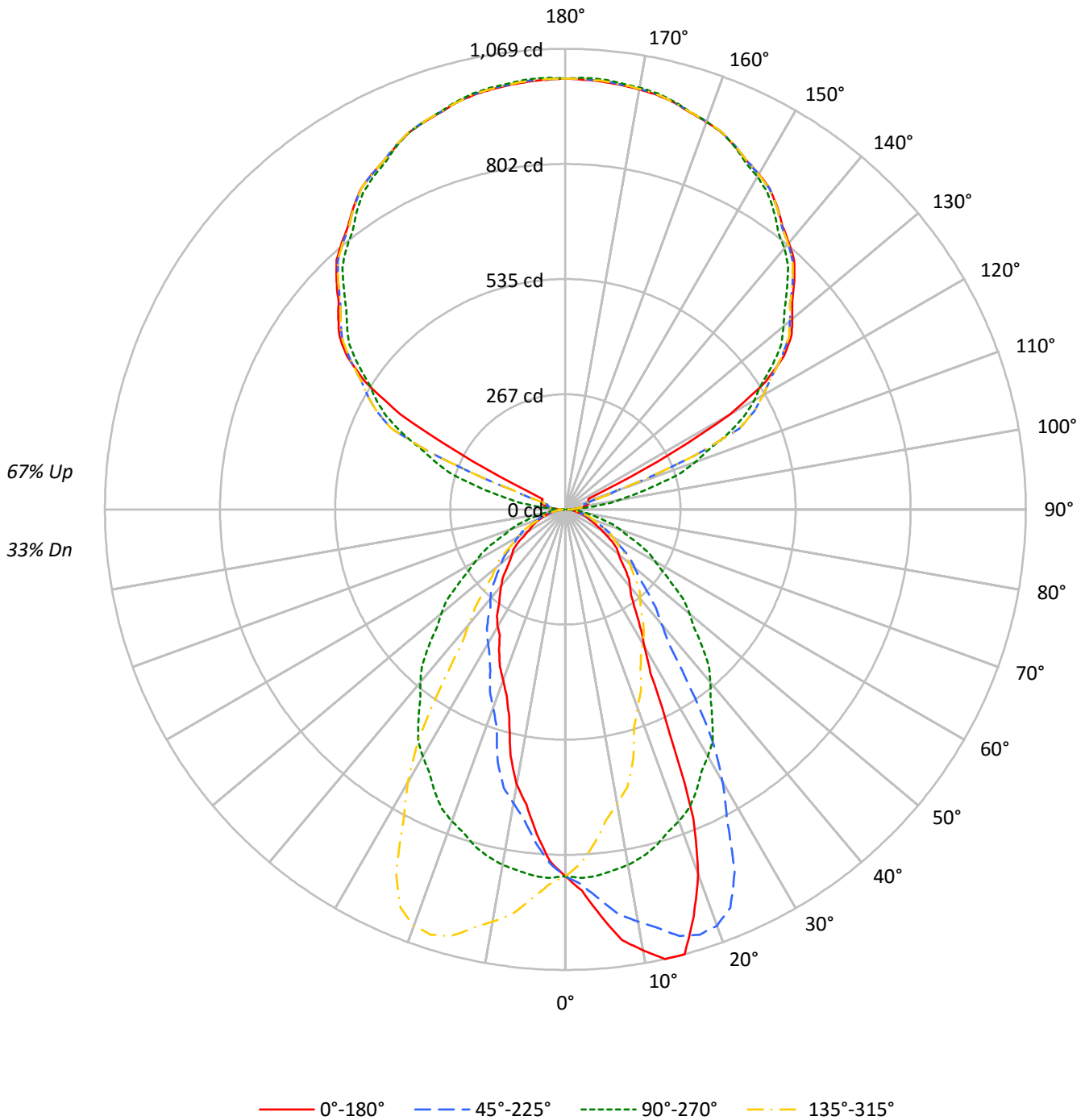
Lumens per Lamp: N/A  
Luminaire Lumens: 4404.0 lumens  
Efficiency: N/A  
Efficacy: 99.0 lumens/watt  
Spacing Criteria (0/90/45): 0.86 / 1.16 / 1.02  
Luminous Opening: Rectangular (W 4' x L: 0.17' x H: 0')  
CIE Type: Semi-Indirect

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



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### Luminous Intensity Polar Plot





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**COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:**

RF	20				20				20				20				20	
RC	80				70				50				30				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°	13747	13747	13747	13747
5°	15352	13833	12266	13833
10°	17033	13736	10632	13736
15°	17870	13534	8376	13534
20°	15493	13235	7247	13235
25°	10162	12827	6472	12827
30°	6840	12333	5858	12333
35°	5541	11710	5282	11710
40°	4926	11030	4890	11030
45°	4459	10234	4364	10234
50°	4057	9445	4042	9445
55°	3814	8569	3764	8569
60°	3190	7766	3152	7766
65°	2690	7053	3053	7053
70°	2488	6297	2875	6297
75°	2327	5483	2658	5483
80°	2148	4510	2362	4510
85°	1964	3575	2075	3575



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	80.7	1.8
10°-20°	224.9	5.1
20°-30°	289.8	6.6
30°-40°	275.4	6.3
40°-50°	235.9	5.4
50°-60°	179.7	4.1
60°-70°	113.6	2.6
70°-80°	56.7	1.3
80°-90°	17.2	0.4
90°-100°	33.4	0.8
100°-110°	122.3	2.8
110°-120°	326.9	7.4
120°-130°	539.7	12.3
130°-140°	574.0	13.0
140°-150°	533.5	12.1
150°-160°	428.9	9.7
160°-170°	276.4	6.3
170°-180°	95.1	2.2
0°-30°	595.4	13.5
0°-40°	870.8	19.8
0°-60°	1286.4	29.2
0°-90°	1473.9	33.5
90°-120°	482.6	11.0
90°-150°	2129.7	48.4
90°-180°	2930.0	66.5
0°-180°	4404.0	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	851	851	851	851	851	
5°	947	854	757	854	947	93
15°	1069	810	501	810	1069	288
25°	570	720	363	720	570	271
35°	281	594	268	594	281	180
45°	195	448	191	448	195	151
55°	136	304	134	304	136	119
65°	70	185	80	185	70	72
75°	37	88	43	88	37	40
85°	11	19	11	19	11	12
90°	20	1	20	1	20	9
95°	31	47	31	47	31	29
105°	55	220	55	220	55	57
115°	59	416	59	416	59	149
125°	619	588	619	588	619	535
135°	752	728	752	728	752	579
145°	857	844	857	844	857	536
155°	930	930	930	930	930	429
165°	978	980	978	980	978	276
175°	996	1002	996	1002	996	95
180°	1000	1000	1000	1000	1000	



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	851.4	851.4	851.4	851.4	851.4	851.4	851.4	851.4	851.4	851.4	851.4
2.5°	886.0	886.7	887.4	885.7	885.7	884.3	881.2	878.8	872.2	871.2	871.2
5°	947.2	946.7	947.8	944.0	938.7	937.5	931.8	924.5	916.8	908.2	906.4
7.5°	1008.2	1007.3	1005.0	1004.2	1000.2	991.3	982.2	972.6	959.8	947.3	941.0
10°	1038.9	1048.7	1042.8	1032.5	1034.5	1020.6	1013.2	1000.5	989.8	971.2	967.1
12.5°	1069.2	1073.1	1071.2	1065.3	1062.7	1053.0	1043.1	1032.0	1012.3	995.6	981.0
15°	1069.1	1074.8	1076.3	1074.4	1075.9	1075.3	1070.0	1060.8	1043.7	1025.3	1009.4
17.5°	990.2	994.1	1003.8	1010.3	1018.7	1036.2	1044.8	1048.2	1045.6	1035.1	1023.9
20°	901.7	895.2	922.4	936.3	948.2	977.7	1003.1	1012.9	1028.6	1028.3	1025.3
22.5°	776.3	777.8	803.6	820.1	854.7	884.2	913.2	950.0	980.3	1000.4	1012.1
25°	570.4	581.6	607.4	629.8	668.3	723.3	773.3	831.3	886.0	929.2	970.3
27.5°	428.3	429.2	449.6	470.4	493.2	538.3	601.3	670.5	748.5	812.9	886.9
30°	366.9	365.0	373.7	386.3	405.9	440.8	488.1	556.2	634.0	731.0	817.4
32.5°	323.3	323.4	329.9	339.3	355.5	379.0	411.5	466.7	540.3	635.6	736.9
35°	281.1	280.7	285.5	292.3	299.0	314.2	336.4	365.4	416.0	505.0	608.6
37.5°	250.7	252.1	254.4	258.6	266.1	274.5	287.9	307.3	343.3	396.0	483.0
40°	233.7	234.3	237.6	241.1	245.6	252.1	263.0	278.7	305.0	347.0	410.6
42.5°	218.1	218.6	221.0	224.3	227.8	234.3	243.4	256.9	278.3	311.0	363.5
45°	195.3	195.3	197.3	198.8	202.6	208.6	215.9	227.2	242.0	266.3	301.2
47.5°	173.8	173.9	175.2	177.8	180.2	184.8	192.1	201.3	212.1	230.8	260.6
50°	161.5	161.8	162.7	164.8	166.3	170.4	176.0	184.0	195.3	209.8	234.6
52.5°	151.5	151.4	152.5	153.4	154.4	157.4	161.6	168.7	178.7	191.3	211.9
55°	135.5	134.3	136.1	137.5	138.5	139.7	142.0	146.5	155.0	165.6	181.0
57.5°	115.3	114.9	116.1	117.5	120.3	123.5	125.5	128.3	132.8	140.4	155.7
60°	98.8	98.8	101.5	102.3	105.6	109.7	113.9	116.3	120.7	125.7	137.0
62.5°	84.1	84.4	85.6	86.5	88.3	93.4	99.3	104.4	108.6	113.4	120.9
65°	70.4	71.0	71.0	71.6	72.8	74.0	76.3	80.5	87.9	94.7	100.3
67.5°	59.7	60.0	60.1	60.7	61.0	62.3	63.2	65.1	66.8	73.3	80.2
70°	52.7	53.6	53.2	53.9	54.1	54.7	55.9	56.8	59.5	60.9	65.1
72.5°	46.0	46.7	46.7	47.0	47.8	47.8	48.8	49.7	51.4	52.7	54.9
75°	37.3	37.0	37.3	37.9	38.2	38.4	38.4	39.6	40.6	41.7	43.2
77.5°	28.8	29.1	29.0	29.1	29.1	29.6	29.5	30.1	31.0	31.6	32.3
80°	23.1	23.4	23.1	23.4	23.7	23.9	23.7	23.9	24.9	25.4	25.4
82.5°	17.9	17.9	18.1	18.1	18.2	18.3	18.7	18.8	19.4	19.3	19.5
85°	10.6	10.4	10.4	10.4	10.6	10.9	10.6	10.6	10.9	10.9	10.9
87.5°	7.7	7.8	7.8	7.8	7.7	7.5	7.4	7.4	7.1	7.1	6.7
90°	19.6	19.3	18.9	18.5	18.2	17.7	16.9	16.1	15.3	14.5	13.2
92.5°	19.6	19.3	19.2	18.9	18.8	18.5	18.1	17.6	17.2	16.8	16.2
95°	31.1	31.3	31.4	31.6	31.8	31.4	30.7	29.8	29.0	28.2	27.1
97.5°	41.5	41.4	41.1	41.0	40.7	40.3	39.7	39.1	38.4	37.8	35.2
100°	48.5	48.2	47.8	47.5	47.2	46.4	45.1	43.8	42.5	41.3	38.5
102.5°	52.0	51.5	51.0	50.6	50.1	49.1	47.5	45.7	44.0	42.4	65.3
105°	55.0	54.3	53.7	53.1	52.4	51.2	49.4	47.7	45.9	44.1	88.0
107.5°	56.6	55.9	55.3	54.7	54.0	54.6	56.4	58.1	60.0	61.8	114.4
110°	57.2	56.5	55.8	55.2	54.6	62.3	78.3	94.4	110.5	126.6	173.1



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**CANDELA DISTRIBUTION (continued):**

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	57.8	57.2	56.7	56.2	55.7	84.8	143.4	202.1	260.7	319.3	330.8
115°	59.3	70.9	82.5	94.0	105.6	148.6	223.1	297.5	371.9	446.4	442.4
117.5°	242.2	280.3	318.3	356.3	394.3	422.4	440.5	458.4	476.4	494.4	491.7
120°	441.3	463.0	484.7	506.4	528.1	538.1	536.1	534.2	532.3	530.3	527.4
122.5°	550.7	554.9	559.1	563.4	567.6	569.1	567.9	566.8	565.6	564.5	561.3
125°	618.6	618.1	617.6	617.1	616.6	615.8	614.7	613.6	612.5	611.3	608.3
127.5°	661.4	661.3	661.2	661.2	661.0	660.2	658.5	656.9	655.2	653.6	651.3
130°	688.0	688.2	688.3	688.6	688.7	687.9	686.1	684.4	682.5	680.8	679.1
132.5°	714.1	714.2	714.4	714.5	714.7	714.1	712.6	711.1	709.6	708.0	706.2
135°	751.7	752.0	752.3	752.7	753.0	752.3	750.8	749.2	747.5	745.9	744.5
137.5°	786.0	786.6	787.1	787.7	788.2	787.7	786.1	784.5	782.9	781.4	779.7
140°	807.4	808.3	809.1	809.8	810.6	810.3	808.9	807.4	806.0	804.5	802.8
142.5°	828.2	829.1	829.9	830.7	831.5	831.2	829.9	828.5	827.3	825.9	823.9
145°	857.4	858.2	859.0	859.8	860.5	860.4	859.3	858.2	857.0	855.9	853.2
147.5°	883.0	883.6	884.3	884.9	885.7	885.6	884.7	883.9	883.0	882.3	879.6
150°	898.6	899.4	900.2	901.0	901.8	901.7	900.8	899.8	898.8	897.9	895.3
152.5°	911.9	913.0	914.0	915.0	916.2	916.2	915.2	914.3	913.3	912.4	909.9
155°	930.4	931.7	933.0	934.3	935.6	935.7	934.8	933.8	932.8	931.8	929.9
157.5°	947.4	948.6	949.8	951.1	952.4	952.4	951.3	950.2	949.2	948.1	946.7
160°	957.2	958.3	959.4	960.5	961.7	961.8	960.8	959.8	958.9	957.9	957.0
162.5°	965.3	966.7	968.0	969.5	970.8	971.0	969.9	968.8	967.7	966.6	965.7
165°	977.5	978.6	979.7	980.8	981.9	981.9	980.8	979.7	978.6	977.5	977.0
167.5°	985.1	986.6	988.0	989.4	990.9	991.1	989.9	988.8	987.7	986.6	986.1
170°	989.8	991.2	992.6	994.1	995.5	995.7	994.6	993.5	992.3	991.2	990.9
172.5°	993.2	994.7	996.1	997.5	999.0	999.2	998.1	996.9	995.8	994.7	994.3
175°	996.2	997.8	999.5	1001.1	1002.7	1002.9	1001.8	1000.7	999.6	998.4	998.1
177.5°	998.1	999.3	1000.4	1001.6	1002.7	1002.9	1002.0	1001.1	1000.2	999.3	999.2
180°	999.9	999.9	999.9	999.9	999.9	999.9	999.9	999.9	999.9	999.9	999.9



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**CANDELA DISTRIBUTION (continued):**

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	851.4	851.4	851.4	851.4	851.4	851.4	851.4	851.4	851.4	851.4	851.4
2.5°	871.7	869.9	868.2	864.0	861.8	857.1	856.3	856.1	850.0	844.1	842.4
5°	901.7	897.0	889.9	881.5	873.0	864.1	858.2	853.5	841.6	830.4	823.9
7.5°	931.8	921.7	909.4	893.7	880.7	866.0	855.2	845.3	828.5	812.5	801.6
10°	954.3	937.8	921.5	899.9	883.0	866.5	851.1	837.8	818.9	797.6	782.4
12.5°	968.3	950.1	927.6	906.6	884.7	863.6	843.0	825.9	803.7	781.7	763.7
15°	987.2	967.7	940.5	910.3	882.2	854.7	831.0	809.7	780.7	754.4	732.5
17.5°	1002.7	975.7	946.5	911.6	879.1	844.1	813.7	786.4	754.2	722.4	696.6
20°	1007.6	981.0	947.2	912.4	873.9	832.7	799.9	770.3	735.7	701.1	671.5
22.5°	1004.5	983.8	946.3	904.5	865.1	822.1	785.1	750.7	712.3	677.0	642.7
25°	983.7	976.5	941.0	895.5	850.5	800.5	757.6	720.0	676.3	638.4	601.1
27.5°	934.9	950.3	928.3	879.7	829.7	776.1	727.9	685.2	639.7	597.1	559.9
30°	888.1	923.3	913.8	868.9	812.9	760.3	706.2	661.5	613.0	569.2	532.5
32.5°	823.9	882.1	891.4	853.7	795.9	738.0	681.3	636.8	586.2	540.0	504.3
35°	721.8	808.8	848.7	824.7	766.8	704.4	645.8	594.1	543.1	497.6	462.1
37.5°	600.0	718.4	785.1	786.7	733.5	668.6	604.8	553.4	501.3	456.6	418.2
40°	520.9	649.4	736.0	755.3	710.3	640.2	575.7	523.3	472.5	428.6	384.6
42.5°	450.0	577.9	684.4	717.9	682.1	612.5	547.8	493.1	443.5	402.1	357.1
45°	363.8	475.7	593.1	652.9	633.1	568.5	500.3	448.2	401.7	365.9	322.7
47.5°	307.0	385.8	499.4	580.3	579.9	521.0	453.8	403.9	360.8	327.3	292.3
50°	274.5	343.2	439.3	531.0	538.7	489.3	425.4	376.0	335.8	300.6	272.4
52.5°	245.4	302.0	388.4	476.3	498.2	455.4	393.5	347.8	308.8	276.4	252.3
55°	207.4	251.1	316.9	399.1	432.2	402.0	347.0	304.4	272.7	245.6	224.8
57.5°	175.4	208.3	260.9	327.2	365.8	346.7	301.4	266.8	239.7	215.1	198.8
60°	155.3	182.2	226.9	282.3	324.8	311.5	272.7	240.5	217.5	196.1	180.8
62.5°	136.4	159.5	197.8	242.7	281.8	276.2	244.6	217.5	197.3	177.9	164.9
65°	109.7	126.6	156.5	191.7	223.1	225.7	203.0	184.6	166.5	151.1	139.7
67.5°	87.4	98.4	119.5	149.1	172.6	181.0	167.1	153.0	138.7	126.8	116.8
70°	73.7	82.5	97.9	121.9	143.5	152.3	144.3	133.4	121.0	111.2	102.7
72.5°	59.7	68.4	79.7	97.3	115.8	125.4	122.6	114.7	104.6	96.6	88.5
75°	45.0	47.6	55.3	67.2	81.7	89.9	92.0	87.9	79.9	73.7	68.9
77.5°	33.3	34.9	38.5	44.8	54.2	61.6	64.6	64.2	58.6	55.1	50.6
80°	26.6	27.5	29.3	31.9	39.1	46.4	48.5	48.5	44.7	43.2	38.7
82.5°	20.2	20.9	21.9	23.4	26.8	33.2	35.5	36.0	33.5	31.6	28.1
85°	11.6	11.2	11.8	12.8	13.3	15.1	18.6	19.3	18.6	16.2	15.4
87.5°	6.4	6.4	6.1	5.5	5.5	5.4	6.2	7.0	6.4	6.0	5.9
90°	11.9	10.6	9.3	7.8	6.0	4.3	2.5	0.7	2.5	4.3	6.0
92.5°	15.5	14.9	14.2	13.9	14.1	14.3	14.4	14.6	14.4	14.3	14.1
95°	26.0	24.9	23.7	25.8	31.1	36.4	41.7	47.1	41.7	36.4	31.1
97.5°	32.6	29.9	27.3	33.5	48.5	63.5	78.3	93.3	78.3	63.5	48.5
100°	35.8	33.0	30.3	39.9	61.9	84.0	106.0	128.1	106.0	84.0	61.9
102.5°	88.1	111.0	133.9	147.6	152.3	156.9	161.6	166.3	161.6	156.9	152.3
105°	131.9	175.8	219.7	239.2	234.4	229.6	224.7	219.9	224.7	229.6	234.4
107.5°	167.1	219.7	272.4	296.8	292.8	288.9	285.0	281.1	285.0	288.9	292.8
110°	219.5	266.0	312.4	334.0	330.7	327.3	323.9	320.5	323.9	327.3	330.7





TEST NUMBER: P331663-927

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**CANDELA DISTRIBUTION (continued):**

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	342.3	353.8	365.3	369.5	366.5	363.5	360.5	357.5	360.5	363.5	366.5
115°	438.4	434.4	430.3	426.9	424.2	421.4	418.7	416.0	418.7	421.4	424.2
117.5°	488.9	486.2	483.4	480.5	477.4	474.4	471.3	468.3	471.3	474.4	477.4
120°	524.5	521.7	518.7	516.1	513.7	511.3	508.8	506.4	508.8	511.3	513.7
122.5°	558.2	555.0	551.8	549.0	546.4	543.9	541.4	538.8	541.4	543.9	546.4
125°	605.2	602.2	599.1	596.6	594.5	592.4	590.3	588.2	590.3	592.4	594.5
127.5°	649.0	646.7	644.4	642.1	639.8	637.5	635.3	632.9	635.3	637.5	639.8
130°	677.2	675.5	673.8	671.5	669.0	666.4	663.8	661.3	663.8	666.4	669.0
132.5°	704.5	702.7	700.9	698.9	696.8	694.6	692.4	690.2	692.4	694.6	696.8
135°	743.1	741.6	740.1	738.2	735.5	733.0	730.4	727.9	730.4	733.0	735.5
137.5°	778.1	776.4	774.8	773.1	771.3	769.5	767.7	765.9	767.7	769.5	771.3
140°	801.0	799.2	797.5	795.9	794.6	793.4	792.1	790.8	792.1	793.4	794.6
142.5°	821.9	819.8	817.8	816.3	815.1	814.0	812.8	811.6	812.8	814.0	815.1
145°	850.4	847.7	844.9	843.7	843.8	844.0	844.1	844.3	844.1	844.0	843.8
147.5°	876.9	874.1	871.4	870.4	871.0	871.6	872.2	872.8	872.2	871.6	871.0
150°	892.7	890.2	887.6	886.8	888.0	889.1	890.3	891.4	890.3	889.1	888.0
152.5°	907.4	905.0	902.5	902.0	903.2	904.4	905.7	907.0	905.7	904.4	903.2
155°	928.0	926.1	924.2	923.9	925.3	926.8	928.3	929.7	928.3	926.8	925.3
157.5°	945.4	944.0	942.7	942.6	943.8	945.1	946.3	947.5	946.3	945.1	943.8
160°	956.0	955.0	954.0	954.0	955.0	956.0	957.0	957.9	957.0	956.0	955.0
162.5°	964.9	964.1	963.2	963.3	964.2	965.3	966.2	967.2	966.2	965.3	964.2
165°	976.4	976.0	975.5	975.7	976.7	977.7	978.7	979.6	978.7	977.7	976.7
167.5°	985.6	985.2	984.8	985.0	986.0	987.0	987.9	988.9	987.9	987.0	986.0
170°	990.5	990.2	989.9	990.2	991.2	992.1	993.1	994.1	993.1	992.1	991.2
172.5°	994.0	993.7	993.4	993.7	994.7	995.6	996.6	997.5	996.6	995.6	994.7
175°	997.8	997.4	997.1	997.5	998.6	999.8	1000.9	1002.0	1000.9	999.8	998.6
177.5°	999.0	998.9	998.8	999.2	1000.1	1001.0	1001.9	1002.7	1001.9	1001.0	1000.1
180°	999.9	999.9	999.9	999.9	999.9	999.9	999.9	999.9	999.9	999.9	999.9



TEST NUMBER: P331663-927

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**CANDELA DISTRIBUTION (continued):**

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	851.4	851.4	851.4	851.4	851.4	851.4	851.4	851.4	851.4	851.4	851.4
2.5°	839.3	837.7	834.6	829.9	827.0	822.0	818.7	820.6	821.1	820.6	820.1
5°	816.8	810.6	802.0	793.7	786.0	777.8	773.0	771.0	766.8	764.5	763.3
7.5°	789.5	778.8	766.7	752.3	740.0	727.1	720.6	717.3	708.8	704.3	700.2
10°	769.1	752.3	740.1	721.2	709.7	692.8	681.3	681.6	670.0	663.5	658.8
12.5°	746.7	728.2	708.0	690.9	674.9	661.4	647.5	641.8	629.5	623.3	610.5
15°	709.4	687.8	666.5	643.4	627.2	606.2	586.1	561.5	541.7	524.5	519.8
17.5°	668.7	642.0	620.6	593.5	565.6	530.3	507.0	492.7	480.8	471.7	465.0
20°	640.8	613.5	590.8	549.9	512.4	488.4	471.3	460.3	447.9	438.2	432.8
22.5°	611.4	583.0	552.0	506.4	477.1	457.9	442.6	430.0	421.6	414.0	409.2
25°	569.7	538.7	487.5	456.1	432.5	412.4	401.7	394.0	385.2	374.8	370.1
27.5°	525.8	476.3	439.6	416.3	393.7	380.6	371.1	359.6	351.6	347.0	342.1
30°	492.8	443.5	414.8	389.3	373.4	358.9	347.6	341.1	333.4	325.4	322.2
32.5°	456.1	416.7	389.2	368.0	351.8	339.5	330.6	320.0	314.5	309.6	302.8
35°	410.6	380.7	355.6	338.4	323.1	313.0	302.6	296.4	286.4	282.3	279.6
37.5°	372.0	346.1	327.3	309.3	297.1	286.0	279.6	269.7	265.4	259.6	254.0
40°	350.2	324.8	306.8	292.0	278.4	270.1	262.1	254.1	247.6	244.9	238.1
42.5°	328.0	307.3	289.2	273.1	264.0	255.2	245.1	239.2	232.4	228.1	223.9
45°	297.3	279.0	263.6	250.3	240.2	231.1	224.5	214.8	211.0	202.3	198.8
47.5°	270.3	253.3	238.6	225.9	216.1	210.2	200.7	193.0	186.9	181.6	177.1
50°	251.1	236.9	222.8	211.5	202.6	194.1	184.3	180.5	171.0	168.3	165.6
52.5°	233.6	220.1	207.2	196.1	187.3	179.0	170.3	165.3	158.9	156.2	154.3
55°	209.1	196.1	183.7	174.0	165.1	156.5	151.1	145.0	142.0	139.9	137.5
57.5°	184.5	172.9	163.3	153.4	144.5	137.7	131.5	127.8	124.7	122.0	119.1
60°	168.9	157.6	149.1	139.9	130.8	125.2	120.4	116.0	112.4	108.3	107.1
62.5°	152.3	142.5	134.7	125.7	117.7	112.6	108.1	103.9	99.7	93.6	92.0
65°	129.6	121.9	113.6	106.2	99.1	94.1	87.5	82.9	81.0	80.5	80.2
67.5°	109.0	101.7	94.6	87.1	80.6	75.9	72.6	71.9	70.7	70.3	69.5
70°	95.2	88.5	81.4	74.2	68.0	67.2	66.0	64.8	63.3	62.7	62.1
72.5°	82.9	75.9	68.8	63.1	60.4	59.3	58.1	57.0	56.0	55.4	55.1
75°	63.6	57.1	52.4	50.3	48.8	47.9	46.2	45.2	44.7	43.8	43.5
77.5°	45.8	42.1	39.9	38.7	37.1	36.1	35.2	34.2	33.6	33.4	33.0
80°	34.9	33.1	31.7	29.9	29.3	28.1	27.8	26.9	27.3	26.3	26.3
82.5°	27.1	24.9	23.6	22.8	22.2	21.2	20.9	20.5	20.6	20.0	20.0
85°	13.9	13.3	12.8	12.1	12.1	11.2	11.6	11.2	11.2	10.6	10.4
87.5°	6.0	6.1	5.9	6.2	6.4	6.4	6.6	6.5	6.7	6.8	6.7
90°	7.8	9.3	10.6	11.9	13.2	14.5	15.3	16.1	16.9	17.7	18.2
92.5°	13.9	14.2	14.9	15.5	16.2	16.8	17.2	17.6	18.1	18.5	18.8
95°	25.8	23.7	24.9	26.0	27.1	28.2	29.0	29.8	30.7	31.4	31.8
97.5°	33.5	27.3	29.9	32.6	35.2	37.8	38.4	39.1	39.7	40.3	40.7
100°	39.9	30.3	33.0	35.8	38.5	41.3	42.5	43.8	45.1	46.4	47.2
102.5°	147.6	133.9	111.0	88.1	65.3	42.4	44.0	45.7	47.5	49.1	50.1
105°	239.2	219.7	175.8	131.9	88.0	44.1	45.9	47.7	49.4	51.2	52.4
107.5°	296.8	272.4	219.7	167.1	114.4	61.8	60.0	58.1	56.4	54.6	54.0
110°	334.0	312.4	266.0	219.5	173.1	126.6	110.5	94.4	78.3	62.3	54.6



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**CANDELA DISTRIBUTION (continued):**

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	369.5	365.3	353.8	342.3	330.8	319.3	260.7	202.1	143.4	84.8	55.7
115°	426.9	430.3	434.4	438.4	442.4	446.4	371.9	297.5	223.1	148.6	105.6
117.5°	480.5	483.4	486.2	488.9	491.7	494.4	476.4	458.4	440.5	422.4	394.3
120°	516.1	518.7	521.7	524.5	527.4	530.3	532.3	534.2	536.1	538.1	528.1
122.5°	549.0	551.8	555.0	558.2	561.3	564.5	565.6	566.8	567.9	569.1	567.6
125°	596.6	599.1	602.2	605.2	608.3	611.3	612.5	613.6	614.7	615.8	616.6
127.5°	642.1	644.4	646.7	649.0	651.3	653.6	655.2	656.9	658.5	660.2	661.0
130°	671.5	673.8	675.5	677.2	679.1	680.8	682.5	684.4	686.1	687.9	688.7
132.5°	698.9	700.9	702.7	704.5	706.2	708.0	709.6	711.1	712.6	714.1	714.7
135°	738.2	740.1	741.6	743.1	744.5	745.9	747.5	749.2	750.8	752.3	753.0
137.5°	773.1	774.8	776.4	778.1	779.7	781.4	782.9	784.5	786.1	787.7	788.2
140°	795.9	797.5	799.2	801.0	802.8	804.5	806.0	807.4	808.9	810.3	810.6
142.5°	816.3	817.8	819.8	821.9	823.9	825.9	827.3	828.5	829.9	831.2	831.5
145°	843.7	844.9	847.7	850.4	853.2	855.9	857.0	858.2	859.3	860.4	860.5
147.5°	870.4	871.4	874.1	876.9	879.6	882.3	883.0	883.9	884.7	885.6	885.7
150°	886.8	887.6	890.2	892.7	895.3	897.9	898.8	899.8	900.8	901.7	901.8
152.5°	902.0	902.5	905.0	907.4	909.9	912.4	913.3	914.3	915.2	916.2	916.2
155°	923.9	924.2	926.1	928.0	929.9	931.8	932.8	933.8	934.8	935.7	935.6
157.5°	942.6	942.7	944.0	945.4	946.7	948.1	949.2	950.2	951.3	952.4	952.4
160°	954.0	954.0	955.0	956.0	957.0	957.9	958.9	959.8	960.8	961.8	961.7
162.5°	963.3	963.2	964.1	964.9	965.7	966.6	967.7	968.8	969.9	971.0	970.8
165°	975.7	975.5	976.0	976.4	977.0	977.5	978.6	979.7	980.8	981.9	981.9
167.5°	985.0	984.8	985.2	985.6	986.1	986.6	987.7	988.8	989.9	991.1	990.9
170°	990.2	989.9	990.2	990.5	990.9	991.2	992.3	993.5	994.6	995.7	995.5
172.5°	993.7	993.4	993.7	994.0	994.3	994.7	995.8	996.9	998.1	999.2	999.0
175°	997.5	997.1	997.4	997.8	998.1	998.4	999.6	1000.7	1001.8	1002.9	1002.7
177.5°	999.2	998.8	998.9	999.0	999.2	999.3	1000.2	1001.1	1002.0	1002.9	1002.7
180°	999.9	999.9	999.9	999.9	999.9	999.9	999.9	999.9	999.9	999.9	999.9



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**CANDELA DISTRIBUTION (continued):**

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	851.4	851.4	851.4	851.4	851.4	851.4	851.4	851.4	851.4	851.4	851.4
2.5°	817.5	818.0	817.3	817.8	817.3	818.0	817.5	820.1	820.6	821.1	820.6
5°	761.8	758.2	757.6	756.8	757.6	758.2	761.8	763.3	764.5	766.8	771.0
7.5°	695.1	694.6	693.2	691.0	693.2	694.6	695.1	700.2	704.3	708.8	717.3
10°	652.3	650.9	650.5	648.5	650.5	650.9	652.3	658.8	663.5	670.0	681.6
12.5°	602.1	592.6	591.6	586.5	591.6	592.6	602.1	610.5	623.3	629.5	641.8
15°	512.7	510.9	505.0	501.1	505.0	510.9	512.7	519.8	524.5	541.7	561.5
17.5°	461.5	455.7	453.9	453.1	453.9	455.7	461.5	465.0	471.7	480.8	492.7
20°	428.6	423.3	422.5	421.8	422.5	423.3	428.6	432.8	438.2	447.9	460.3
22.5°	405.9	400.4	398.1	396.3	398.1	400.4	405.9	409.2	414.0	421.6	430.0
25°	367.1	365.0	363.8	363.3	363.8	365.0	367.1	370.1	374.8	385.2	394.0
27.5°	336.8	332.2	331.3	329.8	331.3	332.2	336.8	342.1	347.0	351.6	359.6
30°	319.5	318.0	315.9	314.2	315.9	318.0	319.5	322.2	325.4	333.4	341.1
32.5°	299.1	297.9	296.0	295.2	296.0	297.9	299.1	302.8	309.6	314.5	320.0
35°	276.6	272.4	270.7	268.0	270.7	272.4	276.6	279.6	282.3	286.4	296.4
37.5°	252.8	250.6	248.1	249.0	248.1	250.6	252.8	254.0	259.6	265.4	269.7
40°	234.3	232.8	232.2	232.0	232.2	232.8	234.3	238.1	244.9	247.6	254.1
42.5°	219.6	215.6	214.0	214.0	214.0	215.6	219.6	223.9	228.1	232.4	239.2
45°	197.3	193.5	190.8	191.1	190.8	193.5	197.3	198.8	202.3	211.0	214.8
47.5°	174.5	174.4	172.7	173.3	172.7	174.4	174.5	177.1	181.6	186.9	193.0
50°	163.6	161.8	160.7	160.9	160.7	161.8	163.6	165.6	168.3	171.0	180.5
52.5°	153.2	151.6	150.7	151.9	150.7	151.6	153.2	154.3	156.2	158.9	165.3
55°	136.1	134.3	134.0	133.7	134.0	134.3	136.1	137.5	139.9	142.0	145.0
57.5°	117.0	115.8	114.0	113.3	114.0	115.8	117.0	119.1	122.0	124.7	127.8
60°	103.2	100.8	97.9	97.6	97.9	100.8	103.2	107.1	108.3	112.4	116.0
62.5°	90.7	90.2	89.7	89.6	89.7	90.2	90.7	92.0	93.6	99.7	103.9
65°	79.6	79.3	79.6	79.9	79.6	79.3	79.6	80.2	80.5	81.0	82.9
67.5°	69.3	68.8	68.3	68.5	68.3	68.8	69.3	69.5	70.3	70.7	71.9
70°	61.6	61.2	60.9	60.9	60.9	61.2	61.6	62.1	62.7	63.3	64.8
72.5°	53.9	53.9	53.6	53.4	53.6	53.9	53.9	55.1	55.4	56.0	57.0
75°	43.2	42.6	42.6	42.6	42.6	42.6	43.2	43.5	43.8	44.7	45.2
77.5°	32.9	32.6	32.3	32.1	32.3	32.6	32.9	33.0	33.4	33.6	34.2
80°	26.1	25.7	25.4	25.4	25.4	25.7	26.1	26.3	26.3	27.3	26.9
82.5°	19.9	19.6	19.5	19.3	19.5	19.6	19.9	20.0	20.0	20.6	20.5
85°	10.6	10.9	10.6	11.2	10.6	10.9	10.6	10.4	10.6	11.2	11.2
87.5°	6.8	6.7	6.9	6.7	6.9	6.7	6.8	6.7	6.8	6.7	6.5
90°	18.5	18.9	19.3	19.6	19.3	18.9	18.5	18.2	17.7	16.9	16.1
92.5°	18.9	19.2	19.3	19.6	19.3	19.2	18.9	18.8	18.5	18.1	17.6
95°	31.6	31.4	31.3	31.1	31.3	31.4	31.6	31.8	31.4	30.7	29.8
97.5°	41.0	41.1	41.4	41.5	41.4	41.1	41.0	40.7	40.3	39.7	39.1
100°	47.5	47.8	48.2	48.5	48.2	47.8	47.5	47.2	46.4	45.1	43.8
102.5°	50.6	51.0	51.5	52.0	51.5	51.0	50.6	50.1	49.1	47.5	45.7
105°	53.1	53.7	54.3	55.0	54.3	53.7	53.1	52.4	51.2	49.4	47.7
107.5°	54.7	55.3	55.9	56.6	55.9	55.3	54.7	54.0	54.6	56.4	58.1
110°	55.2	55.8	56.5	57.2	56.5	55.8	55.2	54.6	62.3	78.3	94.4



TEST NUMBER: P331663-927

CATALOG NUMBER: SA2XXRDIP-C485D925U927-4F0-1E-UDD-A

**CANDELA DISTRIBUTION (continued):**

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	56.2	56.7	57.2	57.8	57.2	56.7	56.2	55.7	84.8	143.4	202.1
115°	94.0	82.5	70.9	59.3	70.9	82.5	94.0	105.6	148.6	223.1	297.5
117.5°	356.3	318.3	280.3	242.2	280.3	318.3	356.3	394.3	422.4	440.5	458.4
120°	506.4	484.7	463.0	441.3	463.0	484.7	506.4	528.1	538.1	536.1	534.2
122.5°	563.4	559.1	554.9	550.7	554.9	559.1	563.4	567.6	569.1	567.9	566.8
125°	617.1	617.6	618.1	618.6	618.1	617.6	617.1	616.6	615.8	614.7	613.6
127.5°	661.2	661.2	661.3	661.4	661.3	661.2	661.2	661.0	660.2	658.5	656.9
130°	688.6	688.3	688.2	688.0	688.2	688.3	688.6	688.7	687.9	686.1	684.4
132.5°	714.5	714.4	714.2	714.1	714.2	714.4	714.5	714.7	714.1	712.6	711.1
135°	752.7	752.3	752.0	751.7	752.0	752.3	752.7	753.0	752.3	750.8	749.2
137.5°	787.7	787.1	786.6	786.0	786.6	787.1	787.7	788.2	787.7	786.1	784.5
140°	809.8	809.1	808.3	807.4	808.3	809.1	809.8	810.6	810.3	808.9	807.4
142.5°	830.7	829.9	829.1	828.2	829.1	829.9	830.7	831.5	831.2	829.9	828.5
145°	859.8	859.0	858.2	857.4	858.2	859.0	859.8	860.5	860.4	859.3	858.2
147.5°	884.9	884.3	883.6	883.0	883.6	884.3	884.9	885.7	885.6	884.7	883.9
150°	901.0	900.2	899.4	898.6	899.4	900.2	901.0	901.8	901.7	900.8	899.8
152.5°	915.0	914.0	913.0	911.9	913.0	914.0	915.0	916.2	916.2	915.2	914.3
155°	934.3	933.0	931.7	930.4	931.7	933.0	934.3	935.6	935.7	934.8	933.8
157.5°	951.1	949.8	948.6	947.4	948.6	949.8	951.1	952.4	952.4	951.3	950.2
160°	960.5	959.4	958.3	957.2	958.3	959.4	960.5	961.7	961.8	960.8	959.8
162.5°	969.5	968.0	966.7	965.3	966.7	968.0	969.5	970.8	971.0	969.9	968.8
165°	980.8	979.7	978.6	977.5	978.6	979.7	980.8	981.9	981.9	980.8	979.7
167.5°	989.4	988.0	986.6	985.1	986.6	988.0	989.4	990.9	991.1	989.9	988.8
170°	994.1	992.6	991.2	989.8	991.2	992.6	994.1	995.5	995.7	994.6	993.5
172.5°	997.5	996.1	994.7	993.2	994.7	996.1	997.5	999.0	999.2	998.1	996.9
175°	1001.1	999.5	997.8	996.2	997.8	999.5	1001.1	1002.7	1002.9	1001.8	1000.7
177.5°	1001.6	1000.4	999.3	998.1	999.3	1000.4	1001.6	1002.7	1002.9	1002.0	1001.1
180°	999.9	999.9	999.9	999.9	999.9	999.9	999.9	999.9	999.9	999.9	999.9



TEST NUMBER: P331663-927

CATALOG NUMBER: SA2XXRDIP-C485D925U927-4F0-1E-UDD-A

**CANDELA DISTRIBUTION (continued):**

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	851.4	851.4	851.4	851.4	851.4	851.4	851.4	851.4	851.4	851.4	851.4
2.5°	818.7	822.0	827.0	829.9	834.6	837.7	839.3	842.4	844.1	850.0	856.1
5°	773.0	777.8	786.0	793.7	802.0	810.6	816.8	823.9	830.4	841.6	853.5
7.5°	720.6	727.1	740.0	752.3	766.7	778.8	789.5	801.6	812.5	828.5	845.3
10°	681.3	692.8	709.7	721.2	740.1	752.3	769.1	782.4	797.6	818.9	837.8
12.5°	647.5	661.4	674.9	690.9	708.0	728.2	746.7	763.7	781.7	803.7	825.9
15°	586.1	606.2	627.2	643.4	666.5	687.8	709.4	732.5	754.4	780.7	809.7
17.5°	507.0	530.3	565.6	593.5	620.6	642.0	668.7	696.6	722.4	754.2	786.4
20°	471.3	488.4	512.4	549.9	590.8	613.5	640.8	671.5	701.1	735.7	770.3
22.5°	442.6	457.9	477.1	506.4	552.0	583.0	611.4	642.7	677.0	712.3	750.7
25°	401.7	412.4	432.5	456.1	487.5	538.7	569.7	601.1	638.4	676.3	720.0
27.5°	371.1	380.6	393.7	416.3	439.6	476.3	525.8	559.9	597.1	639.7	685.2
30°	347.6	358.9	373.4	389.3	414.8	443.5	492.8	532.5	569.2	613.0	661.5
32.5°	330.6	339.5	351.8	368.0	389.2	416.7	456.1	504.3	540.0	586.2	636.8
35°	302.6	313.0	323.1	338.4	355.6	380.7	410.6	462.1	497.6	543.1	594.1
37.5°	279.6	286.0	297.1	309.3	327.3	346.1	372.0	418.2	456.6	501.3	553.4
40°	262.1	270.1	278.4	292.0	306.8	324.8	350.2	384.6	428.6	472.5	523.3
42.5°	245.1	255.2	264.0	273.1	289.2	307.3	328.0	357.1	402.1	443.5	493.1
45°	224.5	231.1	240.2	250.3	263.6	279.0	297.3	322.7	365.9	401.7	448.2
47.5°	200.7	210.2	216.1	225.9	238.6	253.3	270.3	292.3	327.3	360.8	403.9
50°	184.3	194.1	202.6	211.5	222.8	236.9	251.1	272.4	300.6	335.8	376.0
52.5°	170.3	179.0	187.3	196.1	207.2	220.1	233.6	252.3	276.4	308.8	347.8
55°	151.1	156.5	165.1	174.0	183.7	196.1	209.1	224.8	245.6	272.7	304.4
57.5°	131.5	137.7	144.5	153.4	163.3	172.9	184.5	198.8	215.1	239.7	266.8
60°	120.4	125.2	130.8	139.9	149.1	157.6	168.9	180.8	196.1	217.5	240.5
62.5°	108.1	112.6	117.7	125.7	134.7	142.5	152.3	164.9	177.9	197.3	217.5
65°	87.5	94.1	99.1	106.2	113.6	121.9	129.6	139.7	151.1	166.5	184.6
67.5°	72.6	75.9	80.6	87.1	94.6	101.7	109.0	116.8	126.8	138.7	153.0
70°	66.0	67.2	68.0	74.2	81.4	88.5	95.2	102.7	111.2	121.0	133.4
72.5°	58.1	59.3	60.4	63.1	68.8	75.9	82.9	88.5	96.6	104.6	114.7
75°	46.2	47.9	48.8	50.3	52.4	57.1	63.6	68.9	73.7	79.9	87.9
77.5°	35.2	36.1	37.1	38.7	39.9	42.1	45.8	50.6	55.1	58.6	64.2
80°	27.8	28.1	29.3	29.9	31.7	33.1	34.9	38.7	43.2	44.7	48.5
82.5°	20.9	21.2	22.2	22.8	23.6	24.9	27.1	28.1	31.6	33.5	36.0
85°	11.6	11.2	12.1	12.1	12.8	13.3	13.9	15.4	16.2	18.6	19.3
87.5°	6.6	6.4	6.4	6.2	5.9	6.1	6.0	5.9	6.0	6.4	7.0
90°	15.3	14.5	13.2	11.9	10.6	9.3	7.8	6.0	4.3	2.5	0.7
92.5°	17.2	16.8	16.2	15.5	14.9	14.2	13.9	14.1	14.3	14.4	14.6
95°	29.0	28.2	27.1	26.0	24.9	23.7	25.8	31.1	36.4	41.7	47.1
97.5°	38.4	37.8	35.2	32.6	29.9	27.3	33.5	48.5	63.5	78.3	93.3
100°	42.5	41.3	38.5	35.8	33.0	30.3	39.9	61.9	84.0	106.0	128.1
102.5°	44.0	42.4	65.3	88.1	111.0	133.9	147.6	152.3	156.9	161.6	166.3
105°	45.9	44.1	88.0	131.9	175.8	219.7	239.2	234.4	229.6	224.7	219.9
107.5°	60.0	61.8	114.4	167.1	219.7	272.4	296.8	292.8	288.9	285.0	281.1
110°	110.5	126.6	173.1	219.5	266.0	312.4	334.0	330.7	327.3	323.9	320.5



TEST NUMBER: P331663-927

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**CANDELA DISTRIBUTION (continued):**

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	260.7	319.3	330.8	342.3	353.8	365.3	369.5	366.5	363.5	360.5	357.5
115°	371.9	446.4	442.4	438.4	434.4	430.3	426.9	424.2	421.4	418.7	416.0
117.5°	476.4	494.4	491.7	488.9	486.2	483.4	480.5	477.4	474.4	471.3	468.3
120°	532.3	530.3	527.4	524.5	521.7	518.7	516.1	513.7	511.3	508.8	506.4
122.5°	565.6	564.5	561.3	558.2	555.0	551.8	549.0	546.4	543.9	541.4	538.8
125°	612.5	611.3	608.3	605.2	602.2	599.1	596.6	594.5	592.4	590.3	588.2
127.5°	655.2	653.6	651.3	649.0	646.7	644.4	642.1	639.8	637.5	635.3	632.9
130°	682.5	680.8	679.1	677.2	675.5	673.8	671.5	669.0	666.4	663.8	661.3
132.5°	709.6	708.0	706.2	704.5	702.7	700.9	698.9	696.8	694.6	692.4	690.2
135°	747.5	745.9	744.5	743.1	741.6	740.1	738.2	735.5	733.0	730.4	727.9
137.5°	782.9	781.4	779.7	778.1	776.4	774.8	773.1	771.3	769.5	767.7	765.9
140°	806.0	804.5	802.8	801.0	799.2	797.5	795.9	794.6	793.4	792.1	790.8
142.5°	827.3	825.9	823.9	821.9	819.8	817.8	816.3	815.1	814.0	812.8	811.6
145°	857.0	855.9	853.2	850.4	847.7	844.9	843.7	843.8	844.0	844.1	844.3
147.5°	883.0	882.3	879.6	876.9	874.1	871.4	870.4	871.0	871.6	872.2	872.8
150°	898.8	897.9	895.3	892.7	890.2	887.6	886.8	888.0	889.1	890.3	891.4
152.5°	913.3	912.4	909.9	907.4	905.0	902.5	902.0	903.2	904.4	905.7	907.0
155°	932.8	931.8	929.9	928.0	926.1	924.2	923.9	925.3	926.8	928.3	929.7
157.5°	949.2	948.1	946.7	945.4	944.0	942.7	942.6	943.8	945.1	946.3	947.5
160°	958.9	957.9	957.0	956.0	955.0	954.0	954.0	955.0	956.0	957.0	957.9
162.5°	967.7	966.6	965.7	964.9	964.1	963.2	963.3	964.2	965.3	966.2	967.2
165°	978.6	977.5	977.0	976.4	976.0	975.5	975.7	976.7	977.7	978.7	979.6
167.5°	987.7	986.6	986.1	985.6	985.2	984.8	985.0	986.0	987.0	987.9	988.9
170°	992.3	991.2	990.9	990.5	990.2	989.9	990.2	991.2	992.1	993.1	994.1
172.5°	995.8	994.7	994.3	994.0	993.7	993.4	993.7	994.7	995.6	996.6	997.5
175°	999.6	998.4	998.1	997.8	997.4	997.1	997.5	998.6	999.8	1000.9	1002.0
177.5°	1000.2	999.3	999.2	999.0	998.9	998.8	999.2	1000.1	1001.0	1001.9	1002.7
180°	999.9	999.9	999.9	999.9	999.9	999.9	999.9	999.9	999.9	999.9	999.9



TEST NUMBER: P331663-927

CATALOG NUMBER: SA2XXRDIP-C485D925U927-4F0-1E-UDD-A

**CANDELA DISTRIBUTION (continued):**

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	851.4	851.4	851.4	851.4	851.4	851.4	851.4	851.4	851.4	851.4	851.4
2.5°	856.3	857.1	861.8	864.0	868.2	869.9	871.7	871.2	871.2	872.2	878.8
5°	858.2	864.1	873.0	881.5	889.9	897.0	901.7	906.4	908.2	916.8	924.5
7.5°	855.2	866.0	880.7	893.7	909.4	921.7	931.8	941.0	947.3	959.8	972.6
10°	851.1	866.5	883.0	899.9	921.5	937.8	954.3	967.1	971.2	989.8	1000.5
12.5°	843.0	863.6	884.7	906.6	927.6	950.1	968.3	981.0	995.6	1012.3	1032.0
15°	831.0	854.7	882.2	910.3	940.5	967.7	987.2	1009.4	1025.3	1043.7	1060.8
17.5°	813.7	844.1	879.1	911.6	946.5	975.7	1002.7	1023.9	1035.1	1045.6	1048.2
20°	799.9	832.7	873.9	912.4	947.2	981.0	1007.6	1025.3	1028.3	1028.6	1012.9
22.5°	785.1	822.1	865.1	904.5	946.3	983.8	1004.5	1012.1	1000.4	980.3	950.0
25°	757.6	800.5	850.5	895.5	941.0	976.5	983.7	970.3	929.2	886.0	831.3
27.5°	727.9	776.1	829.7	879.7	928.3	950.3	934.9	886.9	812.9	748.5	670.5
30°	706.2	760.3	812.9	868.9	913.8	923.3	888.1	817.4	731.0	634.0	556.2
32.5°	681.3	738.0	795.9	853.7	891.4	882.1	823.9	736.9	635.6	540.3	466.7
35°	645.8	704.4	766.8	824.7	848.7	808.8	721.8	608.6	505.0	416.0	365.4
37.5°	604.8	668.6	733.5	786.7	785.1	718.4	600.0	483.0	396.0	343.3	307.3
40°	575.7	640.2	710.3	755.3	736.0	649.4	520.9	410.6	347.0	305.0	278.7
42.5°	547.8	612.5	682.1	717.9	684.4	577.9	450.0	363.5	311.0	278.3	256.9
45°	500.3	568.5	633.1	652.9	593.1	475.7	363.8	301.2	266.3	242.0	227.2
47.5°	453.8	521.0	579.9	580.3	499.4	385.8	307.0	260.6	230.8	212.1	201.3
50°	425.4	489.3	538.7	531.0	439.3	343.2	274.5	234.6	209.8	195.3	184.0
52.5°	393.5	455.4	498.2	476.3	388.4	302.0	245.4	211.9	191.3	178.7	168.7
55°	347.0	402.0	432.2	399.1	316.9	251.1	207.4	181.0	165.6	155.0	146.5
57.5°	301.4	346.7	365.8	327.2	260.9	208.3	175.4	155.7	140.4	132.8	128.3
60°	272.7	311.5	324.8	282.3	226.9	182.2	155.3	137.0	125.7	120.7	116.3
62.5°	244.6	276.2	281.8	242.7	197.8	159.5	136.4	120.9	113.4	108.6	104.4
65°	203.0	225.7	223.1	191.7	156.5	126.6	109.7	100.3	94.7	87.9	80.5
67.5°	167.1	181.0	172.6	149.1	119.5	98.4	87.4	80.2	73.3	66.8	65.1
70°	144.3	152.3	143.5	121.9	97.9	82.5	73.7	65.1	60.9	59.5	56.8
72.5°	122.6	125.4	115.8	97.3	79.7	68.4	59.7	54.9	52.7	51.4	49.7
75°	92.0	89.9	81.7	67.2	55.3	47.6	45.0	43.2	41.7	40.6	39.6
77.5°	64.6	61.6	54.2	44.8	38.5	34.9	33.3	32.3	31.6	31.0	30.1
80°	48.5	46.4	39.1	31.9	29.3	27.5	26.6	25.4	25.4	24.9	23.9
82.5°	35.5	33.2	26.8	23.4	21.9	20.9	20.2	19.5	19.3	19.4	18.8
85°	18.6	15.1	13.3	12.8	11.8	11.2	11.6	10.9	10.9	10.9	10.6
87.5°	6.2	5.4	5.5	5.5	6.1	6.4	6.4	6.7	7.1	7.1	7.4
90°	2.5	4.3	6.0	7.8	9.3	10.6	11.9	13.2	14.5	15.3	16.1
92.5°	14.4	14.3	14.1	13.9	14.2	14.9	15.5	16.2	16.8	17.2	17.6
95°	41.7	36.4	31.1	25.8	23.7	24.9	26.0	27.1	28.2	29.0	29.8
97.5°	78.3	63.5	48.5	33.5	27.3	29.9	32.6	35.2	37.8	38.4	39.1
100°	106.0	84.0	61.9	39.9	30.3	33.0	35.8	38.5	41.3	42.5	43.8
102.5°	161.6	156.9	152.3	147.6	133.9	111.0	88.1	65.3	42.4	44.0	45.7
105°	224.7	229.6	234.4	239.2	219.7	175.8	131.9	88.0	44.1	45.9	47.7
107.5°	285.0	288.9	292.8	296.8	272.4	219.7	167.1	114.4	61.8	60.0	58.1
110°	323.9	327.3	330.7	334.0	312.4	266.0	219.5	173.1	126.6	110.5	94.4





TEST NUMBER: P331663-927

CATALOG NUMBER: SA2XXRDIP-C485D925U927-4F0-1E-UDD-A

**CANDELA DISTRIBUTION (continued):**

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	360.5	363.5	366.5	369.5	365.3	353.8	342.3	330.8	319.3	260.7	202.1
115°	418.7	421.4	424.2	426.9	430.3	434.4	438.4	442.4	446.4	371.9	297.5
117.5°	471.3	474.4	477.4	480.5	483.4	486.2	488.9	491.7	494.4	476.4	458.4
120°	508.8	511.3	513.7	516.1	518.7	521.7	524.5	527.4	530.3	532.3	534.2
122.5°	541.4	543.9	546.4	549.0	551.8	555.0	558.2	561.3	564.5	565.6	566.8
125°	590.3	592.4	594.5	596.6	599.1	602.2	605.2	608.3	611.3	612.5	613.6
127.5°	635.3	637.5	639.8	642.1	644.4	646.7	649.0	651.3	653.6	655.2	656.9
130°	663.8	666.4	669.0	671.5	673.8	675.5	677.2	679.1	680.8	682.5	684.4
132.5°	692.4	694.6	696.8	698.9	700.9	702.7	704.5	706.2	708.0	709.6	711.1
135°	730.4	733.0	735.5	738.2	740.1	741.6	743.1	744.5	745.9	747.5	749.2
137.5°	767.7	769.5	771.3	773.1	774.8	776.4	778.1	779.7	781.4	782.9	784.5
140°	792.1	793.4	794.6	795.9	797.5	799.2	801.0	802.8	804.5	806.0	807.4
142.5°	812.8	814.0	815.1	816.3	817.8	819.8	821.9	823.9	825.9	827.3	828.5
145°	844.1	844.0	843.8	843.7	844.9	847.7	850.4	853.2	855.9	857.0	858.2
147.5°	872.2	871.6	871.0	870.4	871.4	874.1	876.9	879.6	882.3	883.0	883.9
150°	890.3	889.1	888.0	886.8	887.6	890.2	892.7	895.3	897.9	898.8	899.8
152.5°	905.7	904.4	903.2	902.0	902.5	905.0	907.4	909.9	912.4	913.3	914.3
155°	928.3	926.8	925.3	923.9	924.2	926.1	928.0	929.9	931.8	932.8	933.8
157.5°	946.3	945.1	943.8	942.6	942.7	944.0	945.4	946.7	948.1	949.2	950.2
160°	957.0	956.0	955.0	954.0	954.0	955.0	956.0	957.0	957.9	958.9	959.8
162.5°	966.2	965.3	964.2	963.3	963.2	964.1	964.9	965.7	966.6	967.7	968.8
165°	978.7	977.7	976.7	975.7	975.5	976.0	976.4	977.0	977.5	978.6	979.7
167.5°	987.9	987.0	986.0	985.0	984.8	985.2	985.6	986.1	986.6	987.7	988.8
170°	993.1	992.1	991.2	990.2	989.9	990.2	990.5	990.9	991.2	992.3	993.5
172.5°	996.6	995.6	994.7	993.7	993.4	993.7	994.0	994.3	994.7	995.8	996.9
175°	1000.9	999.8	998.6	997.5	997.1	997.4	997.8	998.1	998.4	999.6	1000.7
177.5°	1001.9	1001.0	1000.1	999.2	998.8	998.9	999.0	999.2	999.3	1000.2	1001.1
180°	999.9	999.9	999.9	999.9	999.9	999.9	999.9	999.9	999.9	999.9	999.9



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**CANDELA DISTRIBUTION (continued):**

	330°	335°	340°	345°	350°	355°	360°
0°	851.4	851.4	851.4	851.4	851.4	851.4	851.4
2.5°	881.2	884.3	885.7	885.7	887.4	886.7	886.0
5°	931.8	937.5	938.7	944.0	947.8	946.7	947.2
7.5°	982.2	991.3	1000.2	1004.2	1005.0	1007.3	1008.2
10°	1013.2	1020.6	1034.5	1032.5	1042.8	1048.7	1038.9
12.5°	1043.1	1053.0	1062.7	1065.3	1071.2	1073.1	1069.2
15°	1070.0	1075.3	1075.9	1074.4	1076.3	1074.8	1069.1
17.5°	1044.8	1036.2	1018.7	1010.3	1003.8	994.1	990.2
20°	1003.1	977.7	948.2	936.3	922.4	895.2	901.7
22.5°	913.2	884.2	854.7	820.1	803.6	777.8	776.3
25°	773.3	723.3	668.3	629.8	607.4	581.6	570.4
27.5°	601.3	538.3	493.2	470.4	449.6	429.2	428.3
30°	488.1	440.8	405.9	386.3	373.7	365.0	366.9
32.5°	411.5	379.0	355.5	339.3	329.9	323.4	323.3
35°	336.4	314.2	299.0	292.3	285.5	280.7	281.1
37.5°	287.9	274.5	266.1	258.6	254.4	252.1	250.7
40°	263.0	252.1	245.6	241.1	237.6	234.3	233.7
42.5°	243.4	234.3	227.8	224.3	221.0	218.6	218.1
45°	215.9	208.6	202.6	198.8	197.3	195.3	195.3
47.5°	192.1	184.8	180.2	177.8	175.2	173.9	173.8
50°	176.0	170.4	166.3	164.8	162.7	161.8	161.5
52.5°	161.6	157.4	154.4	153.4	152.5	151.4	151.5
55°	142.0	139.7	138.5	137.5	136.1	134.3	135.5
57.5°	125.5	123.5	120.3	117.5	116.1	114.9	115.3
60°	113.9	109.7	105.6	102.3	101.5	98.8	98.8
62.5°	99.3	93.4	88.3	86.5	85.6	84.4	84.1
65°	76.3	74.0	72.8	71.6	71.0	71.0	70.4
67.5°	63.2	62.3	61.0	60.7	60.1	60.0	59.7
70°	55.9	54.7	54.1	53.9	53.2	53.6	52.7
72.5°	48.8	47.8	47.8	47.0	46.7	46.7	46.0
75°	38.4	38.4	38.2	37.9	37.3	37.0	37.3
77.5°	29.5	29.6	29.1	29.1	29.0	29.1	28.8
80°	23.7	23.9	23.7	23.4	23.1	23.4	23.1
82.5°	18.7	18.3	18.2	18.1	18.1	17.9	17.9
85°	10.6	10.9	10.6	10.4	10.4	10.4	10.6
87.5°	7.4	7.5	7.7	7.8	7.8	7.8	7.7
90°	16.9	17.7	18.2	18.5	18.9	19.3	19.6
92.5°	18.1	18.5	18.8	18.9	19.2	19.3	19.6
95°	30.7	31.4	31.8	31.6	31.4	31.3	31.1
97.5°	39.7	40.3	40.7	41.0	41.1	41.4	41.5
100°	45.1	46.4	47.2	47.5	47.8	48.2	48.5
102.5°	47.5	49.1	50.1	50.6	51.0	51.5	52.0
105°	49.4	51.2	52.4	53.1	53.7	54.3	55.0
107.5°	56.4	54.6	54.0	54.7	55.3	55.9	56.6
110°	78.3	62.3	54.6	55.2	55.8	56.5	57.2



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**CANDELA DISTRIBUTION (continued):**

	330°	335°	340°	345°	350°	355°	360°
112.5°	143.4	84.8	55.7	56.2	56.7	57.2	57.8
115°	223.1	148.6	105.6	94.0	82.5	70.9	59.3
117.5°	440.5	422.4	394.3	356.3	318.3	280.3	242.2
120°	536.1	538.1	528.1	506.4	484.7	463.0	441.3
122.5°	567.9	569.1	567.6	563.4	559.1	554.9	550.7
125°	614.7	615.8	616.6	617.1	617.6	618.1	618.6
127.5°	658.5	660.2	661.0	661.2	661.2	661.3	661.4
130°	686.1	687.9	688.7	688.6	688.3	688.2	688.0
132.5°	712.6	714.1	714.7	714.5	714.4	714.2	714.1
135°	750.8	752.3	753.0	752.7	752.3	752.0	751.7
137.5°	786.1	787.7	788.2	787.7	787.1	786.6	786.0
140°	808.9	810.3	810.6	809.8	809.1	808.3	807.4
142.5°	829.9	831.2	831.5	830.7	829.9	829.1	828.2
145°	859.3	860.4	860.5	859.8	859.0	858.2	857.4
147.5°	884.7	885.6	885.7	884.9	884.3	883.6	883.0
150°	900.8	901.7	901.8	901.0	900.2	899.4	898.6
152.5°	915.2	916.2	916.2	915.0	914.0	913.0	911.9
155°	934.8	935.7	935.6	934.3	933.0	931.7	930.4
157.5°	951.3	952.4	952.4	951.1	949.8	948.6	947.4
160°	960.8	961.8	961.7	960.5	959.4	958.3	957.2
162.5°	969.9	971.0	970.8	969.5	968.0	966.7	965.3
165°	980.8	981.9	981.9	980.8	979.7	978.6	977.5
167.5°	989.9	991.1	990.9	989.4	988.0	986.6	985.1
170°	994.6	995.7	995.5	994.1	992.6	991.2	989.8
172.5°	998.1	999.2	999.0	997.5	996.1	994.7	993.2
175°	1001.8	1002.9	1002.7	1001.1	999.5	997.8	996.2
177.5°	1002.0	1002.9	1002.7	1001.6	1000.4	999.3	998.1
180°	999.9	999.9	999.9	999.9	999.9	999.9	999.9

(END OF REPORT)