

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: P331789-927

Luminaire Tested: **S122RDIW-S485D710U927-4F0-1E-UDD-A**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P331789-927  
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1807-864-2,  
Test Lab: INNOVATION CENTER  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: NEO-RAY  
Catalog Number: S122RDIW-S485D710U927-4F0-1E-UDD-A  
Description: DEFINE 2 DIRECT-INDIRECT WALL MOUNT LED LUMINAIRE  
DOWNLIGHT 485 LUMENS PER FOOT, ASYMMETRIC DIFFUSER, REGRESSED HOUSING  
UPLIGHT 710 LUMENS PER FOOT, NO LENS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 3719.3 lumens  
Efficiency: N/A  
Efficacy: 98.9 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

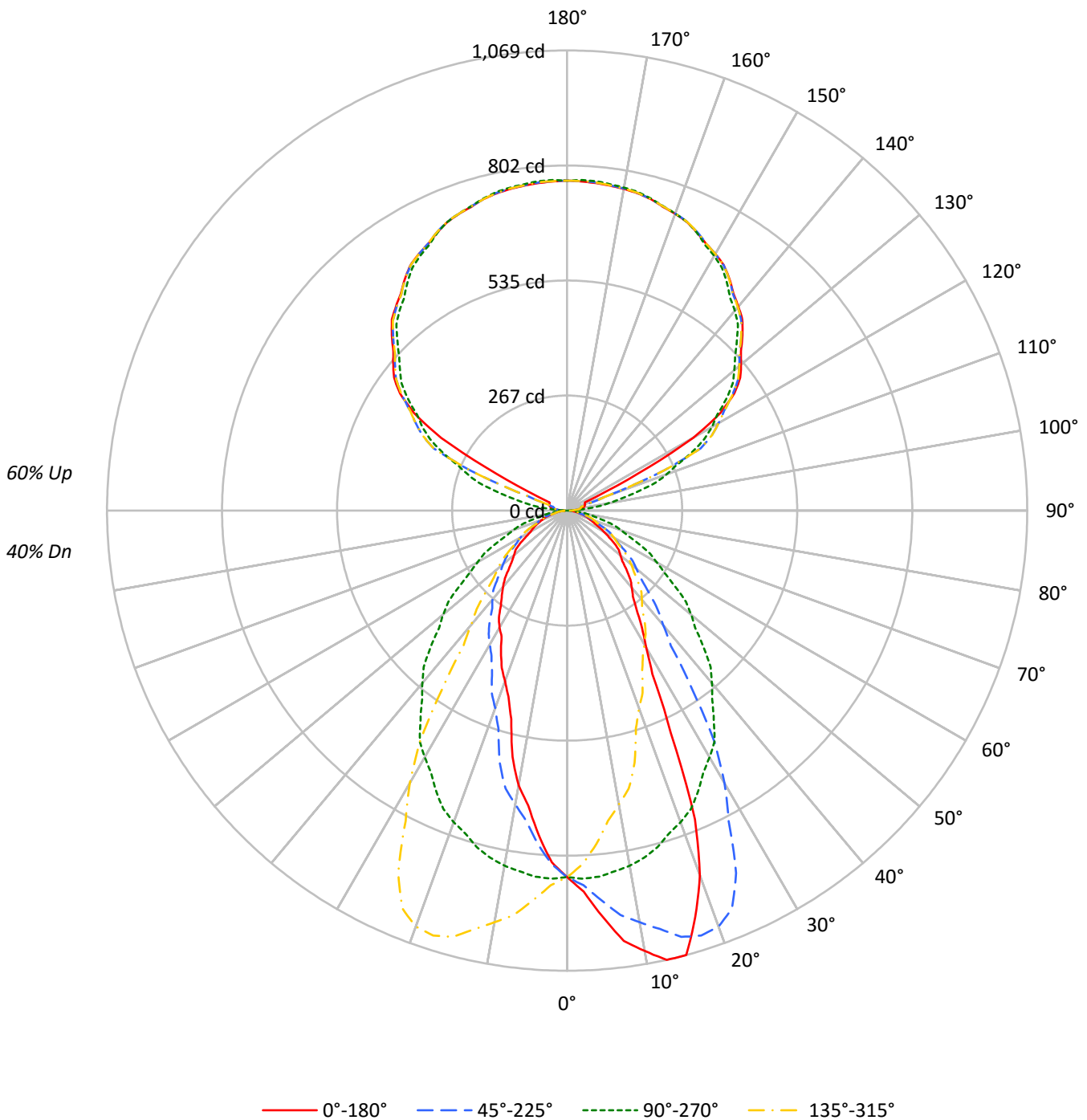
Input Watts (W): 37.6  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	105	105	105	105	95	95	95	95	78	78	78	61	61	61	47	47	47	40
1	96	92	88	85	87	84	81	78	69	67	65	55	54	52	42	41	40	35
2	88	81	75	71	80	74	69	65	61	58	55	49	47	45	38	36	35	30
3	81	72	65	60	73	66	60	55	54	50	47	44	41	39	34	32	31	26
4	74	64	57	51	67	59	52	47	49	44	40	40	36	34	31	29	27	23
5	68	57	50	44	62	53	46	41	44	39	35	36	32	30	28	26	24	21
6	63	52	44	39	57	48	41	36	40	35	31	33	29	26	26	23	22	18
7	58	47	39	34	53	43	37	32	36	31	28	30	26	24	24	21	19	17
8	54	43	35	30	50	39	33	28	33	28	25	28	24	21	22	20	18	15
9	51	39	32	27	46	36	30	26	31	26	22	25	22	19	21	18	16	14
10	47	36	29	25	43	33	27	23	28	24	20	24	20	18	19	17	15	13

**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	2.2
10°-20°	224.9	6.0
20°-30°	289.8	7.8
30°-40°	275.4	7.4
40°-50°	235.9	6.3
50°-60°	179.7	4.8
60°-70°	113.6	3.1
70°-80°	56.7	1.5
80°-90°	16.6	0.4
90°-100°	25.6	0.7
100°-110°	93.8	2.5
110°-120°	250.6	6.7
120°-130°	413.7	11.1
130°-140°	440.0	11.8
140°-150°	408.9	11.0
150°-160°	328.8	8.8
160°-170°	211.9	5.7
170°-180°	72.9	2.0
0°-30°	595.4	16.0
0°-40°	870.8	23.4
0°-60°	1286.4	34.6
0°-90°	1473.3	39.6
90°-120°	369.9	9.9
90°-150°	1632.5	43.9
90°-180°	2246.0	60.4
0°-180°	3719.3	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°	15	1	15	1	15	7
95°	24	36	24	36	24	22
105°	42	169	42	169	42	44
115°	46	319	46	319	46	114
125°	474	451	474	451	474	410
135°	576	558	576	558	576	444
145°	657	647	657	647	657	411
155°	713	713	713	713	713	329
165°	749	751	749	751	749	212
175°	764	768	764	768	764	73
180°	766	766	766	766	766	



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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°	6.8	7.0	6.9	6.9	6.8	6.7	6.6	6.7	6.3	6.5	6.0
90°	15.0	14.7	14.5	14.3	14.0	13.5	12.9	12.4	11.7	11.1	10.1
92.5°	15.0	14.8	14.7	14.5	14.4	14.2	13.9	13.5	13.2	12.8	12.4
95°	23.8	24.0	24.1	24.2	24.3	24.1	23.4	22.9	22.3	21.6	20.8
97.5°	31.8	31.7	31.5	31.4	31.2	30.9	30.4	29.9	29.5	28.9	26.9
100°	37.2	36.9	36.7	36.4	36.2	35.6	34.5	33.6	32.6	31.6	29.5
102.5°	39.8	39.5	39.1	38.8	38.4	37.6	36.4	35.1	33.7	32.5	50.0
105°	42.1	41.7	41.2	40.6	40.2	39.2	37.9	36.5	35.2	33.8	67.5
107.5°	43.3	42.9	42.4	41.9	41.4	41.8	43.3	44.6	45.9	47.4	87.7
110°	43.8	43.3	42.9	42.3	41.8	47.8	60.0	72.4	84.8	97.0	132.7



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**CANDELA DISTRIBUTION (continued):**

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	44.3	43.9	43.5	43.1	42.7	65.0	110.0	154.9	199.9	244.8	253.6
115°	45.5	54.3	63.2	72.1	81.0	113.9	171.0	228.1	285.1	342.1	339.1
117.5°	185.7	214.8	244.0	273.1	302.3	323.8	337.5	351.4	365.2	379.0	376.8
120°	338.3	354.9	371.5	388.2	404.8	412.4	410.9	409.5	408.0	406.5	404.3
122.5°	422.2	425.4	428.6	431.8	435.1	436.3	435.3	434.4	433.6	432.7	430.2
125°	474.1	473.8	473.4	473.0	472.7	472.1	471.2	470.3	469.4	468.6	466.3
127.5°	507.0	506.9	506.8	506.8	506.7	506.0	504.8	503.5	502.2	501.0	499.2
130°	527.4	527.5	527.7	527.8	527.9	527.3	525.9	524.6	523.2	521.9	520.5
132.5°	547.4	547.5	547.6	547.7	547.9	547.3	546.2	545.0	543.8	542.7	541.4
135°	576.2	576.5	576.7	576.9	577.2	576.7	575.4	574.3	573.0	571.8	570.7
137.5°	602.5	602.9	603.3	603.7	604.2	603.8	602.5	601.3	600.2	599.0	597.7
140°	618.9	619.5	620.1	620.8	621.4	621.2	620.0	618.9	617.8	616.7	615.3
142.5°	634.9	635.5	636.1	636.8	637.3	637.2	636.1	635.1	634.1	633.1	631.5
145°	657.2	657.7	658.4	659.0	659.7	659.5	658.6	657.7	657.0	656.1	653.9
147.5°	676.8	677.3	677.9	678.3	678.9	678.8	678.2	677.6	676.9	676.2	674.1
150°	688.8	689.4	690.0	690.6	691.3	691.2	690.5	689.7	689.0	688.2	686.3
152.5°	698.9	699.8	700.6	701.4	702.3	702.3	701.6	700.8	700.1	699.3	697.4
155°	713.2	714.2	715.2	716.1	717.1	717.2	716.5	715.7	715.0	714.3	712.8
157.5°	726.1	727.1	728.1	729.0	730.0	730.1	729.2	728.4	727.5	726.7	725.6
160°	733.7	734.6	735.4	736.3	737.1	737.2	736.5	735.7	735.0	734.3	733.5
162.5°	739.9	740.9	742.0	743.1	744.2	744.3	743.4	742.6	741.7	740.9	740.3
165°	749.2	750.1	751.0	751.8	752.7	752.7	751.8	751.0	750.1	749.2	748.8
167.5°	755.1	756.2	757.3	758.4	759.5	759.6	758.8	758.0	757.1	756.2	755.9
170°	758.7	759.8	760.9	762.0	763.1	763.2	762.3	761.5	760.7	759.8	759.5
172.5°	761.3	762.4	763.5	764.6	765.7	765.9	765.0	764.1	763.3	762.4	762.2
175°	763.7	764.9	766.1	767.3	768.6	768.7	767.9	767.1	766.2	765.3	765.1
177.5°	765.1	766.0	766.8	767.8	768.7	768.7	768.0	767.4	766.7	766.0	765.9
180°	766.4	766.4	766.4	766.4	766.4	766.4	766.4	766.4	766.4	766.4	766.4



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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°	5.9	5.9	5.7	5.2	5.1	5.1	6.1	7.0	6.3	5.9	5.6
90°	9.1	8.2	7.1	5.9	4.6	3.2	1.9	0.6	1.9	3.2	4.6
92.5°	11.9	11.4	10.9	10.7	10.9	10.9	11.1	11.2	11.1	10.9	10.9
95°	19.9	19.0	18.1	19.8	23.8	27.9	32.0	36.0	32.0	27.9	23.8
97.5°	25.0	23.0	21.0	25.7	37.2	48.6	60.0	71.5	60.0	48.6	37.2
100°	27.4	25.3	23.2	30.7	47.5	64.4	81.3	98.2	81.3	64.4	47.5
102.5°	67.6	85.1	102.6	113.1	116.7	120.3	123.9	127.5	123.9	120.3	116.7
105°	101.1	134.8	168.4	183.4	179.7	176.0	172.3	168.6	172.3	176.0	179.7
107.5°	128.1	168.4	208.7	227.4	224.4	221.5	218.5	215.5	218.5	221.5	224.4
110°	168.3	203.9	239.5	256.0	253.4	250.9	248.3	245.7	248.3	250.9	253.4





TEST NUMBER: P331789-927

CATALOG NUMBER: S122RDIW-S485D710U927-4F0-1E-UDD-A

**CANDELA DISTRIBUTION (continued):**

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	262.4	271.2	280.0	283.2	280.9	278.7	276.4	274.1	276.4	278.7	280.9
115°	336.0	333.0	329.9	327.3	325.2	323.1	321.0	318.9	321.0	323.1	325.2
117.5°	374.8	372.6	370.5	368.3	365.9	363.6	361.2	358.9	361.2	363.6	365.9
120°	402.0	399.8	397.6	395.6	393.7	391.9	390.1	388.2	390.1	391.9	393.7
122.5°	427.9	425.4	423.0	420.8	418.9	416.9	415.0	413.0	415.0	416.9	418.9
125°	463.9	461.6	459.2	457.2	455.7	454.1	452.5	450.8	452.5	454.1	455.7
127.5°	497.5	495.7	494.0	492.3	490.4	488.7	486.9	485.1	486.9	488.7	490.4
130°	519.1	517.8	516.4	514.8	512.8	510.8	508.8	506.8	508.8	510.8	512.8
132.5°	540.0	538.6	537.3	535.8	534.1	532.4	530.8	529.1	530.8	532.4	534.1
135°	569.6	568.5	567.4	565.8	563.8	561.8	559.8	557.9	559.8	561.8	563.8
137.5°	596.4	595.2	593.9	592.6	591.2	589.9	588.4	587.1	588.4	589.9	591.2
140°	613.9	612.6	611.2	610.1	609.1	608.1	607.1	606.2	607.1	608.1	609.1
142.5°	630.0	628.4	626.9	625.7	624.8	623.9	623.0	622.1	623.0	623.9	624.8
145°	651.9	649.7	647.7	646.7	646.8	647.0	647.1	647.2	647.1	647.0	646.8
147.5°	672.1	670.0	668.0	667.2	667.7	668.1	668.6	669.0	668.6	668.1	667.7
150°	684.3	682.3	680.3	679.8	680.6	681.5	682.4	683.3	682.4	681.5	680.6
152.5°	695.5	693.7	691.8	691.3	692.3	693.3	694.3	695.2	694.3	693.3	692.3
155°	711.3	709.9	708.4	708.2	709.3	710.4	711.5	712.6	711.5	710.4	709.3
157.5°	724.6	723.6	722.5	722.5	723.4	724.4	725.3	726.3	725.3	724.4	723.4
160°	732.8	732.1	731.3	731.3	732.1	732.8	733.5	734.3	733.5	732.8	732.1
162.5°	739.7	738.9	738.3	738.4	739.1	739.9	740.6	741.3	740.6	739.9	739.1
165°	748.5	748.1	747.7	747.9	748.7	749.4	750.1	750.9	750.1	749.4	748.7
167.5°	755.5	755.2	754.9	755.0	755.7	756.5	757.2	758.0	757.2	756.5	755.7
170°	759.3	759.0	758.8	759.0	759.8	760.5	761.2	762.0	761.2	760.5	759.8
172.5°	761.9	761.7	761.4	761.7	762.4	763.2	763.9	764.6	763.9	763.2	762.4
175°	764.9	764.5	764.3	764.6	765.5	766.4	767.2	768.1	767.2	766.4	765.5
177.5°	765.8	765.6	765.6	765.9	766.6	767.2	767.9	768.7	767.9	767.2	766.6
180°	766.4	766.4	766.4	766.4	766.4	766.4	766.4	766.4	766.4	766.4	766.4



TEST NUMBER: P331789-927

CATALOG NUMBER: S122RDIW-S485D710U927-4F0-1E-UDD-A

**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°	5.7	5.7	5.4	5.6	5.8	5.8	5.9	5.8	5.9	6.0	5.9
90°	5.9	7.1	8.2	9.1	10.1	11.1	11.7	12.4	12.9	13.5	14.0
92.5°	10.7	10.9	11.4	11.9	12.4	12.8	13.2	13.5	13.9	14.2	14.4
95°	19.8	18.1	19.0	19.9	20.8	21.6	22.3	22.9	23.4	24.1	24.3
97.5°	25.7	21.0	23.0	25.0	26.9	28.9	29.5	29.9	30.4	30.9	31.2
100°	30.7	23.2	25.3	27.4	29.5	31.6	32.6	33.6	34.5	35.6	36.2
102.5°	113.1	102.6	85.1	67.6	50.0	32.5	33.7	35.1	36.4	37.6	38.4
105°	183.4	168.4	134.8	101.1	67.5	33.8	35.2	36.5	37.9	39.2	40.2
107.5°	227.4	208.7	168.4	128.1	87.7	47.4	45.9	44.6	43.3	41.8	41.4
110°	256.0	239.5	203.9	168.3	132.7	97.0	84.8	72.4	60.0	47.8	41.8



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**CANDELA DISTRIBUTION (continued):**

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	283.2	280.0	271.2	262.4	253.6	244.8	199.9	154.9	110.0	65.0	42.7
115°	327.3	329.9	333.0	336.0	339.1	342.1	285.1	228.1	171.0	113.9	81.0
117.5°	368.3	370.5	372.6	374.8	376.8	379.0	365.2	351.4	337.5	323.8	302.3
120°	395.6	397.6	399.8	402.0	404.3	406.5	408.0	409.5	410.9	412.4	404.8
122.5°	420.8	423.0	425.4	427.9	430.2	432.7	433.6	434.4	435.3	436.3	435.1
125°	457.2	459.2	461.6	463.9	466.3	468.6	469.4	470.3	471.2	472.1	472.7
127.5°	492.3	494.0	495.7	497.5	499.2	501.0	502.2	503.5	504.8	506.0	506.7
130°	514.8	516.4	517.8	519.1	520.5	521.9	523.2	524.6	525.9	527.3	527.9
132.5°	535.8	537.3	538.6	540.0	541.4	542.7	543.8	545.0	546.2	547.3	547.9
135°	565.8	567.4	568.5	569.6	570.7	571.8	573.0	574.3	575.4	576.7	577.2
137.5°	592.6	593.9	595.2	596.4	597.7	599.0	600.2	601.3	602.5	603.8	604.2
140°	610.1	611.2	612.6	613.9	615.3	616.7	617.8	618.9	620.0	621.2	621.4
142.5°	625.7	626.9	628.4	630.0	631.5	633.1	634.1	635.1	636.1	637.2	637.3
145°	646.7	647.7	649.7	651.9	653.9	656.1	657.0	657.7	658.6	659.5	659.7
147.5°	667.2	668.0	670.0	672.1	674.1	676.2	676.9	677.6	678.2	678.8	678.9
150°	679.8	680.3	682.3	684.3	686.3	688.2	689.0	689.7	690.5	691.2	691.3
152.5°	691.3	691.8	693.7	695.5	697.4	699.3	700.1	700.8	701.6	702.3	702.3
155°	708.2	708.4	709.9	711.3	712.8	714.3	715.0	715.7	716.5	717.2	717.1
157.5°	722.5	722.5	723.6	724.6	725.6	726.7	727.5	728.4	729.2	730.1	730.0
160°	731.3	731.3	732.1	732.8	733.5	734.3	735.0	735.7	736.5	737.2	737.1
162.5°	738.4	738.3	738.9	739.7	740.3	740.9	741.7	742.6	743.4	744.3	744.2
165°	747.9	747.7	748.1	748.5	748.8	749.2	750.1	751.0	751.8	752.7	752.7
167.5°	755.0	754.9	755.2	755.5	755.9	756.2	757.1	758.0	758.8	759.6	759.5
170°	759.0	758.8	759.0	759.3	759.5	759.8	760.7	761.5	762.3	763.2	763.1
172.5°	761.7	761.4	761.7	761.9	762.2	762.4	763.3	764.1	765.0	765.9	765.7
175°	764.6	764.3	764.5	764.9	765.1	765.3	766.2	767.1	767.9	768.7	768.6
177.5°	765.9	765.6	765.6	765.8	765.9	766.0	766.7	767.4	768.0	768.7	768.7
180°	766.4	766.4	766.4	766.4	766.4	766.4	766.4	766.4	766.4	766.4	766.4



TEST NUMBER: P331789-927

CATALOG NUMBER: S122RDIW-S485D710U927-4F0-1E-UDD-A

**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°	5.9	5.7	6.0	5.9	6.0	5.7	5.9	5.9	6.0	5.9	5.8
90°	14.3	14.5	14.7	15.0	14.7	14.5	14.3	14.0	13.5	12.9	12.4
92.5°	14.5	14.7	14.8	15.0	14.8	14.7	14.5	14.4	14.2	13.9	13.5
95°	24.2	24.1	24.0	23.8	24.0	24.1	24.2	24.3	24.1	23.4	22.9
97.5°	31.4	31.5	31.7	31.8	31.7	31.5	31.4	31.2	30.9	30.4	29.9
100°	36.4	36.7	36.9	37.2	36.9	36.7	36.4	36.2	35.6	34.5	33.6
102.5°	38.8	39.1	39.5	39.8	39.5	39.1	38.8	38.4	37.6	36.4	35.1
105°	40.6	41.2	41.7	42.1	41.7	41.2	40.6	40.2	39.2	37.9	36.5
107.5°	41.9	42.4	42.9	43.3	42.9	42.4	41.9	41.4	41.8	43.3	44.6
110°	42.3	42.9	43.3	43.8	43.3	42.9	42.3	41.8	47.8	60.0	72.4



TEST NUMBER: P331789-927

CATALOG NUMBER: S122RDIW-S485D710U927-4F0-1E-UDD-A

**CANDELA DISTRIBUTION (continued):**

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	43.1	43.5	43.9	44.3	43.9	43.5	43.1	42.7	65.0	110.0	154.9
115°	72.1	63.2	54.3	45.5	54.3	63.2	72.1	81.0	113.9	171.0	228.1
117.5°	273.1	244.0	214.8	185.7	214.8	244.0	273.1	302.3	323.8	337.5	351.4
120°	388.2	371.5	354.9	338.3	354.9	371.5	388.2	404.8	412.4	410.9	409.5
122.5°	431.8	428.6	425.4	422.2	425.4	428.6	431.8	435.1	436.3	435.3	434.4
125°	473.0	473.4	473.8	474.1	473.8	473.4	473.0	472.7	472.1	471.2	470.3
127.5°	506.8	506.8	506.9	507.0	506.9	506.8	506.8	506.7	506.0	504.8	503.5
130°	527.8	527.7	527.5	527.4	527.5	527.7	527.8	527.9	527.3	525.9	524.6
132.5°	547.7	547.6	547.5	547.4	547.5	547.6	547.7	547.9	547.3	546.2	545.0
135°	576.9	576.7	576.5	576.2	576.5	576.7	576.9	577.2	576.7	575.4	574.3
137.5°	603.7	603.3	602.9	602.5	602.9	603.3	603.7	604.2	603.8	602.5	601.3
140°	620.8	620.1	619.5	618.9	619.5	620.1	620.8	621.4	621.2	620.0	618.9
142.5°	636.8	636.1	635.5	634.9	635.5	636.1	636.8	637.3	637.2	636.1	635.1
145°	659.0	658.4	657.7	657.2	657.7	658.4	659.0	659.7	659.5	658.6	657.7
147.5°	678.3	677.9	677.3	676.8	677.3	677.9	678.3	678.9	678.8	678.2	677.6
150°	690.6	690.0	689.4	688.8	689.4	690.0	690.6	691.3	691.2	690.5	689.7
152.5°	701.4	700.6	699.8	698.9	699.8	700.6	701.4	702.3	702.3	701.6	700.8
155°	716.1	715.2	714.2	713.2	714.2	715.2	716.1	717.1	717.2	716.5	715.7
157.5°	729.0	728.1	727.1	726.1	727.1	728.1	729.0	730.0	730.1	729.2	728.4
160°	736.3	735.4	734.6	733.7	734.6	735.4	736.3	737.1	737.2	736.5	735.7
162.5°	743.1	742.0	740.9	739.9	740.9	742.0	743.1	744.2	744.3	743.4	742.6
165°	751.8	751.0	750.1	749.2	750.1	751.0	751.8	752.7	752.7	751.8	751.0
167.5°	758.4	757.3	756.2	755.1	756.2	757.3	758.4	759.5	759.6	758.8	758.0
170°	762.0	760.9	759.8	758.7	759.8	760.9	762.0	763.1	763.2	762.3	761.5
172.5°	764.6	763.5	762.4	761.3	762.4	763.5	764.6	765.7	765.9	765.0	764.1
175°	767.3	766.1	764.9	763.7	764.9	766.1	767.3	768.6	768.7	767.9	767.1
177.5°	767.8	766.8	766.0	765.1	766.0	766.8	767.8	768.7	768.7	768.0	767.4
180°	766.4	766.4	766.4	766.4	766.4	766.4	766.4	766.4	766.4	766.4	766.4



TEST NUMBER: P331789-927

CATALOG NUMBER: S122RDIW-S485D710U927-4F0-1E-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°	5.9	5.8	5.8	5.6	5.4	5.7	5.7	5.6	5.9	6.3	7.0
90°	11.7	11.1	10.1	9.1	8.2	7.1	5.9	4.6	3.2	1.9	0.6
92.5°	13.2	12.8	12.4	11.9	11.4	10.9	10.7	10.9	10.9	11.1	11.2
95°	22.3	21.6	20.8	19.9	19.0	18.1	19.8	23.8	27.9	32.0	36.0
97.5°	29.5	28.9	26.9	25.0	23.0	21.0	25.7	37.2	48.6	60.0	71.5
100°	32.6	31.6	29.5	27.4	25.3	23.2	30.7	47.5	64.4	81.3	98.2
102.5°	33.7	32.5	50.0	67.6	85.1	102.6	113.1	116.7	120.3	123.9	127.5
105°	35.2	33.8	67.5	101.1	134.8	168.4	183.4	179.7	176.0	172.3	168.6
107.5°	45.9	47.4	87.7	128.1	168.4	208.7	227.4	224.4	221.5	218.5	215.5
110°	84.8	97.0	132.7	168.3	203.9	239.5	256.0	253.4	250.9	248.3	245.7



TEST NUMBER: P331789-927

CATALOG NUMBER: S122RDIW-S485D710U927-4F0-1E-UDD-A

**CANDELA DISTRIBUTION (continued):**

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	199.9	244.8	253.6	262.4	271.2	280.0	283.2	280.9	278.7	276.4	274.1
115°	285.1	342.1	339.1	336.0	333.0	329.9	327.3	325.2	323.1	321.0	318.9
117.5°	365.2	379.0	376.8	374.8	372.6	370.5	368.3	365.9	363.6	361.2	358.9
120°	408.0	406.5	404.3	402.0	399.8	397.6	395.6	393.7	391.9	390.1	388.2
122.5°	433.6	432.7	430.2	427.9	425.4	423.0	420.8	418.9	416.9	415.0	413.0
125°	469.4	468.6	466.3	463.9	461.6	459.2	457.2	455.7	454.1	452.5	450.8
127.5°	502.2	501.0	499.2	497.5	495.7	494.0	492.3	490.4	488.7	486.9	485.1
130°	523.2	521.9	520.5	519.1	517.8	516.4	514.8	512.8	510.8	508.8	506.8
132.5°	543.8	542.7	541.4	540.0	538.6	537.3	535.8	534.1	532.4	530.8	529.1
135°	573.0	571.8	570.7	569.6	568.5	567.4	565.8	563.8	561.8	559.8	557.9
137.5°	600.2	599.0	597.7	596.4	595.2	593.9	592.6	591.2	589.9	588.4	587.1
140°	617.8	616.7	615.3	613.9	612.6	611.2	610.1	609.1	608.1	607.1	606.2
142.5°	634.1	633.1	631.5	630.0	628.4	626.9	625.7	624.8	623.9	623.0	622.1
145°	657.0	656.1	653.9	651.9	649.7	647.7	646.7	646.8	647.0	647.1	647.2
147.5°	676.9	676.2	674.1	672.1	670.0	668.0	667.2	667.7	668.1	668.6	669.0
150°	689.0	688.2	686.3	684.3	682.3	680.3	679.8	680.6	681.5	682.4	683.3
152.5°	700.1	699.3	697.4	695.5	693.7	691.8	691.3	692.3	693.3	694.3	695.2
155°	715.0	714.3	712.8	711.3	709.9	708.4	708.2	709.3	710.4	711.5	712.6
157.5°	727.5	726.7	725.6	724.6	723.6	722.5	722.5	723.4	724.4	725.3	726.3
160°	735.0	734.3	733.5	732.8	732.1	731.3	731.3	732.1	732.8	733.5	734.3
162.5°	741.7	740.9	740.3	739.7	738.9	738.3	738.4	739.1	739.9	740.6	741.3
165°	750.1	749.2	748.8	748.5	748.1	747.7	747.9	748.7	749.4	750.1	750.9
167.5°	757.1	756.2	755.9	755.5	755.2	754.9	755.0	755.7	756.5	757.2	758.0
170°	760.7	759.8	759.5	759.3	759.0	758.8	759.0	759.8	760.5	761.2	762.0
172.5°	763.3	762.4	762.2	761.9	761.7	761.4	761.7	762.4	763.2	763.9	764.6
175°	766.2	765.3	765.1	764.9	764.5	764.3	764.6	765.5	766.4	767.2	768.1
177.5°	766.7	766.0	765.9	765.8	765.6	765.6	765.9	766.6	767.2	767.9	768.7
180°	766.4	766.4	766.4	766.4	766.4	766.4	766.4	766.4	766.4	766.4	766.4



TEST NUMBER: P331789-927

CATALOG NUMBER: S122RDIW-S485D710U927-4F0-1E-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°	6.1	5.1	5.1	5.2	5.7	5.9	5.9	6.0	6.5	6.3	6.7
90°	1.9	3.2	4.6	5.9	7.1	8.2	9.1	10.1	11.1	11.7	12.4
92.5°	11.1	10.9	10.9	10.7	10.9	11.4	11.9	12.4	12.8	13.2	13.5
95°	32.0	27.9	23.8	19.8	18.1	19.0	19.9	20.8	21.6	22.3	22.9
97.5°	60.0	48.6	37.2	25.7	21.0	23.0	25.0	26.9	28.9	29.5	29.9
100°	81.3	64.4	47.5	30.7	23.2	25.3	27.4	29.5	31.6	32.6	33.6
102.5°	123.9	120.3	116.7	113.1	102.6	85.1	67.6	50.0	32.5	33.7	35.1
105°	172.3	176.0	179.7	183.4	168.4	134.8	101.1	67.5	33.8	35.2	36.5
107.5°	218.5	221.5	224.4	227.4	208.7	168.4	128.1	87.7	47.4	45.9	44.6
110°	248.3	250.9	253.4	256.0	239.5	203.9	168.3	132.7	97.0	84.8	72.4





TEST NUMBER: P331789-927

CATALOG NUMBER: S122RDIW-S485D710U927-4F0-1E-UDD-A

**CANDELA DISTRIBUTION (continued):**

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	276.4	278.7	280.9	283.2	280.0	271.2	262.4	253.6	244.8	199.9	154.9
115°	321.0	323.1	325.2	327.3	329.9	333.0	336.0	339.1	342.1	285.1	228.1
117.5°	361.2	363.6	365.9	368.3	370.5	372.6	374.8	376.8	379.0	365.2	351.4
120°	390.1	391.9	393.7	395.6	397.6	399.8	402.0	404.3	406.5	408.0	409.5
122.5°	415.0	416.9	418.9	420.8	423.0	425.4	427.9	430.2	432.7	433.6	434.4
125°	452.5	454.1	455.7	457.2	459.2	461.6	463.9	466.3	468.6	469.4	470.3
127.5°	486.9	488.7	490.4	492.3	494.0	495.7	497.5	499.2	501.0	502.2	503.5
130°	508.8	510.8	512.8	514.8	516.4	517.8	519.1	520.5	521.9	523.2	524.6
132.5°	530.8	532.4	534.1	535.8	537.3	538.6	540.0	541.4	542.7	543.8	545.0
135°	559.8	561.8	563.8	565.8	567.4	568.5	569.6	570.7	571.8	573.0	574.3
137.5°	588.4	589.9	591.2	592.6	593.9	595.2	596.4	597.7	599.0	600.2	601.3
140°	607.1	608.1	609.1	610.1	611.2	612.6	613.9	615.3	616.7	617.8	618.9
142.5°	623.0	623.9	624.8	625.7	626.9	628.4	630.0	631.5	633.1	634.1	635.1
145°	647.1	647.0	646.8	646.7	647.7	649.7	651.9	653.9	656.1	657.0	657.7
147.5°	668.6	668.1	667.7	667.2	668.0	670.0	672.1	674.1	676.2	676.9	677.6
150°	682.4	681.5	680.6	679.8	680.3	682.3	684.3	686.3	688.2	689.0	689.7
152.5°	694.3	693.3	692.3	691.3	691.8	693.7	695.5	697.4	699.3	700.1	700.8
155°	711.5	710.4	709.3	708.2	708.4	709.9	711.3	712.8	714.3	715.0	715.7
157.5°	725.3	724.4	723.4	722.5	722.5	723.6	724.6	725.6	726.7	727.5	728.4
160°	733.5	732.8	732.1	731.3	731.3	732.1	732.8	733.5	734.3	735.0	735.7
162.5°	740.6	739.9	739.1	738.4	738.3	738.9	739.7	740.3	740.9	741.7	742.6
165°	750.1	749.4	748.7	747.9	747.7	748.1	748.5	748.8	749.2	750.1	751.0
167.5°	757.2	756.5	755.7	755.0	754.9	755.2	755.5	755.9	756.2	757.1	758.0
170°	761.2	760.5	759.8	759.0	758.8	759.0	759.3	759.5	759.8	760.7	761.5
172.5°	763.9	763.2	762.4	761.7	761.4	761.7	761.9	762.2	762.4	763.3	764.1
175°	767.2	766.4	765.5	764.6	764.3	764.5	764.9	765.1	765.3	766.2	767.1
177.5°	767.9	767.2	766.6	765.9	765.6	765.6	765.8	765.9	766.0	766.7	767.4
180°	766.4	766.4	766.4	766.4	766.4	766.4	766.4	766.4	766.4	766.4	766.4



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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°	6.6	6.7	6.8	6.9	6.9	7.0	6.8
90°	12.9	13.5	14.0	14.3	14.5	14.7	15.0
92.5°	13.9	14.2	14.4	14.5	14.7	14.8	15.0
95°	23.4	24.1	24.3	24.2	24.1	24.0	23.8
97.5°	30.4	30.9	31.2	31.4	31.5	31.7	31.8
100°	34.5	35.6	36.2	36.4	36.7	36.9	37.2
102.5°	36.4	37.6	38.4	38.8	39.1	39.5	39.8
105°	37.9	39.2	40.2	40.6	41.2	41.7	42.1
107.5°	43.3	41.8	41.4	41.9	42.4	42.9	43.3
110°	60.0	47.8	41.8	42.3	42.9	43.3	43.8



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**CANDELA DISTRIBUTION (continued):**

	330°	335°	340°	345°	350°	355°	360°
112.5°	110.0	65.0	42.7	43.1	43.5	43.9	44.3
115°	171.0	113.9	81.0	72.1	63.2	54.3	45.5
117.5°	337.5	323.8	302.3	273.1	244.0	214.8	185.7
120°	410.9	412.4	404.8	388.2	371.5	354.9	338.3
122.5°	435.3	436.3	435.1	431.8	428.6	425.4	422.2
125°	471.2	472.1	472.7	473.0	473.4	473.8	474.1
127.5°	504.8	506.0	506.7	506.8	506.8	506.9	507.0
130°	525.9	527.3	527.9	527.8	527.7	527.5	527.4
132.5°	546.2	547.3	547.9	547.7	547.6	547.5	547.4
135°	575.4	576.7	577.2	576.9	576.7	576.5	576.2
137.5°	602.5	603.8	604.2	603.7	603.3	602.9	602.5
140°	620.0	621.2	621.4	620.8	620.1	619.5	618.9
142.5°	636.1	637.2	637.3	636.8	636.1	635.5	634.9
145°	658.6	659.5	659.7	659.0	658.4	657.7	657.2
147.5°	678.2	678.8	678.9	678.3	677.9	677.3	676.8
150°	690.5	691.2	691.3	690.6	690.0	689.4	688.8
152.5°	701.6	702.3	702.3	701.4	700.6	699.8	698.9
155°	716.5	717.2	717.1	716.1	715.2	714.2	713.2
157.5°	729.2	730.1	730.0	729.0	728.1	727.1	726.1
160°	736.5	737.2	737.1	736.3	735.4	734.6	733.7
162.5°	743.4	744.3	744.2	743.1	742.0	740.9	739.9
165°	751.8	752.7	752.7	751.8	751.0	750.1	749.2
167.5°	758.8	759.6	759.5	758.4	757.3	756.2	755.1
170°	762.3	763.2	763.1	762.0	760.9	759.8	758.7
172.5°	765.0	765.9	765.7	764.6	763.5	762.4	761.3
175°	767.9	768.7	768.6	767.3	766.1	764.9	763.7
177.5°	768.0	768.7	768.7	767.8	766.8	766.0	765.1
180°	766.4	766.4	766.4	766.4	766.4	766.4	766.4

(END OF REPORT)