

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: P331658-927

Luminaire Tested: **S122RDIP-S485D725U927-4F0-1E-UDD-A1**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P331658-927  
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1807-864-8,  
Test Lab: INNOVATION CENTER  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: NEO-RAY  
Catalog Number: S122RDIP-S485D725U927-4F0-1E-UDD-A1  
Description: DEFINE 2 DIRECT-INDIRECT PENDANT LED LUMINAIRE  
DOWNLIGHT 485 LUMENS PER FOOT, ASYMMETRIC DIFFUSER, REGRESSED HOUSING  
UPLIGHT 725 LUMENS PER FOOT, FLUSH SATIN WHITE DIFFUSER  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 3526.1 lumens  
Efficiency: N/A  
Efficacy: 91.8 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: General Diffuse

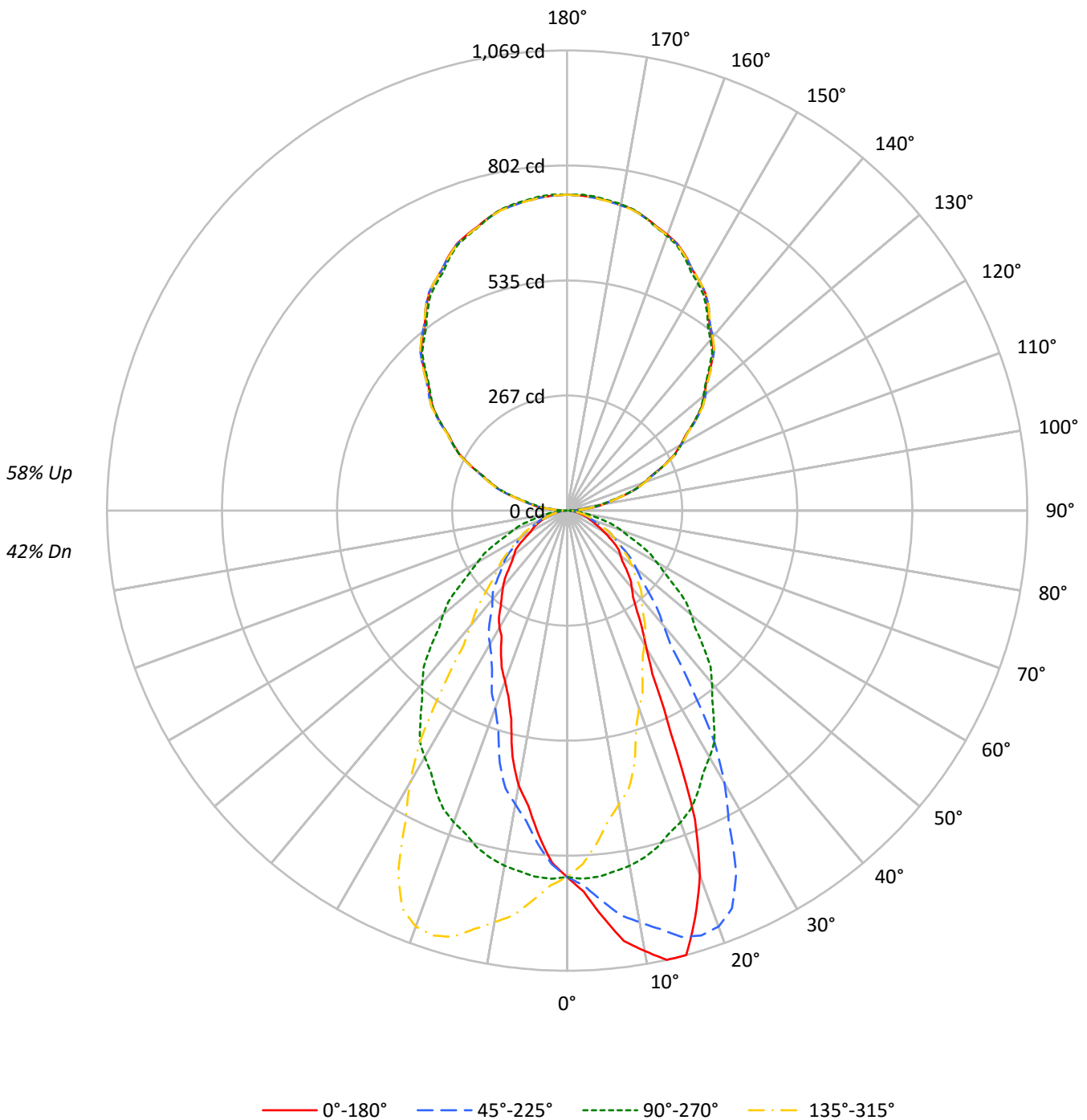
Input Watts (W): 38.4  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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### Luminous Intensity Polar Plot





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

RF	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	50	30	10	50	30	10	0														
RCR																																						
0	105	105	105	105	96	96	96	96	79	79	79	63	63	63	49	49	49	42																				
1	97	93	89	86	88	85	82	79	70	68	66	56	55	54	44	43	42	36																				
2	88	82	76	71	81	75	70	66	62	59	56	50	48	46	39	38	37	32																				
3	81	72	65	60	74	66	61	56	55	51	48	45	42	40	36	34	32	28																				
4	75	64	57	51	68	59	53	48	50	45	41	41	37	35	32	30	28	24																				
5	69	58	50	45	63	53	47	42	45	40	36	37	33	30	30	27	25	22																				
6	64	52	44	39	58	48	41	37	41	36	32	34	30	27	27	24	22	20																				
7	59	47	40	34	54	44	37	32	37	32	28	31	27	24	25	22	20	18																				
8	55	43	36	31	50	40	33	29	34	29	25	28	25	22	23	20	18	16																				
9	51	39	32	28	47	37	30	26	31	26	23	26	23	20	22	19	17	15																				
10	48	36	29	25	44	34	28	24	29	24	21	24	21	18	20	17	16	14																				

**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	2.3
10°-20°	224.9	6.4
20°-30°	289.8	8.2
30°-40°	275.4	7.8
40°-50°	235.9	6.7
50°-60°	179.7	5.1
60°-70°	113.6	3.2
70°-80°	56.7	1.6
80°-90°	17.7	0.5
90°-100°	46.5	1.3
100°-110°	144.4	4.1
110°-120°	246.8	7.0
120°-130°	324.6	9.2
130°-140°	364.3	10.3
140°-150°	357.2	10.1
150°-160°	299.6	8.5
160°-170°	198.7	5.6
170°-180°	69.5	2.0
0°-30°	595.4	16.9
0°-40°	870.8	24.7
0°-60°	1286.4	36.5
0°-90°	1474.3	41.8
90°-120°	437.7	12.4
90°-150°	1483.9	42.1
90°-180°	2052.0	58.2
0°-180°	3526.1	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°	21	1	21	1	21	10
95°	38	32	38	32	38	43
105°	137	133	137	133	137	145
115°	248	248	248	248	248	245
125°	362	360	362	360	362	322
135°	472	466	472	466	472	363
145°	572	566	572	566	572	357
155°	652	647	652	647	652	300
165°	705	704	705	704	705	199
175°	730	732	730	732	730	69
180°	734	734	734	734	734	



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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°	8.0	8.2	8.2	8.2	8.2	8.2	8.2	8.5	8.3	8.6	7.8
90°	21.1	20.9	20.8	20.7	20.5	20.6	20.8	21.2	21.4	21.7	18.6
92.5°	20.0	20.0	20.0	20.0	20.0	19.9	19.9	19.8	19.7	19.7	19.0
95°	38.4	38.7	39.0	39.2	39.5	39.6	39.6	39.6	39.6	39.6	39.4
97.5°	66.5	66.5	66.5	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.1
100°	84.8	85.0	85.1	85.2	85.4	85.5	85.5	85.5	85.5	85.5	85.0
102.5°	105.6	105.8	105.9	106.1	106.2	106.2	106.1	106.0	105.8	105.8	105.2
105°	137.4	137.4	137.4	137.4	137.4	137.4	137.0	136.8	136.5	136.3	135.9
107.5°	167.5	168.1	168.7	169.4	170.0	170.2	170.1	170.0	169.9	169.8	169.8
110°	190.7	191.2	191.5	191.9	192.3	192.6	192.6	192.6	192.6	192.6	192.6



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**CANDELA DISTRIBUTION (continued):**

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	213.0	213.3	213.6	213.9	214.2	214.5	214.8	215.2	215.6	215.9	215.9
115°	247.7	248.1	248.5	248.9	249.3	249.6	249.8	249.9	250.0	250.2	250.4
117.5°	280.7	281.1	281.5	282.0	282.4	282.7	283.1	283.4	283.8	284.1	284.9
120°	304.0	304.4	304.8	305.2	305.7	305.9	305.9	305.9	305.9	305.9	307.0
122.5°	326.9	327.1	327.4	327.7	328.0	328.4	328.7	329.0	329.3	329.6	330.4
125°	361.6	361.8	361.9	362.0	362.2	362.4	362.8	363.3	363.7	364.1	364.5
127.5°	393.3	393.8	394.2	394.7	395.1	395.5	396.0	396.6	397.0	397.5	398.0
130°	416.1	416.7	417.2	417.7	418.3	418.7	419.0	419.3	419.5	419.9	420.1
132.5°	437.9	438.3	438.8	439.2	439.7	440.2	440.8	441.4	442.0	442.6	442.5
135°	471.8	472.2	472.7	473.1	473.5	473.7	473.9	474.0	474.2	474.3	474.0
137.5°	502.6	503.1	503.7	504.2	504.8	505.1	505.2	505.3	505.4	505.5	505.2
140°	523.9	524.4	525.0	525.5	526.0	526.3	526.3	526.3	526.3	526.3	525.6
142.5°	543.2	543.8	544.2	544.8	545.3	545.6	545.5	545.3	545.3	545.2	544.7
145°	572.1	572.7	573.2	573.8	574.3	574.6	574.4	574.3	574.2	574.0	573.1
147.5°	598.0	598.6	599.0	599.6	600.2	600.2	599.9	599.6	599.3	599.0	598.5
150°	614.9	615.3	615.7	616.1	616.6	616.6	616.1	615.7	615.3	614.9	614.3
152.5°	630.7	631.2	631.8	632.3	632.8	632.8	632.3	631.8	631.2	630.7	630.0
155°	652.0	652.4	652.8	653.2	653.7	653.6	652.8	652.1	651.5	650.8	650.4
157.5°	670.3	671.0	671.7	672.3	673.0	672.9	671.9	671.0	670.0	669.1	668.8
160°	681.8	682.3	682.9	683.4	684.0	683.8	683.0	682.1	681.4	680.5	680.4
162.5°	691.7	692.3	693.0	693.6	694.3	694.2	693.2	692.3	691.3	690.4	690.3
165°	704.6	705.4	706.0	706.7	707.4	707.3	706.3	705.4	704.4	703.4	703.4
167.5°	715.3	716.1	716.8	717.5	718.2	718.0	717.1	716.1	715.2	714.2	714.2
170°	720.7	721.6	722.4	723.3	724.1	724.0	723.0	722.1	721.1	720.1	720.3
172.5°	725.2	726.0	726.8	727.7	728.5	728.4	727.5	726.5	725.6	724.6	724.8
175°	730.1	730.9	731.7	732.5	733.3	733.2	732.3	731.3	730.4	729.4	729.7
177.5°	732.3	732.9	733.6	734.3	734.9	734.9	734.3	733.6	732.9	732.3	732.5
180°	733.7	733.7	733.7	733.7	733.7	733.7	733.7	733.7	733.7	733.7	733.7



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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°	7.1	6.8	6.2	5.5	5.4	5.3	6.1	7.0	6.3	6.0	5.9
90°	15.6	12.6	9.6	7.2	5.5	4.0	2.3	0.6	2.3	4.0	5.5
92.5°	18.2	17.5	16.8	15.8	14.7	13.5	12.2	11.0	12.2	13.5	14.7
95°	39.1	38.8	38.5	37.7	36.4	34.9	33.6	32.2	33.6	34.9	36.4
97.5°	65.6	65.0	64.6	63.7	62.4	61.2	60.0	58.9	60.0	61.2	62.4
100°	84.6	84.2	83.8	83.0	81.9	80.8	79.8	78.7	79.8	80.8	81.9
102.5°	104.7	104.2	103.7	103.0	102.1	101.2	100.3	99.4	100.3	101.2	102.1
105°	135.7	135.4	135.1	134.8	134.4	134.0	133.6	133.2	133.6	134.0	134.4
107.5°	169.8	169.8	169.8	169.4	168.9	168.3	167.7	167.1	167.7	168.3	168.9
110°	192.6	192.6	192.6	192.2	191.3	190.5	189.6	188.9	189.6	190.5	191.3





TEST NUMBER: P331658-927

CATALOG NUMBER: S122RDIP-S485D725U927-4F0-1E-UDD-A1

**CANDELA DISTRIBUTION (continued):**

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	216.1	216.2	216.3	215.9	215.1	214.3	213.5	212.6	213.5	214.3	215.1
115°	250.7	251.0	251.3	251.0	250.2	249.3	248.5	247.7	248.5	249.3	250.2
117.5°	285.7	286.4	287.2	287.0	285.9	284.8	283.7	282.6	283.7	284.8	285.9
120°	308.1	309.2	310.3	310.3	309.2	308.1	307.0	305.9	307.0	308.1	309.2
122.5°	331.2	332.0	332.7	332.5	331.1	329.9	328.5	327.2	328.5	329.9	331.1
125°	364.9	365.4	365.8	365.4	364.1	362.8	361.6	360.4	361.6	362.8	364.1
127.5°	398.5	399.0	399.5	398.9	397.4	395.9	394.3	392.7	394.3	395.9	397.4
130°	420.3	420.6	420.9	420.2	418.4	416.6	414.8	413.0	414.8	416.6	418.4
132.5°	442.5	442.4	442.4	441.6	440.1	438.7	437.3	435.8	437.3	438.7	440.1
135°	473.7	473.5	473.2	472.3	470.8	469.3	467.8	466.3	467.8	469.3	470.8
137.5°	504.8	504.5	504.1	503.3	502.1	500.8	499.6	498.4	499.6	500.8	502.1
140°	525.0	524.3	523.6	522.6	521.3	520.1	518.9	517.7	518.9	520.1	521.3
142.5°	544.2	543.8	543.3	542.4	541.2	540.0	538.7	537.5	538.7	540.0	541.2
145°	572.4	571.6	570.7	569.8	568.9	567.9	566.9	565.9	566.9	567.9	568.9
147.5°	597.9	597.4	596.8	596.0	594.8	593.7	592.5	591.4	592.5	593.7	594.8
150°	613.8	613.2	612.7	612.0	611.2	610.3	609.5	608.7	609.5	610.3	611.2
152.5°	629.4	628.8	628.0	627.3	626.5	625.7	624.9	624.0	624.9	625.7	626.5
155°	650.0	649.5	649.1	648.7	648.3	647.9	647.5	647.1	647.5	647.9	648.3
157.5°	668.6	668.4	668.1	667.9	667.6	667.3	667.0	666.8	667.0	667.3	667.6
160°	680.2	680.1	679.9	679.8	679.5	679.2	678.9	678.7	678.9	679.2	679.5
162.5°	690.1	690.0	689.8	689.8	689.7	689.7	689.6	689.5	689.6	689.7	689.7
165°	703.4	703.4	703.4	703.5	703.6	703.8	703.9	704.0	703.9	703.8	703.6
167.5°	714.2	714.3	714.3	714.5	714.9	715.3	715.7	716.1	715.7	715.3	714.9
170°	720.4	720.6	720.6	721.0	721.4	721.8	722.2	722.6	722.2	721.8	721.4
172.5°	724.8	725.0	725.2	725.4	725.8	726.3	726.7	727.1	726.7	726.3	725.8
175°	730.0	730.2	730.6	730.9	731.3	731.7	732.1	732.5	732.1	731.7	731.3
177.5°	732.7	732.9	733.2	733.4	733.7	734.1	734.4	734.7	734.4	734.1	733.7
180°	733.7	733.7	733.7	733.7	733.7	733.7	733.7	733.7	733.7	733.7	733.7



TEST NUMBER: P331658-927

CATALOG NUMBER: S122RDIP-S485D725U927-4F0-1E-UDD-A1

**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°	5.9	6.2	6.3	6.9	7.5	7.9	7.8	7.5	7.4	7.4	7.2
90°	7.2	9.6	12.6	15.6	18.6	21.7	21.4	21.2	20.8	20.6	20.5
92.5°	15.8	16.8	17.5	18.2	19.0	19.7	19.7	19.8	19.9	19.9	20.0
95°	37.7	38.5	38.8	39.1	39.4	39.6	39.6	39.6	39.6	39.6	39.5
97.5°	63.7	64.6	65.0	65.6	66.1	66.6	66.6	66.6	66.6	66.6	66.6
100°	83.0	83.8	84.2	84.6	85.0	85.5	85.5	85.5	85.5	85.5	85.4
102.5°	103.0	103.7	104.2	104.7	105.2	105.8	105.8	106.0	106.1	106.2	106.2
105°	134.8	135.1	135.4	135.7	135.9	136.3	136.5	136.8	137.0	137.4	137.4
107.5°	169.4	169.8	169.8	169.8	169.8	169.8	169.9	170.0	170.1	170.2	170.0
110°	192.2	192.6	192.6	192.6	192.6	192.6	192.6	192.6	192.6	192.6	192.3



TEST NUMBER: P331658-927

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**CANDELA DISTRIBUTION (continued):**

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	215.9	216.3	216.2	216.1	215.9	215.9	215.6	215.2	214.8	214.5	214.2
115°	251.0	251.3	251.0	250.7	250.4	250.2	250.0	249.9	249.8	249.6	249.3
117.5°	287.0	287.2	286.4	285.7	284.9	284.1	283.8	283.4	283.1	282.7	282.4
120°	310.3	310.3	309.2	308.1	307.0	305.9	305.9	305.9	305.9	305.9	305.7
122.5°	332.5	332.7	332.0	331.2	330.4	329.6	329.3	329.0	328.7	328.4	328.0
125°	365.4	365.8	365.4	364.9	364.5	364.1	363.7	363.3	362.8	362.4	362.2
127.5°	398.9	399.5	399.0	398.5	398.0	397.5	397.0	396.6	396.0	395.5	395.1
130°	420.2	420.9	420.6	420.3	420.1	419.9	419.5	419.3	419.0	418.7	418.3
132.5°	441.6	442.4	442.4	442.5	442.5	442.6	442.0	441.4	440.8	440.2	439.7
135°	472.3	473.2	473.5	473.7	474.0	474.3	474.2	474.0	473.9	473.7	473.5
137.5°	503.3	504.1	504.5	504.8	505.2	505.5	505.4	505.3	505.2	505.1	504.8
140°	522.6	523.6	524.3	525.0	525.6	526.3	526.3	526.3	526.3	526.3	526.0
142.5°	542.4	543.3	543.8	544.2	544.7	545.2	545.3	545.3	545.5	545.6	545.3
145°	569.8	570.7	571.6	572.4	573.1	574.0	574.2	574.3	574.4	574.6	574.3
147.5°	596.0	596.8	597.4	597.9	598.5	599.0	599.3	599.6	599.9	600.2	600.2
150°	612.0	612.7	613.2	613.8	614.3	614.9	615.3	615.7	616.1	616.6	616.6
152.5°	627.3	628.0	628.8	629.4	630.0	630.7	631.2	631.8	632.3	632.8	632.8
155°	648.7	649.1	649.5	650.0	650.4	650.8	651.5	652.1	652.8	653.6	653.7
157.5°	667.9	668.1	668.4	668.6	668.8	669.1	670.0	671.0	671.9	672.9	673.0
160°	679.8	679.9	680.1	680.2	680.4	680.5	681.4	682.1	683.0	683.8	684.0
162.5°	689.8	689.8	690.0	690.1	690.3	690.4	691.3	692.3	693.2	694.2	694.3
165°	703.5	703.4	703.4	703.4	703.4	703.4	704.4	705.4	706.3	707.3	707.4
167.5°	714.5	714.3	714.3	714.2	714.2	714.2	715.2	716.1	717.1	718.0	718.2
170°	721.0	720.6	720.6	720.4	720.3	720.1	721.1	722.1	723.0	724.0	724.1
172.5°	725.4	725.2	725.0	724.8	724.8	724.6	725.6	726.5	727.5	728.4	728.5
175°	730.9	730.6	730.2	730.0	729.7	729.4	730.4	731.3	732.3	733.2	733.3
177.5°	733.4	733.2	732.9	732.7	732.5	732.3	732.9	733.6	734.3	734.9	734.9
180°	733.7	733.7	733.7	733.7	733.7	733.7	733.7	733.7	733.7	733.7	733.7



TEST NUMBER: P331658-927

CATALOG NUMBER: S122RDIP-S485D725U927-4F0-1E-UDD-A1

**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°	7.2	7.0	7.3	7.1	7.3	7.0	7.2	7.2	7.4	7.4	7.5
90°	20.7	20.8	20.9	21.1	20.9	20.8	20.7	20.5	20.6	20.8	21.2
92.5°	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	19.9	19.9	19.8
95°	39.2	39.0	38.7	38.4	38.7	39.0	39.2	39.5	39.6	39.6	39.6
97.5°	66.6	66.5	66.5	66.5	66.5	66.5	66.6	66.6	66.6	66.6	66.6
100°	85.2	85.1	85.0	84.8	85.0	85.1	85.2	85.4	85.5	85.5	85.5
102.5°	106.1	105.9	105.8	105.6	105.8	105.9	106.1	106.2	106.2	106.1	106.0
105°	137.4	137.4	137.4	137.4	137.4	137.4	137.4	137.4	137.4	137.0	136.8
107.5°	169.4	168.7	168.1	167.5	168.1	168.7	169.4	170.0	170.2	170.1	170.0
110°	191.9	191.5	191.2	190.7	191.2	191.5	191.9	192.3	192.6	192.6	192.6



TEST NUMBER: P331658-927

CATALOG NUMBER: S122RDIP-S485D725U927-4F0-1E-UDD-A1

**CANDELA DISTRIBUTION (continued):**

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	213.9	213.6	213.3	213.0	213.3	213.6	213.9	214.2	214.5	214.8	215.2
115°	248.9	248.5	248.1	247.7	248.1	248.5	248.9	249.3	249.6	249.8	249.9
117.5°	282.0	281.5	281.1	280.7	281.1	281.5	282.0	282.4	282.7	283.1	283.4
120°	305.2	304.8	304.4	304.0	304.4	304.8	305.2	305.7	305.9	305.9	305.9
122.5°	327.7	327.4	327.1	326.9	327.1	327.4	327.7	328.0	328.4	328.7	329.0
125°	362.0	361.9	361.8	361.6	361.8	361.9	362.0	362.2	362.4	362.8	363.3
127.5°	394.7	394.2	393.8	393.3	393.8	394.2	394.7	395.1	395.5	396.0	396.6
130°	417.7	417.2	416.7	416.1	416.7	417.2	417.7	418.3	418.7	419.0	419.3
132.5°	439.2	438.8	438.3	437.9	438.3	438.8	439.2	439.7	440.2	440.8	441.4
135°	473.1	472.7	472.2	471.8	472.2	472.7	473.1	473.5	473.7	473.9	474.0
137.5°	504.2	503.7	503.1	502.6	503.1	503.7	504.2	504.8	505.1	505.2	505.3
140°	525.5	525.0	524.4	523.9	524.4	525.0	525.5	526.0	526.3	526.3	526.3
142.5°	544.8	544.2	543.8	543.2	543.8	544.2	544.8	545.3	545.6	545.5	545.3
145°	573.8	573.2	572.7	572.1	572.7	573.2	573.8	574.3	574.6	574.4	574.3
147.5°	599.6	599.0	598.6	598.0	598.6	599.0	599.6	600.2	600.2	599.9	599.6
150°	616.1	615.7	615.3	614.9	615.3	615.7	616.1	616.6	616.6	616.1	615.7
152.5°	632.3	631.8	631.2	630.7	631.2	631.8	632.3	632.8	632.8	632.3	631.8
155°	653.2	652.8	652.4	652.0	652.4	652.8	653.2	653.7	653.6	652.8	652.1
157.5°	672.3	671.7	671.0	670.3	671.0	671.7	672.3	673.0	672.9	671.9	671.0
160°	683.4	682.9	682.3	681.8	682.3	682.9	683.4	684.0	683.8	683.0	682.1
162.5°	693.6	693.0	692.3	691.7	692.3	693.0	693.6	694.3	694.2	693.2	692.3
165°	706.7	706.0	705.4	704.6	705.4	706.0	706.7	707.4	707.3	706.3	705.4
167.5°	717.5	716.8	716.1	715.3	716.1	716.8	717.5	718.2	718.0	717.1	716.1
170°	723.3	722.4	721.6	720.7	721.6	722.4	723.3	724.1	724.0	723.0	722.1
172.5°	727.7	726.8	726.0	725.2	726.0	726.8	727.7	728.5	728.4	727.5	726.5
175°	732.5	731.7	730.9	730.1	730.9	731.7	732.5	733.3	733.2	732.3	731.3
177.5°	734.3	733.6	732.9	732.3	732.9	733.6	734.3	734.9	734.9	734.3	733.6
180°	733.7	733.7	733.7	733.7	733.7	733.7	733.7	733.7	733.7	733.7	733.7



TEST NUMBER: P331658-927

CATALOG NUMBER: S122RDIP-S485D725U927-4F0-1E-UDD-A1

**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°	7.8	7.9	7.5	6.9	6.3	6.2	5.9	5.9	6.0	6.3	7.0
90°	21.4	21.7	18.6	15.6	12.6	9.6	7.2	5.5	4.0	2.3	0.6
92.5°	19.7	19.7	19.0	18.2	17.5	16.8	15.8	14.7	13.5	12.2	11.0
95°	39.6	39.6	39.4	39.1	38.8	38.5	37.7	36.4	34.9	33.6	32.2
97.5°	66.6	66.6	66.1	65.6	65.0	64.6	63.7	62.4	61.2	60.0	58.9
100°	85.5	85.5	85.0	84.6	84.2	83.8	83.0	81.9	80.8	79.8	78.7
102.5°	105.8	105.8	105.2	104.7	104.2	103.7	103.0	102.1	101.2	100.3	99.4
105°	136.5	136.3	135.9	135.7	135.4	135.1	134.8	134.4	134.0	133.6	133.2
107.5°	169.9	169.8	169.8	169.8	169.8	169.8	169.4	168.9	168.3	167.7	167.1
110°	192.6	192.6	192.6	192.6	192.6	192.6	192.2	191.3	190.5	189.6	188.9



TEST NUMBER: P331658-927

CATALOG NUMBER: S122RDIP-S485D725U927-4F0-1E-UDD-A1

**CANDELA DISTRIBUTION (continued):**

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	215.6	215.9	215.9	216.1	216.2	216.3	215.9	215.1	214.3	213.5	212.6
115°	250.0	250.2	250.4	250.7	251.0	251.3	251.0	250.2	249.3	248.5	247.7
117.5°	283.8	284.1	284.9	285.7	286.4	287.2	287.0	285.9	284.8	283.7	282.6
120°	305.9	305.9	307.0	308.1	309.2	310.3	310.3	309.2	308.1	307.0	305.9
122.5°	329.3	329.6	330.4	331.2	332.0	332.7	332.5	331.1	329.9	328.5	327.2
125°	363.7	364.1	364.5	364.9	365.4	365.8	365.4	364.1	362.8	361.6	360.4
127.5°	397.0	397.5	398.0	398.5	399.0	399.5	398.9	397.4	395.9	394.3	392.7
130°	419.5	419.9	420.1	420.3	420.6	420.9	420.2	418.4	416.6	414.8	413.0
132.5°	442.0	442.6	442.5	442.5	442.4	442.4	441.6	440.1	438.7	437.3	435.8
135°	474.2	474.3	474.0	473.7	473.5	473.2	472.3	470.8	469.3	467.8	466.3
137.5°	505.4	505.5	505.2	504.8	504.5	504.1	503.3	502.1	500.8	499.6	498.4
140°	526.3	526.3	525.6	525.0	524.3	523.6	522.6	521.3	520.1	518.9	517.7
142.5°	545.3	545.2	544.7	544.2	543.8	543.3	542.4	541.2	540.0	538.7	537.5
145°	574.2	574.0	573.1	572.4	571.6	570.7	569.8	568.9	567.9	566.9	565.9
147.5°	599.3	599.0	598.5	597.9	597.4	596.8	596.0	594.8	593.7	592.5	591.4
150°	615.3	614.9	614.3	613.8	613.2	612.7	612.0	611.2	610.3	609.5	608.7
152.5°	631.2	630.7	630.0	629.4	628.8	628.0	627.3	626.5	625.7	624.9	624.0
155°	651.5	650.8	650.4	650.0	649.5	649.1	648.7	648.3	647.9	647.5	647.1
157.5°	670.0	669.1	668.8	668.6	668.4	668.1	667.9	667.6	667.3	667.0	666.8
160°	681.4	680.5	680.4	680.2	680.1	679.9	679.8	679.5	679.2	678.9	678.7
162.5°	691.3	690.4	690.3	690.1	690.0	689.8	689.8	689.7	689.7	689.6	689.5
165°	704.4	703.4	703.4	703.4	703.4	703.4	703.5	703.6	703.8	703.9	704.0
167.5°	715.2	714.2	714.2	714.2	714.3	714.3	714.5	714.9	715.3	715.7	716.1
170°	721.1	720.1	720.3	720.4	720.6	720.6	721.0	721.4	721.8	722.2	722.6
172.5°	725.6	724.6	724.8	724.8	725.0	725.2	725.4	725.8	726.3	726.7	727.1
175°	730.4	729.4	729.7	730.0	730.2	730.6	730.9	731.3	731.7	732.1	732.5
177.5°	732.9	732.3	732.5	732.7	732.9	733.2	733.4	733.7	734.1	734.4	734.7
180°	733.7	733.7	733.7	733.7	733.7	733.7	733.7	733.7	733.7	733.7	733.7



TEST NUMBER: P331658-927

CATALOG NUMBER: S122RDIP-S485D725U927-4F0-1E-UDD-A1

**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	5.3	5.4	5.5	6.2	6.8	7.1	7.8	8.6	8.3	8.5
90°	2.3	4.0	5.5	7.2	9.6	12.6	15.6	18.6	21.7	21.4	21.2
92.5°	12.2	13.5	14.7	15.8	16.8	17.5	18.2	19.0	19.7	19.7	19.8
95°	33.6	34.9	36.4	37.7	38.5	38.8	39.1	39.4	39.6	39.6	39.6
97.5°	60.0	61.2	62.4	63.7	64.6	65.0	65.6	66.1	66.6	66.6	66.6
100°	79.8	80.8	81.9	83.0	83.8	84.2	84.6	85.0	85.5	85.5	85.5
102.5°	100.3	101.2	102.1	103.0	103.7	104.2	104.7	105.2	105.8	105.8	106.0
105°	133.6	134.0	134.4	134.8	135.1	135.4	135.7	135.9	136.3	136.5	136.8
107.5°	167.7	168.3	168.9	169.4	169.8	169.8	169.8	169.8	169.8	169.9	170.0
110°	189.6	190.5	191.3	192.2	192.6	192.6	192.6	192.6	192.6	192.6	192.6





TEST NUMBER: P331658-927

CATALOG NUMBER: S122RDIP-S485D725U927-4F0-1E-UDD-A1

**CANDELA DISTRIBUTION (continued):**

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	213.5	214.3	215.1	215.9	216.3	216.2	216.1	215.9	215.9	215.6	215.2
115°	248.5	249.3	250.2	251.0	251.3	251.0	250.7	250.4	250.2	250.0	249.9
117.5°	283.7	284.8	285.9	287.0	287.2	286.4	285.7	284.9	284.1	283.8	283.4
120°	307.0	308.1	309.2	310.3	310.3	309.2	308.1	307.0	305.9	305.9	305.9
122.5°	328.5	329.9	331.1	332.5	332.7	332.0	331.2	330.4	329.6	329.3	329.0
125°	361.6	362.8	364.1	365.4	365.8	365.4	364.9	364.5	364.1	363.7	363.3
127.5°	394.3	395.9	397.4	398.9	399.5	399.0	398.5	398.0	397.5	397.0	396.6
130°	414.8	416.6	418.4	420.2	420.9	420.6	420.3	420.1	419.9	419.5	419.3
132.5°	437.3	438.7	440.1	441.6	442.4	442.4	442.5	442.5	442.6	442.0	441.4
135°	467.8	469.3	470.8	472.3	473.2	473.5	473.7	474.0	474.3	474.2	474.0
137.5°	499.6	500.8	502.1	503.3	504.1	504.5	504.8	505.2	505.5	505.4	505.3
140°	518.9	520.1	521.3	522.6	523.6	524.3	525.0	525.6	526.3	526.3	526.3
142.5°	538.7	540.0	541.2	542.4	543.3	543.8	544.2	544.7	545.2	545.3	545.3
145°	566.9	567.9	568.9	569.8	570.7	571.6	572.4	573.1	574.0	574.2	574.3
147.5°	592.5	593.7	594.8	596.0	596.8	597.4	597.9	598.5	599.0	599.3	599.6
150°	609.5	610.3	611.2	612.0	612.7	613.2	613.8	614.3	614.9	615.3	615.7
152.5°	624.9	625.7	626.5	627.3	628.0	628.8	629.4	630.0	630.7	631.2	631.8
155°	647.5	647.9	648.3	648.7	649.1	649.5	650.0	650.4	650.8	651.5	652.1
157.5°	667.0	667.3	667.6	667.9	668.1	668.4	668.6	668.8	669.1	670.0	671.0
160°	678.9	679.2	679.5	679.8	679.9	680.1	680.2	680.4	680.5	681.4	682.1
162.5°	689.6	689.7	689.7	689.8	689.8	690.0	690.1	690.3	690.4	691.3	692.3
165°	703.9	703.8	703.6	703.5	703.4	703.4	703.4	703.4	703.4	704.4	705.4
167.5°	715.7	715.3	714.9	714.5	714.3	714.3	714.2	714.2	714.2	715.2	716.1
170°	722.2	721.8	721.4	721.0	720.6	720.6	720.4	720.3	720.1	721.1	722.1
172.5°	726.7	726.3	725.8	725.4	725.2	725.0	724.8	724.8	724.6	725.6	726.5
175°	732.1	731.7	731.3	730.9	730.6	730.2	730.0	729.7	729.4	730.4	731.3
177.5°	734.4	734.1	733.7	733.4	733.2	732.9	732.7	732.5	732.3	732.9	733.6
180°	733.7	733.7	733.7	733.7	733.7	733.7	733.7	733.7	733.7	733.7	733.7



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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°	8.2	8.2	8.2	8.2	8.2	8.2	8.0
90°	20.8	20.6	20.5	20.7	20.8	20.9	21.1
92.5°	19.9	19.9	20.0	20.0	20.0	20.0	20.0
95°	39.6	39.6	39.5	39.2	39.0	38.7	38.4
97.5°	66.6	66.6	66.6	66.6	66.5	66.5	66.5
100°	85.5	85.5	85.4	85.2	85.1	85.0	84.8
102.5°	106.1	106.2	106.2	106.1	105.9	105.8	105.6
105°	137.0	137.4	137.4	137.4	137.4	137.4	137.4
107.5°	170.1	170.2	170.0	169.4	168.7	168.1	167.5
110°	192.6	192.6	192.3	191.9	191.5	191.2	190.7



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**CANDELA DISTRIBUTION (continued):**

	330°	335°	340°	345°	350°	355°	360°
112.5°	214.8	214.5	214.2	213.9	213.6	213.3	213.0
115°	249.8	249.6	249.3	248.9	248.5	248.1	247.7
117.5°	283.1	282.7	282.4	282.0	281.5	281.1	280.7
120°	305.9	305.9	305.7	305.2	304.8	304.4	304.0
122.5°	328.7	328.4	328.0	327.7	327.4	327.1	326.9
125°	362.8	362.4	362.2	362.0	361.9	361.8	361.6
127.5°	396.0	395.5	395.1	394.7	394.2	393.8	393.3
130°	419.0	418.7	418.3	417.7	417.2	416.7	416.1
132.5°	440.8	440.2	439.7	439.2	438.8	438.3	437.9
135°	473.9	473.7	473.5	473.1	472.7	472.2	471.8
137.5°	505.2	505.1	504.8	504.2	503.7	503.1	502.6
140°	526.3	526.3	526.0	525.5	525.0	524.4	523.9
142.5°	545.5	545.6	545.3	544.8	544.2	543.8	543.2
145°	574.4	574.6	574.3	573.8	573.2	572.7	572.1
147.5°	599.9	600.2	600.2	599.6	599.0	598.6	598.0
150°	616.1	616.6	616.6	616.1	615.7	615.3	614.9
152.5°	632.3	632.8	632.8	632.3	631.8	631.2	630.7
155°	652.8	653.6	653.7	653.2	652.8	652.4	652.0
157.5°	671.9	672.9	673.0	672.3	671.7	671.0	670.3
160°	683.0	683.8	684.0	683.4	682.9	682.3	681.8
162.5°	693.2	694.2	694.3	693.6	693.0	692.3	691.7
165°	706.3	707.3	707.4	706.7	706.0	705.4	704.6
167.5°	717.1	718.0	718.2	717.5	716.8	716.1	715.3
170°	723.0	724.0	724.1	723.3	722.4	721.6	720.7
172.5°	727.5	728.4	728.5	727.7	726.8	726.0	725.2
175°	732.3	733.2	733.3	732.5	731.7	730.9	730.1
177.5°	734.3	734.9	734.9	734.3	733.6	732.9	732.3
180°	733.7	733.7	733.7	733.7	733.7	733.7	733.7

(END OF REPORT)