

Scaled data based on original data using
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-State
Lighting Products

Test Report Prepared for

Cooper Lighting Solutions

(formerly Eaton)

Brand: NEO-RAY

Report Number: P331664-935

Luminaire Tested: **S122RDIP-S485D925U935-4F0-1E-UDD-A1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P331664-935
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-S485D925U935-4F0-1E-UDD-A1
Description: DEFINE 2 DIRECT-INDIRECT PENDANT LED LUMINAIRE
DOWNLIGHT 485 LUMENS PER FOOT, ASYMMETRIC DIFFUSER, REGRESSED HOUSING
UPLIGHT 925 LUMENS PER FOOT, FLUSH SATIN WHITE DIFFUSER
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4450.4 lumens
Efficiency: N/A
Efficacy: 100.0 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

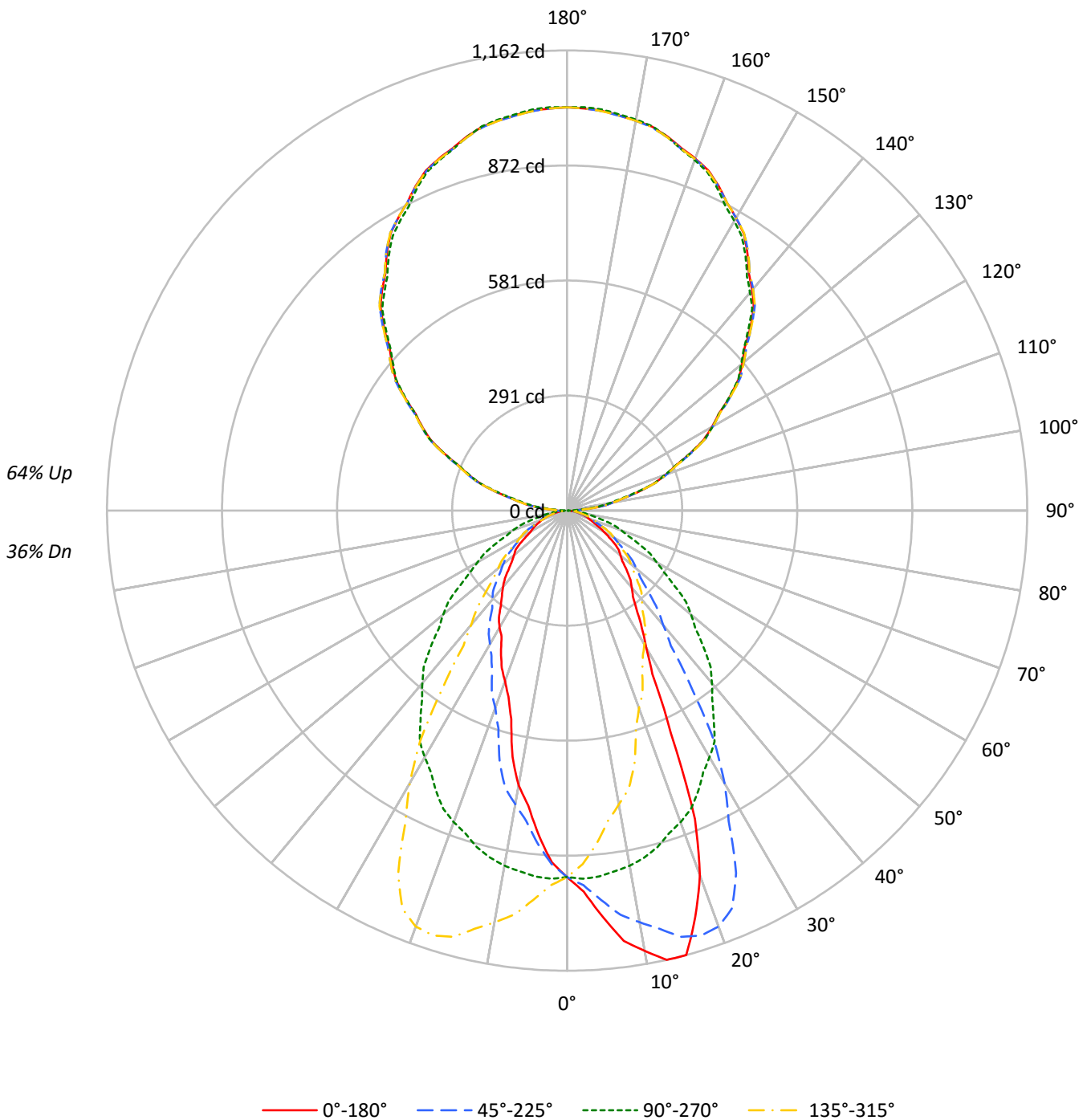
Input Watts (W): 44.5
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	14941	14941	14941	14941
5°	16686	15034	13331	15034
10°	18513	14929	11555	14929
15°	19423	14710	9105	14710
20°	16838	14385	7878	14385
25°	11043	13942	7035	13942
30°	7433	13403	6367	13403
35°	6022	12727	5742	12727
40°	5354	11989	5313	11989
45°	4845	11125	4743	11125
50°	4411	10263	4393	10263
55°	4144	9315	4090	9315
60°	3468	8441	3426	8441
65°	2923	7664	3316	7664
70°	2705	6845	3125	6845
75°	2533	5958	2888	5958
80°	2334	4900	2566	4900
85°	2130	3872	2260	3872



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	87.7	2.0
10°-20°	244.4	5.5
20°-30°	315.0	7.1
30°-40°	299.3	6.7
40°-50°	256.4	5.8
50°-60°	195.3	4.4
60°-70°	123.4	2.8
70°-80°	61.6	1.4
80°-90°	20.1	0.5
90°-100°	64.5	1.4
100°-110°	200.4	4.5
110°-120°	342.5	7.7
120°-130°	450.4	10.1
130°-140°	505.6	11.4
140°-150°	495.7	11.1
150°-160°	415.8	9.3
160°-170°	275.8	6.2
170°-180°	96.4	2.2
0°-30°	647.1	14.5
0°-40°	946.4	21.3
0°-60°	1398.1	31.4
0°-90°	1603.3	36.0
90°-120°	607.4	13.6
90°-150°	2059.1	46.3
90°-180°	2847.0	64.0
0°-180°	4450.4	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	925	925	925	925	925	
5°	1030	928	822	928	1030	102
15°	1162	880	545	880	1162	313
25°	620	783	395	783	620	294
35°	306	646	291	646	306	195
45°	212	487	208	487	212	164
55°	147	331	145	331	147	129
65°	76	201	87	201	76	78
75°	41	96	46	96	41	43
85°	12	21	12	21	12	13
90°	29	1	29	1	29	13
95°	53	45	53	45	53	59
105°	191	185	191	185	191	201
115°	344	344	344	344	344	339
125°	502	500	502	500	502	447
135°	655	647	655	647	655	504
145°	794	785	794	785	794	496
155°	905	898	905	898	905	416
165°	978	977	978	977	978	276
175°	1013	1016	1013	1016	1013	96
180°	1018	1018	1018	1018	1018	



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	925.4	925.4	925.4	925.4	925.4	925.4	925.4	925.4	925.4	925.4	925.4
2.5°	962.9	963.7	964.5	962.7	962.7	961.1	957.8	955.2	948.0	946.9	946.9
5°	1029.5	1028.9	1030.2	1026.0	1020.2	1018.9	1012.8	1004.8	996.4	987.1	985.2
7.5°	1095.8	1094.8	1092.3	1091.5	1087.1	1077.4	1067.6	1057.0	1043.2	1029.6	1022.8
10°	1129.2	1139.8	1133.4	1122.1	1124.4	1109.3	1101.2	1087.4	1075.8	1055.6	1051.1
12.5°	1162.1	1166.3	1164.2	1157.9	1155.0	1144.5	1133.7	1121.6	1100.3	1082.1	1066.3
15°	1162.0	1168.1	1169.8	1167.8	1169.4	1168.7	1163.0	1153.0	1134.4	1114.4	1097.1
17.5°	1076.2	1080.5	1091.0	1098.1	1107.2	1126.2	1135.6	1139.3	1136.4	1125.1	1112.8
20°	980.0	972.9	1002.5	1017.6	1030.5	1062.6	1090.3	1100.9	1117.9	1117.7	1114.4
22.5°	843.7	845.3	873.4	891.3	928.9	961.0	992.6	1032.5	1065.5	1087.3	1100.0
25°	619.9	632.1	660.1	684.5	726.3	786.2	840.5	903.5	962.9	1010.0	1054.6
27.5°	465.5	466.5	488.6	511.3	536.1	585.0	653.5	728.8	813.6	883.5	964.0
30°	398.7	396.7	406.1	419.9	441.2	479.1	530.5	604.5	689.1	794.5	888.4
32.5°	351.4	351.5	358.5	368.8	386.3	411.9	447.2	507.2	587.2	690.9	800.9
35°	305.5	305.1	310.3	317.7	325.0	341.5	365.6	397.1	452.1	548.9	661.4
37.5°	272.5	274.0	276.5	281.1	289.2	298.3	312.9	334.0	373.2	430.4	525.0
40°	254.0	254.7	258.2	262.1	266.9	274.0	285.9	302.9	331.5	377.1	446.3
42.5°	237.0	237.6	240.2	243.7	247.5	254.7	264.5	279.2	302.5	338.0	395.1
45°	212.2	212.2	214.5	216.0	220.2	226.7	234.7	246.9	263.0	289.4	327.4
47.5°	188.9	189.0	190.5	193.2	195.9	200.9	208.8	218.8	230.5	250.9	283.3
50°	175.6	175.9	176.8	179.1	180.7	185.2	191.3	200.0	212.2	228.0	254.9
52.5°	164.7	164.5	165.7	166.8	167.8	171.1	175.6	183.3	194.2	207.9	230.3
55°	147.2	145.9	147.9	149.5	150.5	151.8	154.3	159.2	168.5	180.0	196.7
57.5°	125.4	124.8	126.2	127.7	130.7	134.2	136.4	139.5	144.3	152.6	169.2
60°	107.4	107.4	110.3	111.2	114.8	119.2	123.8	126.4	131.2	136.6	148.9
62.5°	91.4	91.7	93.1	94.0	96.0	101.5	107.9	113.5	118.0	123.3	131.4
65°	76.5	77.1	77.1	77.8	79.1	80.4	82.9	87.5	95.5	102.9	109.0
67.5°	64.9	65.2	65.3	66.0	66.3	67.7	68.7	70.8	72.6	79.6	87.2
70°	57.3	58.2	57.9	58.5	58.8	59.5	60.8	61.7	64.7	66.2	70.8
72.5°	50.0	50.7	50.7	51.1	51.9	52.0	53.0	54.0	55.9	57.3	59.7
75°	40.6	40.2	40.6	41.2	41.5	41.8	41.8	43.0	44.1	45.4	46.9
77.5°	31.3	31.6	31.5	31.6	31.6	32.2	32.1	32.7	33.7	34.4	35.1
80°	25.1	25.4	25.1	25.4	25.7	26.0	25.7	26.0	27.0	27.6	27.6
82.5°	19.5	19.5	19.7	19.7	19.8	19.9	20.3	20.4	21.1	20.9	21.2
85°	11.5	11.3	11.3	11.3	11.5	11.9	11.5	11.5	11.9	11.9	11.9
87.5°	10.0	10.2	10.2	10.1	10.1	10.1	10.2	10.5	10.3	10.7	9.6
90°	29.2	29.0	28.8	28.7	28.4	28.6	28.9	29.3	29.7	30.0	25.8
92.5°	27.8	27.8	27.7	27.7	27.7	27.6	27.6	27.5	27.4	27.3	26.3
95°	53.3	53.6	54.1	54.4	54.8	55.0	55.0	55.0	55.0	55.0	54.6
97.5°	92.3	92.3	92.4	92.4	92.5	92.5	92.5	92.5	92.5	92.5	91.7
100°	117.7	117.9	118.1	118.3	118.5	118.6	118.6	118.6	118.6	118.6	118.0
102.5°	146.6	146.8	147.0	147.1	147.3	147.4	147.2	147.1	146.9	146.8	146.0
105°	190.7	190.7	190.7	190.7	190.7	190.5	190.2	189.8	189.4	189.0	188.6
107.5°	232.3	233.2	234.1	235.0	235.8	236.2	236.1	235.9	235.7	235.6	235.6
110°	264.7	265.2	265.8	266.4	266.9	267.3	267.3	267.3	267.3	267.3	267.3



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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	295.6	296.0	296.4	296.9	297.2	297.7	298.2	298.6	299.1	299.5	299.7
115°	343.7	344.2	344.8	345.4	345.9	346.4	346.6	346.7	347.0	347.2	347.5
117.5°	389.6	390.1	390.7	391.3	391.8	392.4	392.9	393.3	393.7	394.3	395.3
120°	421.9	422.5	423.0	423.6	424.2	424.5	424.5	424.5	424.5	424.5	426.0
122.5°	453.5	453.9	454.3	454.8	455.2	455.6	456.1	456.5	457.0	457.4	458.6
125°	501.8	502.0	502.1	502.4	502.6	502.9	503.5	504.1	504.6	505.2	505.8
127.5°	545.8	546.4	547.0	547.6	548.2	548.9	549.6	550.3	551.0	551.6	552.3
130°	577.4	578.2	578.9	579.7	580.5	581.0	581.4	581.8	582.2	582.6	583.0
132.5°	607.7	608.3	608.9	609.5	610.1	610.8	611.7	612.5	613.4	614.2	614.1
135°	654.7	655.3	655.9	656.4	657.0	657.4	657.6	657.8	658.0	658.1	657.8
137.5°	697.3	698.1	698.9	699.6	700.4	700.9	701.0	701.2	701.4	701.5	701.0
140°	726.9	727.7	728.4	729.2	730.0	730.4	730.4	730.4	730.4	730.4	729.4
142.5°	753.7	754.5	755.3	756.0	756.8	757.1	756.9	756.8	756.6	756.5	755.8
145°	793.9	794.7	795.5	796.3	797.0	797.3	797.1	796.9	796.7	796.5	795.4
147.5°	829.8	830.6	831.3	832.1	832.8	832.9	832.5	832.1	831.6	831.2	830.4
150°	853.3	853.8	854.4	855.0	855.5	855.5	855.0	854.4	853.8	853.3	852.5
152.5°	875.2	876.0	876.7	877.4	878.1	878.1	877.4	876.7	876.0	875.2	874.3
155°	904.7	905.3	905.9	906.5	907.1	906.9	905.9	905.0	904.0	903.0	902.5
157.5°	930.2	931.1	932.0	933.0	933.8	933.7	932.4	931.1	929.8	928.5	928.2
160°	946.0	946.8	947.5	948.3	949.1	948.9	947.7	946.6	945.5	944.3	944.1
162.5°	959.8	960.7	961.6	962.5	963.5	963.2	961.9	960.6	959.3	958.0	957.9
165°	977.8	978.8	979.7	980.7	981.6	981.5	980.1	978.8	977.4	976.1	976.1
167.5°	992.6	993.6	994.5	995.6	996.5	996.3	995.1	993.7	992.4	991.0	991.1
170°	1000.1	1001.3	1002.5	1003.6	1004.7	1004.6	1003.3	1001.9	1000.7	999.3	999.4
172.5°	1006.3	1007.5	1008.7	1009.8	1010.9	1010.8	1009.5	1008.1	1006.9	1005.5	1005.6
175°	1013.1	1014.2	1015.3	1016.5	1017.6	1017.5	1016.2	1014.9	1013.5	1012.2	1012.5
177.5°	1016.2	1017.0	1018.0	1018.9	1019.8	1019.8	1018.9	1018.0	1017.0	1016.2	1016.4
180°	1018.2	1018.2	1018.2	1018.2	1018.2	1018.2	1018.2	1018.2	1018.2	1018.2	1018.2



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CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	925.4	925.4	925.4	925.4	925.4	925.4	925.4	925.4	925.4	925.4	925.4
2.5°	947.4	945.5	943.7	939.0	936.7	931.5	930.7	930.5	923.9	917.4	915.6
5°	980.0	974.9	967.2	958.1	948.8	939.2	932.7	927.6	914.7	902.5	895.4
7.5°	1012.8	1001.8	988.4	971.4	957.2	941.2	929.4	918.8	900.5	883.0	871.2
10°	1037.2	1019.3	1001.6	978.1	959.8	941.8	925.1	910.6	890.0	866.9	850.4
12.5°	1052.4	1032.6	1008.2	985.3	961.6	938.7	916.3	897.7	873.6	849.6	830.1
15°	1073.0	1051.7	1022.2	989.4	958.8	928.9	903.2	880.0	848.5	819.9	796.1
17.5°	1089.8	1060.5	1028.7	990.8	955.5	917.5	884.3	854.7	819.7	785.1	757.2
20°	1095.1	1066.2	1029.5	991.6	949.8	905.1	869.4	837.2	799.6	762.0	729.9
22.5°	1091.7	1069.3	1028.5	983.1	940.3	893.5	853.3	815.9	774.2	735.8	698.5
25°	1069.1	1061.4	1022.8	973.3	924.4	870.0	823.5	782.6	735.0	693.9	653.3
27.5°	1016.2	1032.9	1008.9	956.1	901.8	843.5	791.2	744.7	695.3	648.9	608.6
30°	965.3	1003.5	993.2	944.3	883.6	826.3	767.5	718.9	666.2	618.6	578.8
32.5°	895.5	958.7	968.8	927.9	865.0	802.1	740.5	692.2	637.1	586.9	548.1
35°	784.5	879.1	922.5	896.4	833.4	765.6	701.9	645.7	590.3	540.8	502.2
37.5°	652.1	780.8	853.3	855.1	797.2	726.7	657.4	601.5	544.8	496.3	454.5
40°	566.2	705.8	800.0	820.9	772.0	695.8	625.7	568.8	513.5	465.9	418.0
42.5°	489.0	628.1	743.9	780.2	741.4	665.7	595.4	535.9	482.1	437.0	388.1
45°	395.5	517.0	644.6	709.6	688.1	617.9	543.7	487.2	436.6	397.7	350.8
47.5°	333.6	419.3	542.8	630.7	630.3	566.3	493.3	439.0	392.2	355.8	317.7
50°	298.3	373.0	477.5	577.1	585.5	531.8	462.4	408.6	365.0	326.7	296.1
52.5°	266.7	328.2	422.1	517.7	541.5	495.0	427.7	378.1	335.6	300.4	274.2
55°	225.4	272.9	344.4	433.8	469.8	437.0	377.1	330.9	296.4	266.9	244.4
57.5°	190.6	226.4	283.6	355.6	397.5	376.9	327.6	290.0	260.5	233.8	216.0
60°	168.8	198.0	246.6	306.8	353.0	338.5	296.4	261.4	236.3	213.2	196.5
62.5°	148.3	173.4	215.0	263.8	306.3	300.2	265.9	236.4	214.5	193.4	179.3
65°	119.2	137.6	170.0	208.4	242.5	245.3	220.6	200.6	181.0	164.3	151.8
67.5°	95.0	106.9	129.8	162.0	187.6	196.7	181.6	166.3	150.8	137.8	127.0
70°	80.1	89.7	106.4	132.5	155.9	165.6	156.9	145.0	131.5	120.9	111.6
72.5°	64.9	74.3	86.6	105.7	125.9	136.3	133.3	124.7	113.7	105.0	96.2
75°	48.9	51.7	60.1	73.0	88.8	97.7	100.0	95.5	86.8	80.1	74.9
77.5°	36.2	37.9	41.8	48.6	58.9	66.9	70.3	69.7	63.7	59.8	55.0
80°	28.9	29.9	31.9	34.7	42.4	50.5	52.7	52.7	48.6	46.9	42.1
82.5°	22.0	22.7	23.8	25.5	29.1	36.1	38.6	39.1	36.4	34.4	30.6
85°	12.6	12.2	12.8	13.9	14.5	16.4	20.2	20.9	20.2	17.7	16.7
87.5°	8.7	8.1	7.3	6.4	6.2	5.9	6.8	7.7	7.1	6.7	6.7
90°	21.7	17.5	13.3	10.0	7.7	5.4	3.2	0.9	3.2	5.4	7.7
92.5°	25.3	24.4	23.3	22.0	20.3	18.7	17.0	15.3	17.0	18.7	20.3
95°	54.2	53.8	53.5	52.3	50.4	48.5	46.6	44.7	46.6	48.5	50.4
97.5°	91.0	90.3	89.5	88.3	86.7	85.0	83.3	81.6	83.3	85.0	86.7
100°	117.4	116.8	116.3	115.2	113.7	112.2	110.6	109.1	110.6	112.2	113.7
102.5°	145.3	144.6	143.9	142.8	141.6	140.4	139.2	138.0	139.2	140.4	141.6
105°	188.3	187.9	187.5	187.0	186.5	185.9	185.3	184.8	185.3	185.9	186.5
107.5°	235.6	235.6	235.6	235.2	234.4	233.5	232.6	231.8	232.6	233.5	234.4
110°	267.3	267.3	267.3	266.7	265.5	264.3	263.2	262.1	263.2	264.3	265.5



TEST NUMBER: P331664-935

CATALOG NUMBER: S122RDIP-S485D925U935-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	299.8	300.0	300.1	299.6	298.5	297.4	296.2	295.1	296.2	297.4	298.5
115°	347.9	348.3	348.6	348.3	347.2	345.9	344.8	343.7	344.8	345.9	347.2
117.5°	396.3	397.4	398.5	398.3	396.7	395.2	393.6	392.2	393.6	395.2	396.7
120°	427.5	429.0	430.6	430.6	429.0	427.5	426.0	424.5	426.0	427.5	429.0
122.5°	459.6	460.6	461.8	461.3	459.5	457.7	455.8	454.0	455.8	457.7	459.5
125°	506.4	507.0	507.6	507.0	505.2	503.5	501.8	500.1	501.8	503.5	505.2
127.5°	553.0	553.7	554.4	553.6	551.5	549.3	547.1	544.9	547.1	549.3	551.5
130°	583.3	583.7	584.1	583.1	580.6	578.1	575.6	573.1	575.6	578.1	580.6
132.5°	614.1	614.0	613.9	612.9	610.8	608.8	606.7	604.8	606.7	608.8	610.8
135°	657.4	657.0	656.7	655.4	653.3	651.2	649.1	647.0	649.1	651.2	653.3
137.5°	700.5	700.0	699.5	698.4	696.6	694.9	693.2	691.6	693.2	694.9	696.6
140°	728.4	727.5	726.5	725.2	723.5	721.8	720.1	718.3	720.1	721.8	723.5
142.5°	755.2	754.5	753.9	752.7	751.0	749.2	747.5	745.8	747.5	749.2	751.0
145°	794.2	793.1	791.9	790.7	789.4	788.0	786.7	785.3	786.7	788.0	789.4
147.5°	829.7	829.0	828.2	827.0	825.4	823.8	822.2	820.5	822.2	823.8	825.4
150°	851.7	850.9	850.2	849.2	848.1	846.9	845.8	844.6	845.8	846.9	848.1
152.5°	873.4	872.5	871.6	870.6	869.4	868.2	867.1	865.9	867.1	868.2	869.4
155°	901.9	901.4	900.8	900.2	899.7	899.1	898.5	897.9	898.5	899.1	899.7
157.5°	927.8	927.5	927.1	926.8	926.3	926.0	925.6	925.2	925.6	926.0	926.3
160°	943.9	943.7	943.6	943.2	942.9	942.5	942.1	941.8	942.1	942.5	942.9
162.5°	957.7	957.5	957.3	957.2	957.1	957.0	956.9	956.8	956.9	957.0	957.1
165°	976.1	976.1	976.1	976.2	976.4	976.5	976.8	977.0	976.8	976.5	976.4
167.5°	991.1	991.2	991.2	991.5	992.0	992.6	993.2	993.8	993.2	992.6	992.0
170°	999.7	999.9	1000.1	1000.4	1001.0	1001.6	1002.1	1002.7	1002.1	1001.6	1001.0
172.5°	1005.8	1006.1	1006.3	1006.6	1007.2	1007.8	1008.3	1008.9	1008.3	1007.8	1007.2
175°	1013.0	1013.3	1013.7	1014.2	1014.8	1015.3	1015.9	1016.5	1015.9	1015.3	1014.8
177.5°	1016.8	1017.0	1017.4	1017.7	1018.2	1018.6	1019.1	1019.6	1019.1	1018.6	1018.2
180°	1018.2	1018.2	1018.2	1018.2	1018.2	1018.2	1018.2	1018.2	1018.2	1018.2	1018.2



TEST NUMBER: P331664-935

CATALOG NUMBER: S122RDIP-S485D925U935-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	925.4	925.4	925.4	925.4	925.4	925.4	925.4	925.4	925.4	925.4	925.4
2.5°	912.2	910.4	907.1	902.0	898.9	893.5	889.8	891.9	892.4	891.9	891.4
5°	887.8	881.0	871.7	862.6	854.3	845.3	840.2	837.9	833.4	830.9	829.6
7.5°	858.1	846.4	833.3	817.6	804.3	790.3	783.2	779.6	770.4	765.4	761.0
10°	835.9	817.6	804.4	783.9	771.4	753.0	740.5	740.8	728.2	721.2	716.0
12.5°	811.6	791.4	769.5	751.0	733.6	718.8	703.7	697.6	684.2	677.4	663.6
15°	771.0	747.5	724.4	699.3	681.7	658.8	637.0	610.3	588.8	570.1	564.9
17.5°	726.8	697.8	674.5	645.1	614.8	576.4	551.0	535.5	522.5	512.7	505.4
20°	696.5	666.8	642.1	597.7	556.9	530.8	512.2	500.3	486.8	476.2	470.4
22.5°	664.5	633.7	599.9	550.4	518.6	497.7	481.0	467.4	458.2	450.0	444.7
25°	619.2	585.5	529.9	495.8	470.1	448.2	436.6	428.3	418.6	407.3	402.3
27.5°	571.4	517.7	477.8	452.5	427.9	413.7	403.3	390.8	382.2	377.1	371.8
30°	535.6	482.0	450.8	423.1	405.8	390.0	377.8	370.7	362.4	353.7	350.2
32.5°	495.8	452.9	423.0	400.0	382.4	368.9	359.3	347.8	341.8	336.5	329.1
35°	446.3	413.8	386.5	367.8	351.1	340.2	328.9	322.2	311.3	306.8	303.8
37.5°	404.3	376.2	355.8	336.1	322.9	310.8	303.9	293.2	288.4	282.1	276.0
40°	380.6	353.0	333.5	317.4	302.6	293.5	284.9	276.2	269.1	266.2	258.8
42.5°	356.5	334.0	314.4	296.8	286.9	277.3	266.4	260.0	252.6	248.0	243.4
45°	323.1	303.2	286.5	272.0	261.1	251.2	244.0	233.4	229.3	219.9	216.0
47.5°	293.8	275.3	259.3	245.6	234.9	228.4	218.1	209.7	203.1	197.3	192.4
50°	272.9	257.5	242.1	229.9	220.2	210.9	200.4	196.1	185.8	183.0	180.0
52.5°	253.9	239.3	225.2	213.2	203.5	194.5	185.1	179.7	172.7	169.8	167.7
55°	227.3	213.2	199.7	189.1	179.4	170.0	164.3	157.6	154.3	152.1	149.5
57.5°	200.5	187.9	177.5	166.8	157.0	149.6	142.9	138.9	135.5	132.6	129.5
60°	183.6	171.3	162.0	152.1	142.2	136.0	130.9	126.1	122.2	117.7	116.4
62.5°	165.6	154.9	146.4	136.6	127.9	122.3	117.5	113.0	108.3	101.8	100.0
65°	140.9	132.5	123.5	115.5	107.7	102.3	95.1	90.1	88.1	87.5	87.1
67.5°	118.5	110.6	102.8	94.6	87.6	82.5	78.9	78.1	76.8	76.4	75.5
70°	103.5	96.2	88.4	80.7	74.0	73.0	71.7	70.4	68.8	68.2	67.5
72.5°	90.1	82.5	74.8	68.6	65.7	64.5	63.2	61.9	60.9	60.2	59.8
75°	69.1	62.1	56.9	54.7	53.0	52.1	50.2	49.2	48.6	47.6	47.3
77.5°	49.8	45.8	43.4	42.0	40.3	39.3	38.2	37.2	36.5	36.3	35.8
80°	38.0	36.0	34.4	32.5	31.9	30.6	30.2	29.3	29.6	28.6	28.6
82.5°	29.4	27.0	25.7	24.8	24.1	23.1	22.7	22.3	22.4	21.7	21.7
85°	15.2	14.5	13.9	13.2	13.2	12.2	12.6	12.2	12.2	11.5	11.3
87.5°	6.9	7.3	7.6	8.4	9.3	9.9	9.8	9.5	9.4	9.3	9.0
90°	10.0	13.3	17.5	21.7	25.8	30.0	29.7	29.3	28.9	28.6	28.4
92.5°	22.0	23.3	24.4	25.3	26.3	27.3	27.4	27.5	27.6	27.6	27.7
95°	52.3	53.5	53.8	54.2	54.6	55.0	55.0	55.0	55.0	55.0	54.8
97.5°	88.3	89.5	90.3	91.0	91.7	92.5	92.5	92.5	92.5	92.5	92.5
100°	115.2	116.3	116.8	117.4	118.0	118.6	118.6	118.6	118.6	118.6	118.5
102.5°	142.8	143.9	144.6	145.3	146.0	146.8	146.9	147.1	147.2	147.4	147.3
105°	187.0	187.5	187.9	188.3	188.6	189.0	189.4	189.8	190.2	190.5	190.7
107.5°	235.2	235.6	235.6	235.6	235.6	235.6	235.7	235.9	236.1	236.2	235.8
110°	266.7	267.3	267.3	267.3	267.3	267.3	267.3	267.3	267.3	267.3	266.9



TEST NUMBER: P331664-935

CATALOG NUMBER: S122RDIP-S485D925U935-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	299.6	300.1	300.0	299.8	299.7	299.5	299.1	298.6	298.2	297.7	297.2
115°	348.3	348.6	348.3	347.9	347.5	347.2	347.0	346.7	346.6	346.4	345.9
117.5°	398.3	398.5	397.4	396.3	395.3	394.3	393.7	393.3	392.9	392.4	391.8
120°	430.6	430.6	429.0	427.5	426.0	424.5	424.5	424.5	424.5	424.5	424.2
122.5°	461.3	461.8	460.6	459.6	458.6	457.4	457.0	456.5	456.1	455.6	455.2
125°	507.0	507.6	507.0	506.4	505.8	505.2	504.6	504.1	503.5	502.9	502.6
127.5°	553.6	554.4	553.7	553.0	552.3	551.6	551.0	550.3	549.6	548.9	548.2
130°	583.1	584.1	583.7	583.3	583.0	582.6	582.2	581.8	581.4	581.0	580.5
132.5°	612.9	613.9	614.0	614.1	614.1	614.2	613.4	612.5	611.7	610.8	610.1
135°	655.4	656.7	657.0	657.4	657.8	658.1	658.0	657.8	657.6	657.4	657.0
137.5°	698.4	699.5	700.0	700.5	701.0	701.5	701.4	701.2	701.0	700.9	700.4
140°	725.2	726.5	727.5	728.4	729.4	730.4	730.4	730.4	730.4	730.4	730.0
142.5°	752.7	753.9	754.5	755.2	755.8	756.5	756.6	756.8	756.9	757.1	756.8
145°	790.7	791.9	793.1	794.2	795.4	796.5	796.7	796.9	797.1	797.3	797.0
147.5°	827.0	828.2	829.0	829.7	830.4	831.2	831.6	832.1	832.5	832.9	832.8
150°	849.2	850.2	850.9	851.7	852.5	853.3	853.8	854.4	855.0	855.5	855.5
152.5°	870.6	871.6	872.5	873.4	874.3	875.2	876.0	876.7	877.4	878.1	878.1
155°	900.2	900.8	901.4	901.9	902.5	903.0	904.0	905.0	905.9	906.9	907.1
157.5°	926.8	927.1	927.5	927.8	928.2	928.5	929.8	931.1	932.4	933.7	933.8
160°	943.2	943.6	943.7	943.9	944.1	944.3	945.5	946.6	947.7	948.9	949.1
162.5°	957.2	957.3	957.5	957.7	957.9	958.0	959.3	960.6	961.9	963.2	963.5
165°	976.2	976.1	976.1	976.1	976.1	976.1	977.4	978.8	980.1	981.5	981.6
167.5°	991.5	991.2	991.2	991.1	991.1	991.0	992.4	993.7	995.1	996.3	996.5
170°	1000.4	1000.1	999.9	999.7	999.4	999.3	1000.7	1001.9	1003.3	1004.6	1004.7
172.5°	1006.6	1006.3	1006.1	1005.8	1005.6	1005.5	1006.9	1008.1	1009.5	1010.8	1010.9
175°	1014.2	1013.7	1013.3	1013.0	1012.5	1012.2	1013.5	1014.9	1016.2	1017.5	1017.6
177.5°	1017.7	1017.4	1017.0	1016.8	1016.4	1016.2	1017.0	1018.0	1018.9	1019.8	1019.8
180°	1018.2	1018.2	1018.2	1018.2	1018.2	1018.2	1018.2	1018.2	1018.2	1018.2	1018.2



TEST NUMBER: P331664-935

CATALOG NUMBER: S122RDIP-S485D925U935-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	925.4	925.4	925.4	925.4	925.4	925.4	925.4	925.4	925.4	925.4	925.4
2.5°	888.6	889.1	888.3	888.8	888.3	889.1	888.6	891.4	891.9	892.4	891.9
5°	827.9	824.1	823.5	822.5	823.5	824.1	827.9	829.6	830.9	833.4	837.9
7.5°	755.5	754.9	753.4	751.1	753.4	754.9	755.5	761.0	765.4	770.4	779.6
10°	708.9	707.4	707.1	704.8	707.1	707.4	708.9	716.0	721.2	728.2	740.8
12.5°	654.4	644.1	643.0	637.4	643.0	644.1	654.4	663.6	677.4	684.2	697.6
15°	557.2	555.3	548.9	544.7	548.9	555.3	557.2	564.9	570.1	588.8	610.3
17.5°	501.6	495.3	493.4	492.5	493.4	495.3	501.6	505.4	512.7	522.5	535.5
20°	465.9	460.1	459.2	458.5	459.2	460.1	465.9	470.4	476.2	486.8	500.3
22.5°	441.2	435.1	432.7	430.8	432.7	435.1	441.2	444.7	450.0	458.2	467.4
25°	399.0	396.7	395.5	394.9	395.5	396.7	399.0	402.3	407.3	418.6	428.3
27.5°	366.0	361.1	360.1	358.4	360.1	361.1	366.0	371.8	377.1	382.2	390.8
30°	347.2	345.6	343.4	341.5	343.4	345.6	347.2	350.2	353.7	362.4	370.7
32.5°	325.1	323.8	321.8	320.9	321.8	323.8	325.1	329.1	336.5	341.8	347.8
35°	300.7	296.1	294.2	291.3	294.2	296.1	300.7	303.8	306.8	311.3	322.2
37.5°	274.7	272.3	269.7	270.6	269.7	272.3	274.7	276.0	282.1	288.4	293.2
40°	254.7	253.0	252.4	252.1	252.4	253.0	254.7	258.8	266.2	269.1	276.2
42.5°	238.7	234.3	232.6	232.6	232.6	234.3	238.7	243.4	248.0	252.6	260.0
45°	214.5	210.3	207.4	207.7	207.4	210.3	214.5	216.0	219.9	229.3	233.4
47.5°	189.7	189.5	187.7	188.3	187.7	189.5	189.7	192.4	197.3	203.1	209.7
50°	177.8	175.9	174.6	174.9	174.6	175.9	177.8	180.0	183.0	185.8	196.1
52.5°	166.5	164.8	163.8	165.1	163.8	164.8	166.5	167.7	169.8	172.7	179.7
55°	147.9	145.9	145.7	145.3	145.7	145.9	147.9	149.5	152.1	154.3	157.6
57.5°	127.2	125.9	123.9	123.1	123.9	125.9	127.2	129.5	132.6	135.5	138.9
60°	112.2	109.6	106.4	106.1	106.4	109.6	112.2	116.4	117.7	122.2	126.1
62.5°	98.6	98.1	97.5	97.4	97.5	98.1	98.6	100.0	101.8	108.3	113.0
65°	86.5	86.2	86.5	86.8	86.5	86.2	86.5	87.1	87.5	88.1	90.1
67.5°	75.3	74.8	74.2	74.5	74.2	74.8	75.3	75.5	76.4	76.8	78.1
70°	66.9	66.6	66.2	66.2	66.2	66.6	66.9	67.5	68.2	68.8	70.4
72.5°	58.6	58.5	58.3	58.0	58.3	58.5	58.6	59.8	60.2	60.9	61.9
75°	46.9	46.3	46.3	46.3	46.3	46.3	46.9	47.3	47.6	48.6	49.2
77.5°	35.7	35.5	35.1	34.9	35.1	35.5	35.7	35.8	36.3	36.5	37.2
80°	28.3	28.0	27.6	27.6	27.6	28.0	28.3	28.6	28.6	29.6	29.3
82.5°	21.6	21.3	21.2	20.9	21.2	21.3	21.6	21.7	21.7	22.4	22.3
85°	11.5	11.9	11.5	12.2	11.5	11.9	11.5	11.3	11.5	12.2	12.2
87.5°	9.0	8.9	9.1	9.0	9.1	8.9	9.0	9.0	9.3	9.4	9.5
90°	28.7	28.8	29.0	29.2	29.0	28.8	28.7	28.4	28.6	28.9	29.3
92.5°	27.7	27.7	27.8	27.8	27.8	27.7	27.7	27.7	27.6	27.6	27.5
95°	54.4	54.1	53.6	53.3	53.6	54.1	54.4	54.8	55.0	55.0	55.0
97.5°	92.4	92.4	92.3	92.3	92.3	92.4	92.4	92.5	92.5	92.5	92.5
100°	118.3	118.1	117.9	117.7	117.9	118.1	118.3	118.5	118.6	118.6	118.6
102.5°	147.1	147.0	146.8	146.6	146.8	147.0	147.1	147.3	147.4	147.2	147.1
105°	190.7	190.7	190.7	190.7	190.7	190.7	190.7	190.7	190.5	190.2	189.8
107.5°	235.0	234.1	233.2	232.3	233.2	234.1	235.0	235.8	236.2	236.1	235.9
110°	266.4	265.8	265.2	264.7	265.2	265.8	266.4	266.9	267.3	267.3	267.3



TEST NUMBER: P331664-935

CATALOG NUMBER: S122RDIP-S485D925U935-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	296.9	296.4	296.0	295.6	296.0	296.4	296.9	297.2	297.7	298.2	298.6
115°	345.4	344.8	344.2	343.7	344.2	344.8	345.4	345.9	346.4	346.6	346.7
117.5°	391.3	390.7	390.1	389.6	390.1	390.7	391.3	391.8	392.4	392.9	393.3
120°	423.6	423.0	422.5	421.9	422.5	423.0	423.6	424.2	424.5	424.5	424.5
122.5°	454.8	454.3	453.9	453.5	453.9	454.3	454.8	455.2	455.6	456.1	456.5
125°	502.4	502.1	502.0	501.8	502.0	502.1	502.4	502.6	502.9	503.5	504.1
127.5°	547.6	547.0	546.4	545.8	546.4	547.0	547.6	548.2	548.9	549.6	550.3
130°	579.7	578.9	578.2	577.4	578.2	578.9	579.7	580.5	581.0	581.4	581.8
132.5°	609.5	608.9	608.3	607.7	608.3	608.9	609.5	610.1	610.8	611.7	612.5
135°	656.4	655.9	655.3	654.7	655.3	655.9	656.4	657.0	657.4	657.6	657.8
137.5°	699.6	698.9	698.1	697.3	698.1	698.9	699.6	700.4	700.9	701.0	701.2
140°	729.2	728.4	727.7	726.9	727.7	728.4	729.2	730.0	730.4	730.4	730.4
142.5°	756.0	755.3	754.5	753.7	754.5	755.3	756.0	756.8	757.1	756.9	756.8
145°	796.3	795.5	794.7	793.9	794.7	795.5	796.3	797.0	797.3	797.1	796.9
147.5°	832.1	831.3	830.6	829.8	830.6	831.3	832.1	832.8	832.9	832.5	832.1
150°	855.0	854.4	853.8	853.3	853.8	854.4	855.0	855.5	855.5	855.0	854.4
152.5°	877.4	876.7	876.0	875.2	876.0	876.7	877.4	878.1	878.1	877.4	876.7
155°	906.5	905.9	905.3	904.7	905.3	905.9	906.5	907.1	906.9	905.9	905.0
157.5°	933.0	932.0	931.1	930.2	931.1	932.0	933.0	933.8	933.7	932.4	931.1
160°	948.3	947.5	946.8	946.0	946.8	947.5	948.3	949.1	948.9	947.7	946.6
162.5°	962.5	961.6	960.7	959.8	960.7	961.6	962.5	963.5	963.2	961.9	960.6
165°	980.7	979.7	978.8	977.8	978.8	979.7	980.7	981.6	981.5	980.1	978.8
167.5°	995.6	994.5	993.6	992.6	993.6	994.5	995.6	996.5	996.3	995.1	993.7
170°	1003.6	1002.5	1001.3	1000.1	1001.3	1002.5	1003.6	1004.7	1004.6	1003.3	1001.9
172.5°	1009.8	1008.7	1007.5	1006.3	1007.5	1008.7	1009.8	1010.9	1010.8	1009.5	1008.1
175°	1016.5	1015.3	1014.2	1013.1	1014.2	1015.3	1016.5	1017.6	1017.5	1016.2	1014.9
177.5°	1018.9	1018.0	1017.0	1016.2	1017.0	1018.0	1018.9	1019.8	1019.8	1018.9	1018.0
180°	1018.2	1018.2	1018.2	1018.2	1018.2	1018.2	1018.2	1018.2	1018.2	1018.2	1018.2



TEST NUMBER: P331664-935

CATALOG NUMBER: S122RDIP-S485D925U935-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	925.4	925.4	925.4	925.4	925.4	925.4	925.4	925.4	925.4	925.4	925.4
2.5°	889.8	893.5	898.9	902.0	907.1	910.4	912.2	915.6	917.4	923.9	930.5
5°	840.2	845.3	854.3	862.6	871.7	881.0	887.8	895.4	902.5	914.7	927.6
7.5°	783.2	790.3	804.3	817.6	833.3	846.4	858.1	871.2	883.0	900.5	918.8
10°	740.5	753.0	771.4	783.9	804.4	817.6	835.9	850.4	866.9	890.0	910.6
12.5°	703.7	718.8	733.6	751.0	769.5	791.4	811.6	830.1	849.6	873.6	897.7
15°	637.0	658.8	681.7	699.3	724.4	747.5	771.0	796.1	819.9	848.5	880.0
17.5°	551.0	576.4	614.8	645.1	674.5	697.8	726.8	757.2	785.1	819.7	854.7
20°	512.2	530.8	556.9	597.7	642.1	666.8	696.5	729.9	762.0	799.6	837.2
22.5°	481.0	497.7	518.6	550.4	599.9	633.7	664.5	698.5	735.8	774.2	815.9
25°	436.6	448.2	470.1	495.8	529.9	585.5	619.2	653.3	693.9	735.0	782.6
27.5°	403.3	413.7	427.9	452.5	477.8	517.7	571.4	608.6	648.9	695.3	744.7
30°	377.8	390.0	405.8	423.1	450.8	482.0	535.6	578.8	618.6	666.2	718.9
32.5°	359.3	368.9	382.4	400.0	423.0	452.9	495.8	548.1	586.9	637.1	692.2
35°	328.9	340.2	351.1	367.8	386.5	413.8	446.3	502.2	540.8	590.3	645.7
37.5°	303.9	310.8	322.9	336.1	355.8	376.2	404.3	454.5	496.3	544.8	601.5
40°	284.9	293.5	302.6	317.4	333.5	353.0	380.6	418.0	465.9	513.5	568.8
42.5°	266.4	277.3	286.9	296.8	314.4	334.0	356.5	388.1	437.0	482.1	535.9
45°	244.0	251.2	261.1	272.0	286.5	303.2	323.1	350.8	397.7	436.6	487.2
47.5°	218.1	228.4	234.9	245.6	259.3	275.3	293.8	317.7	355.8	392.2	439.0
50°	200.4	210.9	220.2	229.9	242.1	257.5	272.9	296.1	326.7	365.0	408.6
52.5°	185.1	194.5	203.5	213.2	225.2	239.3	253.9	274.2	300.4	335.6	378.1
55°	164.3	170.0	179.4	189.1	199.7	213.2	227.3	244.4	266.9	296.4	330.9
57.5°	142.9	149.6	157.0	166.8	177.5	187.9	200.5	216.0	233.8	260.5	290.0
60°	130.9	136.0	142.2	152.1	162.0	171.3	183.6	196.5	213.2	236.3	261.4
62.5°	117.5	122.3	127.9	136.6	146.4	154.9	165.6	179.3	193.4	214.5	236.4
65°	95.1	102.3	107.7	115.5	123.5	132.5	140.9	151.8	164.3	181.0	200.6
67.5°	78.9	82.5	87.6	94.6	102.8	110.6	118.5	127.0	137.8	150.8	166.3
70°	71.7	73.0	74.0	80.7	88.4	96.2	103.5	111.6	120.9	131.5	145.0
72.5°	63.2	64.5	65.7	68.6	74.8	82.5	90.1	96.2	105.0	113.7	124.7
75°	50.2	52.1	53.0	54.7	56.9	62.1	69.1	74.9	80.1	86.8	95.5
77.5°	38.2	39.3	40.3	42.0	43.4	45.8	49.8	55.0	59.8	63.7	69.7
80°	30.2	30.6	31.9	32.5	34.4	36.0	38.0	42.1	46.9	48.6	52.7
82.5°	22.7	23.1	24.1	24.8	25.7	27.0	29.4	30.6	34.4	36.4	39.1
85°	12.6	12.2	13.2	13.2	13.9	14.5	15.2	16.7	17.7	20.2	20.9
87.5°	9.8	9.9	9.3	8.4	7.6	7.3	6.9	6.7	6.7	7.1	7.7
90°	29.7	30.0	25.8	21.7	17.5	13.3	10.0	7.7	5.4	3.2	0.9
92.5°	27.4	27.3	26.3	25.3	24.4	23.3	22.0	20.3	18.7	17.0	15.3
95°	55.0	55.0	54.6	54.2	53.8	53.5	52.3	50.4	48.5	46.6	44.7
97.5°	92.5	92.5	91.7	91.0	90.3	89.5	88.3	86.7	85.0	83.3	81.6
100°	118.6	118.6	118.0	117.4	116.8	116.3	115.2	113.7	112.2	110.6	109.1
102.5°	146.9	146.8	146.0	145.3	144.6	143.9	142.8	141.6	140.4	139.2	138.0
105°	189.4	189.0	188.6	188.3	187.9	187.5	187.0	186.5	185.9	185.3	184.8
107.5°	235.7	235.6	235.6	235.6	235.6	235.6	235.2	234.4	233.5	232.6	231.8
110°	267.3	267.3	267.3	267.3	267.3	267.3	266.7	265.5	264.3	263.2	262.1



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CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	299.1	299.5	299.7	299.8	300.0	300.1	299.6	298.5	297.4	296.2	295.1
115°	347.0	347.2	347.5	347.9	348.3	348.6	348.3	347.2	345.9	344.8	343.7
117.5°	393.7	394.3	395.3	396.3	397.4	398.5	398.3	396.7	395.2	393.6	392.2
120°	424.5	424.5	426.0	427.5	429.0	430.6	430.6	429.0	427.5	426.0	424.5
122.5°	457.0	457.4	458.6	459.6	460.6	461.8	461.3	459.5	457.7	455.8	454.0
125°	504.6	505.2	505.8	506.4	507.0	507.6	507.0	505.2	503.5	501.8	500.1
127.5°	551.0	551.6	552.3	553.0	553.7	554.4	553.6	551.5	549.3	547.1	544.9
130°	582.2	582.6	583.0	583.3	583.7	584.1	583.1	580.6	578.1	575.6	573.1
132.5°	613.4	614.2	614.1	614.1	614.0	613.9	612.9	610.8	608.8	606.7	604.8
135°	658.0	658.1	657.8	657.4	657.0	656.7	655.4	653.3	651.2	649.1	647.0
137.5°	701.4	701.5	701.0	700.5	700.0	699.5	698.4	696.6	694.9	693.2	691.6
140°	730.4	730.4	729.4	728.4	727.5	726.5	725.2	723.5	721.8	720.1	718.3
142.5°	756.6	756.5	755.8	755.2	754.5	753.9	752.7	751.0	749.2	747.5	745.8
145°	796.7	796.5	795.4	794.2	793.1	791.9	790.7	789.4	788.0	786.7	785.3
147.5°	831.6	831.2	830.4	829.7	829.0	828.2	827.0	825.4	823.8	822.2	820.5
150°	853.8	853.3	852.5	851.7	850.9	850.2	849.2	848.1	846.9	845.8	844.6
152.5°	876.0	875.2	874.3	873.4	872.5	871.6	870.6	869.4	868.2	867.1	865.9
155°	904.0	903.0	902.5	901.9	901.4	900.8	900.2	899.7	899.1	898.5	897.9
157.5°	929.8	928.5	928.2	927.8	927.5	927.1	926.8	926.3	926.0	925.6	925.2
160°	945.5	944.3	944.1	943.9	943.7	943.6	943.2	942.9	942.5	942.1	941.8
162.5°	959.3	958.0	957.9	957.7	957.5	957.3	957.2	957.1	957.0	956.9	956.8
165°	977.4	976.1	976.1	976.1	976.1	976.1	976.2	976.4	976.5	976.8	977.0
167.5°	992.4	991.0	991.1	991.1	991.2	991.2	991.5	992.0	992.6	993.2	993.8
170°	1000.7	999.3	999.4	999.7	999.9	1000.1	1000.4	1001.0	1001.6	1002.1	1002.7
172.5°	1006.9	1005.5	1005.6	1005.8	1006.1	1006.3	1006.6	1007.2	1007.8	1008.3	1008.9
175°	1013.5	1012.2	1012.5	1013.0	1013.3	1013.7	1014.2	1014.8	1015.3	1015.9	1016.5
177.5°	1017.0	1016.2	1016.4	1016.8	1017.0	1017.4	1017.7	1018.2	1018.6	1019.1	1019.6
180°	1018.2	1018.2	1018.2	1018.2	1018.2	1018.2	1018.2	1018.2	1018.2	1018.2	1018.2



TEST NUMBER: P331664-935

CATALOG NUMBER: S122RDIP-S485D925U935-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	925.4	925.4	925.4	925.4	925.4	925.4	925.4	925.4	925.4	925.4	925.4
2.5°	930.7	931.5	936.7	939.0	943.7	945.5	947.4	946.9	946.9	948.0	955.2
5°	932.7	939.2	948.8	958.1	967.2	974.9	980.0	985.2	987.1	996.4	1004.8
7.5°	929.4	941.2	957.2	971.4	988.4	1001.8	1012.8	1022.8	1029.6	1043.2	1057.0
10°	925.1	941.8	959.8	978.1	1001.6	1019.3	1037.2	1051.1	1055.6	1075.8	1087.4
12.5°	916.3	938.7	961.6	985.3	1008.2	1032.6	1052.4	1066.3	1082.1	1100.3	1121.6
15°	903.2	928.9	958.8	989.4	1022.2	1051.7	1073.0	1097.1	1114.4	1134.4	1153.0
17.5°	884.3	917.5	955.5	990.8	1028.7	1060.5	1089.8	1112.8	1125.1	1136.4	1139.3
20°	869.4	905.1	949.8	991.6	1029.5	1066.2	1095.1	1114.4	1117.7	1117.9	1100.9
22.5°	853.3	893.5	940.3	983.1	1028.5	1069.3	1091.7	1100.0	1087.3	1065.5	1032.5
25°	823.5	870.0	924.4	973.3	1022.8	1061.4	1069.1	1054.6	1010.0	962.9	903.5
27.5°	791.2	843.5	901.8	956.1	1008.9	1032.9	1016.2	964.0	883.5	813.6	728.8
30°	767.5	826.3	883.6	944.3	993.2	1003.5	965.3	888.4	794.5	689.1	604.5
32.5°	740.5	802.1	865.0	927.9	968.8	958.7	895.5	800.9	690.9	587.2	507.2
35°	701.9	765.6	833.4	896.4	922.5	879.1	784.5	661.4	548.9	452.1	397.1
37.5°	657.4	726.7	797.2	855.1	853.3	780.8	652.1	525.0	430.4	373.2	334.0
40°	625.7	695.8	772.0	820.9	800.0	705.8	566.2	446.3	377.1	331.5	302.9
42.5°	595.4	665.7	741.4	780.2	743.9	628.1	489.0	395.1	338.0	302.5	279.2
45°	543.7	617.9	688.1	709.6	644.6	517.0	395.5	327.4	289.4	263.0	246.9
47.5°	493.3	566.3	630.3	630.7	542.8	419.3	333.6	283.3	250.9	230.5	218.8
50°	462.4	531.8	585.5	577.1	477.5	373.0	298.3	254.9	228.0	212.2	200.0
52.5°	427.7	495.0	541.5	517.7	422.1	328.2	266.7	230.3	207.9	194.2	183.3
55°	377.1	437.0	469.8	433.8	344.4	272.9	225.4	196.7	180.0	168.5	159.2
57.5°	327.6	376.9	397.5	355.6	283.6	226.4	190.6	169.2	152.6	144.3	139.5
60°	296.4	338.5	353.0	306.8	246.6	198.0	168.8	148.9	136.6	131.2	126.4
62.5°	265.9	300.2	306.3	263.8	215.0	173.4	148.3	131.4	123.3	118.0	113.5
65°	220.6	245.3	242.5	208.4	170.0	137.6	119.2	109.0	102.9	95.5	87.5
67.5°	181.6	196.7	187.6	162.0	129.8	106.9	95.0	87.2	79.6	72.6	70.8
70°	156.9	165.6	155.9	132.5	106.4	89.7	80.1	70.8	66.2	64.7	61.7
72.5°	133.3	136.3	125.9	105.7	86.6	74.3	64.9	59.7	57.3	55.9	54.0
75°	100.0	97.7	88.8	73.0	60.1	51.7	48.9	46.9	45.4	44.1	43.0
77.5°	70.3	66.9	58.9	48.6	41.8	37.9	36.2	35.1	34.4	33.7	32.7
80°	52.7	50.5	42.4	34.7	31.9	29.9	28.9	27.6	27.6	27.0	26.0
82.5°	38.6	36.1	29.1	25.5	23.8	22.7	22.0	21.2	20.9	21.1	20.4
85°	20.2	16.4	14.5	13.9	12.8	12.2	12.6	11.9	11.9	11.9	11.5
87.5°	6.8	5.9	6.2	6.4	7.3	8.1	8.7	9.6	10.7	10.3	10.5
90°	3.2	5.4	7.7	10.0	13.3	17.5	21.7	25.8	30.0	29.7	29.3
92.5°	17.0	18.7	20.3	22.0	23.3	24.4	25.3	26.3	27.3	27.4	27.5
95°	46.6	48.5	50.4	52.3	53.5	53.8	54.2	54.6	55.0	55.0	55.0
97.5°	83.3	85.0	86.7	88.3	89.5	90.3	91.0	91.7	92.5	92.5	92.5
100°	110.6	112.2	113.7	115.2	116.3	116.8	117.4	118.0	118.6	118.6	118.6
102.5°	139.2	140.4	141.6	142.8	143.9	144.6	145.3	146.0	146.8	146.9	147.1
105°	185.3	185.9	186.5	187.0	187.5	187.9	188.3	188.6	189.0	189.4	189.8
107.5°	232.6	233.5	234.4	235.2	235.6	235.6	235.6	235.6	235.6	235.7	235.9
110°	263.2	264.3	265.5	266.7	267.3	267.3	267.3	267.3	267.3	267.3	267.3



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CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	296.2	297.4	298.5	299.6	300.1	300.0	299.8	299.7	299.5	299.1	298.6
115°	344.8	345.9	347.2	348.3	348.6	348.3	347.9	347.5	347.2	347.0	346.7
117.5°	393.6	395.2	396.7	398.3	398.5	397.4	396.3	395.3	394.3	393.7	393.3
120°	426.0	427.5	429.0	430.6	430.6	429.0	427.5	426.0	424.5	424.5	424.5
122.5°	455.8	457.7	459.5	461.3	461.8	460.6	459.6	458.6	457.4	457.0	456.5
125°	501.8	503.5	505.2	507.0	507.6	507.0	506.4	505.8	505.2	504.6	504.1
127.5°	547.1	549.3	551.5	553.6	554.4	553.7	553.0	552.3	551.6	551.0	550.3
130°	575.6	578.1	580.6	583.1	584.1	583.7	583.3	583.0	582.6	582.2	581.8
132.5°	606.7	608.8	610.8	612.9	613.9	614.0	614.1	614.1	614.2	613.4	612.5
135°	649.1	651.2	653.3	655.4	656.7	657.0	657.4	657.8	658.1	658.0	657.8
137.5°	693.2	694.9	696.6	698.4	699.5	700.0	700.5	701.0	701.5	701.4	701.2
140°	720.1	721.8	723.5	725.2	726.5	727.5	728.4	729.4	730.4	730.4	730.4
142.5°	747.5	749.2	751.0	752.7	753.9	754.5	755.2	755.8	756.5	756.6	756.8
145°	786.7	788.0	789.4	790.7	791.9	793.1	794.2	795.4	796.5	796.7	796.9
147.5°	822.2	823.8	825.4	827.0	828.2	829.0	829.7	830.4	831.2	831.6	832.1
150°	845.8	846.9	848.1	849.2	850.2	850.9	851.7	852.5	853.3	853.8	854.4
152.5°	867.1	868.2	869.4	870.6	871.6	872.5	873.4	874.3	875.2	876.0	876.7
155°	898.5	899.1	899.7	900.2	900.8	901.4	901.9	902.5	903.0	904.0	905.0
157.5°	925.6	926.0	926.3	926.8	927.1	927.5	927.8	928.2	928.5	929.8	931.1
160°	942.1	942.5	942.9	943.2	943.6	943.7	943.9	944.1	944.3	945.5	946.6
162.5°	956.9	957.0	957.1	957.2	957.3	957.5	957.7	957.9	958.0	959.3	960.6
165°	976.8	976.5	976.4	976.2	976.1	976.1	976.1	976.1	976.1	977.4	978.8
167.5°	993.2	992.6	992.0	991.5	991.2	991.2	991.1	991.1	991.0	992.4	993.7
170°	1002.1	1001.6	1001.0	1000.4	1000.1	999.9	999.7	999.4	999.3	1000.7	1001.9
172.5°	1008.3	1007.8	1007.2	1006.6	1006.3	1006.1	1005.8	1005.6	1005.5	1006.9	1008.1
175°	1015.9	1015.3	1014.8	1014.2	1013.7	1013.3	1013.0	1012.5	1012.2	1013.5	1014.9
177.5°	1019.1	1018.6	1018.2	1017.7	1017.4	1017.0	1016.8	1016.4	1016.2	1017.0	1018.0
180°	1018.2	1018.2	1018.2	1018.2	1018.2	1018.2	1018.2	1018.2	1018.2	1018.2	1018.2



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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	925.4	925.4	925.4	925.4	925.4	925.4	925.4
2.5°	957.8	961.1	962.7	962.7	964.5	963.7	962.9
5°	1012.8	1018.9	1020.2	1026.0	1030.2	1028.9	1029.5
7.5°	1067.6	1077.4	1087.1	1091.5	1092.3	1094.8	1095.8
10°	1101.2	1109.3	1124.4	1122.1	1133.4	1139.8	1129.2
12.5°	1133.7	1144.5	1155.0	1157.9	1164.2	1166.3	1162.1
15°	1163.0	1168.7	1169.4	1167.8	1169.8	1168.1	1162.0
17.5°	1135.6	1126.2	1107.2	1098.1	1091.0	1080.5	1076.2
20°	1090.3	1062.6	1030.5	1017.6	1002.5	972.9	980.0
22.5°	992.6	961.0	928.9	891.3	873.4	845.3	843.7
25°	840.5	786.2	726.3	684.5	660.1	632.1	619.9
27.5°	653.5	585.0	536.1	511.3	488.6	466.5	465.5
30°	530.5	479.1	441.2	419.9	406.1	396.7	398.7
32.5°	447.2	411.9	386.3	368.8	358.5	351.5	351.4
35°	365.6	341.5	325.0	317.7	310.3	305.1	305.5
37.5°	312.9	298.3	289.2	281.1	276.5	274.0	272.5
40°	285.9	274.0	266.9	262.1	258.2	254.7	254.0
42.5°	264.5	254.7	247.5	243.7	240.2	237.6	237.0
45°	234.7	226.7	220.2	216.0	214.5	212.2	212.2
47.5°	208.8	200.9	195.9	193.2	190.5	189.0	188.9
50°	191.3	185.2	180.7	179.1	176.8	175.9	175.6
52.5°	175.6	171.1	167.8	166.8	165.7	164.5	164.7
55°	154.3	151.8	150.5	149.5	147.9	145.9	147.2
57.5°	136.4	134.2	130.7	127.7	126.2	124.8	125.4
60°	123.8	119.2	114.8	111.2	110.3	107.4	107.4
62.5°	107.9	101.5	96.0	94.0	93.1	91.7	91.4
65°	82.9	80.4	79.1	77.8	77.1	77.1	76.5
67.5°	68.7	67.7	66.3	66.0	65.3	65.2	64.9
70°	60.8	59.5	58.8	58.5	57.9	58.2	57.3
72.5°	53.0	52.0	51.9	51.1	50.7	50.7	50.0
75°	41.8	41.8	41.5	41.2	40.6	40.2	40.6
77.5°	32.1	32.2	31.6	31.6	31.5	31.6	31.3
80°	25.7	26.0	25.7	25.4	25.1	25.4	25.1
82.5°	20.3	19.9	19.8	19.7	19.7	19.5	19.5
85°	11.5	11.9	11.5	11.3	11.3	11.3	11.5
87.5°	10.2	10.1	10.1	10.1	10.2	10.2	10.0
90°	28.9	28.6	28.4	28.7	28.8	29.0	29.2
92.5°	27.6	27.6	27.7	27.7	27.7	27.8	27.8
95°	55.0	55.0	54.8	54.4	54.1	53.6	53.3
97.5°	92.5	92.5	92.5	92.4	92.4	92.3	92.3
100°	118.6	118.6	118.5	118.3	118.1	117.9	117.7
102.5°	147.2	147.4	147.3	147.1	147.0	146.8	146.6
105°	190.2	190.5	190.7	190.7	190.7	190.7	190.7
107.5°	236.1	236.2	235.8	235.0	234.1	233.2	232.3
110°	267.3	267.3	266.9	266.4	265.8	265.2	264.7



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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
112.5°	298.2	297.7	297.2	296.9	296.4	296.0	295.6
115°	346.6	346.4	345.9	345.4	344.8	344.2	343.7
117.5°	392.9	392.4	391.8	391.3	390.7	390.1	389.6
120°	424.5	424.5	424.2	423.6	423.0	422.5	421.9
122.5°	456.1	455.6	455.2	454.8	454.3	453.9	453.5
125°	503.5	502.9	502.6	502.4	502.1	502.0	501.8
127.5°	549.6	548.9	548.2	547.6	547.0	546.4	545.8
130°	581.4	581.0	580.5	579.7	578.9	578.2	577.4
132.5°	611.7	610.8	610.1	609.5	608.9	608.3	607.7
135°	657.6	657.4	657.0	656.4	655.9	655.3	654.7
137.5°	701.0	700.9	700.4	699.6	698.9	698.1	697.3
140°	730.4	730.4	730.0	729.2	728.4	727.7	726.9
142.5°	756.9	757.1	756.8	756.0	755.3	754.5	753.7
145°	797.1	797.3	797.0	796.3	795.5	794.7	793.9
147.5°	832.5	832.9	832.8	832.1	831.3	830.6	829.8
150°	855.0	855.5	855.5	855.0	854.4	853.8	853.3
152.5°	877.4	878.1	878.1	877.4	876.7	876.0	875.2
155°	905.9	906.9	907.1	906.5	905.9	905.3	904.7
157.5°	932.4	933.7	933.8	933.0	932.0	931.1	930.2
160°	947.7	948.9	949.1	948.3	947.5	946.8	946.0
162.5°	961.9	963.2	963.5	962.5	961.6	960.7	959.8
165°	980.1	981.5	981.6	980.7	979.7	978.8	977.8
167.5°	995.1	996.3	996.5	995.6	994.5	993.6	992.6
170°	1003.3	1004.6	1004.7	1003.6	1002.5	1001.3	1000.1
172.5°	1009.5	1010.8	1010.9	1009.8	1008.7	1007.5	1006.3
175°	1016.2	1017.5	1017.6	1016.5	1015.3	1014.2	1013.1
177.5°	1018.9	1019.8	1019.8	1018.9	1018.0	1017.0	1016.2
180°	1018.2	1018.2	1018.2	1018.2	1018.2	1018.2	1018.2

(END OF REPORT)