

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: P331657-935

Luminaire Tested: **S122RDIP-S485D725U935-4F0-1E-UDD-A**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P331657-935
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: S122RDIP-S485D725U935-4F0-1E-UDD-A
Description: DEFINE 2 DIRECT-INDIRECT PENDANT LED LUMINAIRE
DOWNLIGHT 485 LUMENS PER FOOT, ASYMMETRIC DIFFUSER, REGRESSED HOUSING
UPLIGHT 725 LUMENS PER FOOT, NO LENS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4095.7 lumens
Efficiency: N/A
Efficacy: 106.7 lumens/watt
Spacing Criteria (0/90/45): 0.86 / 1.16 / 1.02
Luminous Opening: Rectangular (W 4' x L: 0.17' x H: 0')
CIE Type: Semi-Indirect

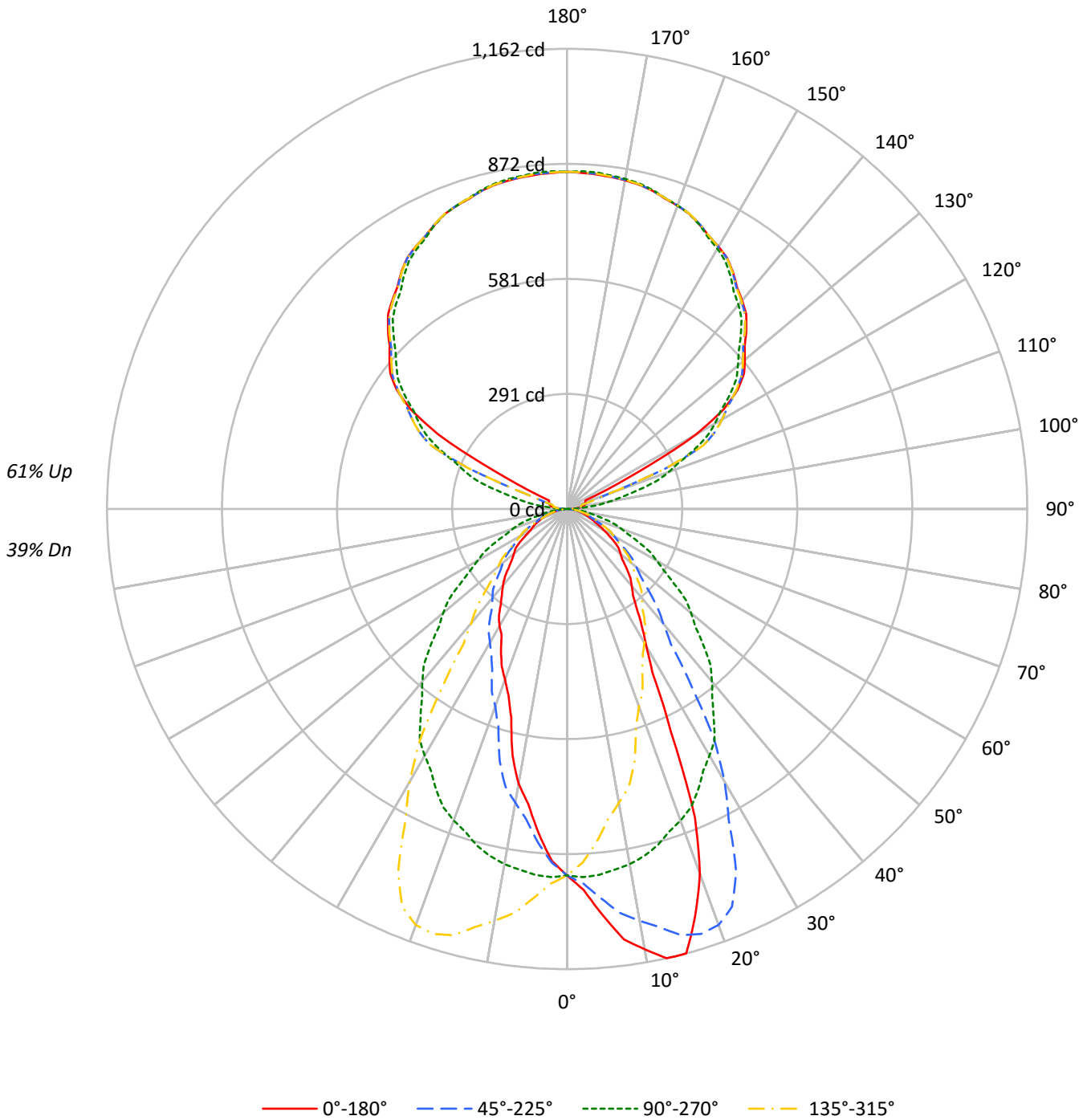
Input Watts (W): 38.4
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				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	77	77	77	61	61	61	46	46	46	39
1	96	92	88	85	87	84	81	78	69	66	65	55	53	52	42	41	40	34
2	88	81	75	70	80	74	69	65	61	57	54	49	46	44	37	36	35	30
3	81	72	65	59	73	66	60	55	54	50	47	44	41	38	34	32	30	26
4	74	64	57	51	67	59	52	47	49	44	40	39	36	33	31	28	27	23
5	68	57	50	44	62	53	46	41	44	39	35	36	32	29	28	26	24	20
6	63	52	44	38	57	47	41	36	40	35	31	32	29	26	26	23	21	18
7	58	47	39	34	53	43	37	32	36	31	28	30	26	23	24	21	19	17
8	54	43	35	30	49	39	33	28	33	28	25	27	24	21	22	19	17	15
9	51	39	32	27	46	36	30	25	31	26	22	25	22	19	20	18	16	14
10	47	36	29	24	43	33	27	23	28	23	20	23	20	17	19	16	15	13

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	2.1
10°-20°	244.4	6.0
20°-30°	315.0	7.7
30°-40°	299.3	7.3
40°-50°	256.4	6.3
50°-60°	195.3	4.8
60°-70°	123.4	3.0
70°-80°	61.6	1.5
80°-90°	18.1	0.4
90°-100°	28.4	0.7
100°-110°	104.1	2.5
110°-120°	278.3	6.8
120°-130°	459.4	11.2
130°-140°	488.6	11.9
140°-150°	454.1	11.1
150°-160°	365.1	8.9
160°-170°	235.3	5.7
170°-180°	81.0	2.0
0°-30°	647.1	15.8
0°-40°	946.4	23.1
0°-60°	1398.1	34.1
0°-90°	1601.3	39.1
90°-120°	410.8	10.0
90°-150°	1813.0	44.3
90°-180°	2494.0	60.9
0°-180°	4095.7	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°	17	1	17	1	17	8
95°	26	40	26	40	26	25
105°	47	187	47	187	47	49
115°	50	354	50	354	50	126
125°	527	501	527	501	527	456
135°	640	620	640	620	640	493
145°	730	719	730	719	730	456
155°	792	791	792	791	792	365
165°	832	834	832	834	832	235
175°	848	853	848	853	848	81
180°	851	851	851	851	851	



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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°	7.4	7.7	7.6	7.6	7.5	7.4	7.2	7.4	7.0	7.1	6.6
90°	16.6	16.4	16.1	15.8	15.5	15.1	14.4	13.7	13.0	12.3	11.2
92.5°	16.6	16.4	16.3	16.1	16.0	15.7	15.3	15.0	14.6	14.3	13.8
95°	26.5	26.6	26.8	26.9	27.0	26.8	26.1	25.4	24.7	24.0	23.1
97.5°	35.4	35.2	35.0	34.9	34.7	34.4	33.8	33.2	32.7	32.1	30.0
100°	41.2	41.0	40.7	40.5	40.2	39.5	38.4	37.3	36.2	35.1	32.8
102.5°	44.3	43.8	43.5	43.0	42.7	41.8	40.4	38.9	37.5	36.1	35.5
105°	46.8	46.2	45.7	45.2	44.6	43.6	42.1	40.6	39.1	37.5	37.9
107.5°	48.1	47.6	47.1	46.5	46.0	46.5	48.0	49.5	51.1	52.6	49.4
110°	48.6	48.1	47.5	47.0	46.5	53.0	66.7	80.4	94.1	107.8	147.3



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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	49.2	48.7	48.3	47.9	47.4	72.2	122.1	172.0	222.0	271.8	281.6
115°	50.5	60.4	70.2	80.1	89.9	126.6	189.9	253.3	316.7	380.0	376.6
117.5°	206.2	238.6	271.0	303.3	335.7	359.6	374.9	390.3	405.6	420.9	418.5
120°	375.7	394.2	412.7	431.1	449.6	458.1	456.4	454.8	453.1	451.4	449.0
122.5°	468.8	472.4	476.0	479.6	483.2	484.5	483.5	482.5	481.5	480.5	477.9
125°	526.6	526.2	525.8	525.4	525.0	524.3	523.3	522.4	521.4	520.5	517.8
127.5°	563.1	563.0	562.9	562.8	562.7	562.0	560.6	559.2	557.8	556.4	554.5
130°	585.7	585.8	586.0	586.2	586.3	585.6	584.1	582.6	581.1	579.5	578.1
132.5°	607.9	608.0	608.2	608.3	608.5	607.9	606.6	605.3	604.0	602.7	601.2
135°	639.9	640.2	640.5	640.8	641.0	640.5	639.1	637.7	636.4	635.0	633.8
137.5°	669.1	669.6	670.0	670.5	671.0	670.5	669.2	667.9	666.5	665.2	663.7
140°	687.3	688.0	688.7	689.4	690.1	689.8	688.5	687.3	686.1	684.9	683.4
142.5°	705.1	705.8	706.5	707.1	707.8	707.6	706.5	705.3	704.2	703.1	701.4
145°	729.9	730.6	731.2	731.9	732.5	732.5	731.5	730.6	729.6	728.6	726.3
147.5°	751.7	752.3	752.8	753.4	754.0	753.9	753.2	752.4	751.7	751.1	748.7
150°	764.9	765.6	766.3	767.0	767.7	767.6	766.8	765.9	765.2	764.3	762.2
152.5°	776.3	777.2	778.1	779.0	779.9	780.0	779.1	778.3	777.5	776.6	774.6
155°	792.0	793.2	794.3	795.3	796.4	796.6	795.7	795.0	794.1	793.2	791.6
157.5°	806.5	807.5	808.6	809.7	810.7	810.8	809.9	808.9	808.0	807.1	805.9
160°	814.9	815.8	816.7	817.7	818.6	818.7	817.9	817.1	816.3	815.5	814.6
162.5°	821.7	822.9	824.1	825.3	826.5	826.6	825.6	824.7	823.8	822.9	822.2
165°	832.1	833.0	834.0	835.0	835.9	835.9	835.0	834.0	833.0	832.1	831.6
167.5°	838.6	839.8	841.1	842.3	843.5	843.7	842.7	841.8	840.8	839.8	839.5
170°	842.6	843.8	845.0	846.3	847.5	847.7	846.6	845.7	844.7	843.8	843.5
172.5°	845.5	846.7	848.0	849.2	850.4	850.6	849.6	848.7	847.7	846.7	846.4
175°	848.1	849.5	850.8	852.2	853.6	853.8	852.8	851.9	850.9	850.0	849.6
177.5°	849.7	850.7	851.7	852.6	853.7	853.8	853.0	852.2	851.4	850.7	850.6
180°	851.2	851.2	851.2	851.2	851.2	851.2	851.2	851.2	851.2	851.2	851.2



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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°	6.4	6.5	6.2	5.7	5.7	5.6	6.6	7.6	6.9	6.4	6.2
90°	10.2	9.0	7.9	6.6	5.2	3.6	2.2	0.6	2.2	3.6	5.2
92.5°	13.2	12.7	12.1	11.9	12.1	12.1	12.3	12.4	12.3	12.1	12.1
95°	22.1	21.2	20.1	22.0	26.5	31.0	35.6	40.0	35.6	31.0	26.5
97.5°	27.7	25.5	23.2	28.5	41.2	54.0	66.7	79.5	66.7	54.0	41.2
100°	30.5	28.2	25.8	34.0	52.8	71.5	90.2	109.0	90.2	71.5	52.8
102.5°	75.0	94.5	113.9	125.6	129.7	133.6	137.6	141.5	137.6	133.6	129.7
105°	112.3	149.6	187.0	203.6	199.6	195.4	191.3	187.3	191.3	195.4	199.6
107.5°	142.2	187.0	231.9	252.6	249.3	246.0	242.6	239.4	242.6	246.0	249.3
110°	186.9	226.4	266.0	284.3	281.5	278.6	275.7	272.9	275.7	278.6	281.5



TEST NUMBER: P331657-935

CATALOG NUMBER: S122RDIP-S485D725U935-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	291.4	301.2	310.9	314.5	312.0	309.4	306.9	304.4	306.9	309.4	312.0
115°	373.2	369.7	366.4	363.4	361.1	358.8	356.5	354.1	356.5	358.8	361.1
117.5°	416.2	413.9	411.5	409.0	406.4	403.8	401.2	398.6	401.2	403.8	406.4
120°	446.5	444.1	441.6	439.4	437.3	435.2	433.2	431.1	433.2	435.2	437.3
122.5°	475.2	472.5	469.8	467.4	465.2	463.0	460.9	458.7	460.9	463.0	465.2
125°	515.2	512.6	510.1	507.8	506.1	504.3	502.5	500.8	502.5	504.3	506.1
127.5°	552.5	550.6	548.6	546.6	544.7	542.8	540.8	538.8	540.8	542.8	544.7
130°	576.5	575.1	573.5	571.7	569.5	567.3	565.2	562.9	565.2	567.3	569.5
132.5°	599.7	598.2	596.7	595.0	593.1	591.3	589.4	587.5	589.4	591.3	593.1
135°	632.5	631.3	630.1	628.4	626.2	624.0	621.8	619.6	621.8	624.0	626.2
137.5°	662.4	661.0	659.6	658.1	656.6	655.0	653.5	652.0	653.5	655.0	656.6
140°	681.9	680.4	678.9	677.5	676.5	675.4	674.2	673.2	674.2	675.4	676.5
142.5°	699.6	697.9	696.2	694.8	693.9	692.9	691.9	691.0	691.9	692.9	693.9
145°	723.9	721.6	719.3	718.2	718.3	718.5	718.6	718.8	718.6	718.5	718.3
147.5°	746.4	744.2	741.8	741.0	741.5	742.0	742.5	743.0	742.5	742.0	741.5
150°	759.9	757.8	755.6	754.9	756.0	756.9	757.9	758.8	757.9	756.9	756.0
152.5°	772.5	770.4	768.4	767.8	768.9	770.0	771.0	772.1	771.0	770.0	768.9
155°	790.0	788.3	786.7	786.5	787.7	788.9	790.2	791.4	790.2	788.9	787.7
157.5°	804.8	803.7	802.5	802.5	803.5	804.5	805.6	806.6	805.6	804.5	803.5
160°	813.8	813.0	812.2	812.2	813.0	813.8	814.6	815.5	814.6	813.8	813.0
162.5°	821.4	820.7	820.0	820.0	820.9	821.7	822.5	823.4	822.5	821.7	820.9
165°	831.3	830.9	830.4	830.6	831.5	832.3	833.1	834.0	833.1	832.3	831.5
167.5°	839.0	838.7	838.3	838.5	839.4	840.2	841.0	841.8	841.0	840.2	839.4
170°	843.3	843.0	842.7	843.0	843.8	844.6	845.4	846.3	845.4	844.6	843.8
172.5°	846.2	845.9	845.7	845.9	846.7	847.6	848.3	849.2	848.3	847.6	846.7
175°	849.4	849.1	848.9	849.2	850.2	851.1	852.0	853.0	852.0	851.1	850.2
177.5°	850.5	850.3	850.2	850.6	851.4	852.1	852.9	853.7	852.9	852.1	851.4
180°	851.2	851.2	851.2	851.2	851.2	851.2	851.2	851.2	851.2	851.2	851.2



TEST NUMBER: P331657-935

CATALOG NUMBER: S122RDIP-S485D725U935-4F0-1E-UDD-A

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°	6.2	6.2	5.9	6.1	6.4	6.3	6.5	6.4	6.5	6.6	6.5
90°	6.6	7.9	9.0	10.2	11.2	12.3	13.0	13.7	14.4	15.1	15.5
92.5°	11.9	12.1	12.7	13.2	13.8	14.3	14.6	15.0	15.3	15.7	16.0
95°	22.0	20.1	21.2	22.1	23.1	24.0	24.7	25.4	26.1	26.8	27.0
97.5°	28.5	23.2	25.5	27.7	30.0	32.1	32.7	33.2	33.8	34.4	34.7
100°	34.0	25.8	28.2	30.5	32.8	35.1	36.2	37.3	38.4	39.5	40.2
102.5°	125.6	113.9	94.5	75.0	55.5	36.1	37.5	38.9	40.4	41.8	42.7
105°	203.6	187.0	149.6	112.3	74.9	37.5	39.1	40.6	42.1	43.6	44.6
107.5°	252.6	231.9	187.0	142.2	97.4	52.6	51.1	49.5	48.0	46.5	46.0
110°	284.3	266.0	226.4	186.9	147.3	107.8	94.1	80.4	66.7	53.0	46.5



TEST NUMBER: P331657-935

CATALOG NUMBER: S122RDIP-S485D725U935-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	314.5	310.9	301.2	291.4	281.6	271.8	222.0	172.0	122.1	72.2	47.4
115°	363.4	366.4	369.7	373.2	376.6	380.0	316.7	253.3	189.9	126.6	89.9
117.5°	409.0	411.5	413.9	416.2	418.5	420.9	405.6	390.3	374.9	359.6	335.7
120°	439.4	441.6	444.1	446.5	449.0	451.4	453.1	454.8	456.4	458.1	449.6
122.5°	467.4	469.8	472.5	475.2	477.9	480.5	481.5	482.5	483.5	484.5	483.2
125°	507.8	510.1	512.6	515.2	517.8	520.5	521.4	522.4	523.3	524.3	525.0
127.5°	546.6	548.6	550.6	552.5	554.5	556.4	557.8	559.2	560.6	562.0	562.7
130°	571.7	573.5	575.1	576.5	578.1	579.5	581.1	582.6	584.1	585.6	586.3
132.5°	595.0	596.7	598.2	599.7	601.2	602.7	604.0	605.3	606.6	607.9	608.5
135°	628.4	630.1	631.3	632.5	633.8	635.0	636.4	637.7	639.1	640.5	641.0
137.5°	658.1	659.6	661.0	662.4	663.7	665.2	666.5	667.9	669.2	670.5	671.0
140°	677.5	678.9	680.4	681.9	683.4	684.9	686.1	687.3	688.5	689.8	690.1
142.5°	694.8	696.2	697.9	699.6	701.4	703.1	704.2	705.3	706.5	707.6	707.8
145°	718.2	719.3	721.6	723.9	726.3	728.6	729.6	730.6	731.5	732.5	732.5
147.5°	741.0	741.8	744.2	746.4	748.7	751.1	751.7	752.4	753.2	753.9	754.0
150°	754.9	755.6	757.8	759.9	762.2	764.3	765.2	765.9	766.8	767.6	767.7
152.5°	767.8	768.4	770.4	772.5	774.6	776.6	777.5	778.3	779.1	780.0	779.9
155°	786.5	786.7	788.3	790.0	791.6	793.2	794.1	795.0	795.7	796.6	796.4
157.5°	802.5	802.5	803.7	804.8	805.9	807.1	808.0	808.9	809.9	810.8	810.7
160°	812.2	812.2	813.0	813.8	814.6	815.5	816.3	817.1	817.9	818.7	818.6
162.5°	820.0	820.0	820.7	821.4	822.2	822.9	823.8	824.7	825.6	826.6	826.5
165°	830.6	830.4	830.9	831.3	831.6	832.1	833.0	834.0	835.0	835.9	835.9
167.5°	838.5	838.3	838.7	839.0	839.5	839.8	840.8	841.8	842.7	843.7	843.5
170°	843.0	842.7	843.0	843.3	843.5	843.8	844.7	845.7	846.6	847.7	847.5
172.5°	845.9	845.7	845.9	846.2	846.4	846.7	847.7	848.7	849.6	850.6	850.4
175°	849.2	848.9	849.1	849.4	849.6	850.0	850.9	851.9	852.8	853.8	853.6
177.5°	850.6	850.2	850.3	850.5	850.6	850.7	851.4	852.2	853.0	853.8	853.7
180°	851.2	851.2	851.2	851.2	851.2	851.2	851.2	851.2	851.2	851.2	851.2



TEST NUMBER: P331657-935

CATALOG NUMBER: S122RDIP-S485D725U935-4F0-1E-UDD-A

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°	6.5	6.3	6.6	6.4	6.6	6.3	6.5	6.5	6.6	6.5	6.4
90°	15.8	16.1	16.4	16.6	16.4	16.1	15.8	15.5	15.1	14.4	13.7
92.5°	16.1	16.3	16.4	16.6	16.4	16.3	16.1	16.0	15.7	15.3	15.0
95°	26.9	26.8	26.6	26.5	26.6	26.8	26.9	27.0	26.8	26.1	25.4
97.5°	34.9	35.0	35.2	35.4	35.2	35.0	34.9	34.7	34.4	33.8	33.2
100°	40.5	40.7	41.0	41.2	41.0	40.7	40.5	40.2	39.5	38.4	37.3
102.5°	43.0	43.5	43.8	44.3	43.8	43.5	43.0	42.7	41.8	40.4	38.9
105°	45.2	45.7	46.2	46.8	46.2	45.7	45.2	44.6	43.6	42.1	40.6
107.5°	46.5	47.1	47.6	48.1	47.6	47.1	46.5	46.0	46.5	48.0	49.5
110°	47.0	47.5	48.1	48.6	48.1	47.5	47.0	46.5	53.0	66.7	80.4



TEST NUMBER: P331657-935

CATALOG NUMBER: S122RDIP-S485D725U935-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	47.9	48.3	48.7	49.2	48.7	48.3	47.9	47.4	72.2	122.1	172.0
115°	80.1	70.2	60.4	50.5	60.4	70.2	80.1	89.9	126.6	189.9	253.3
117.5°	303.3	271.0	238.6	206.2	238.6	271.0	303.3	335.7	359.6	374.9	390.3
120°	431.1	412.7	394.2	375.7	394.2	412.7	431.1	449.6	458.1	456.4	454.8
122.5°	479.6	476.0	472.4	468.8	472.4	476.0	479.6	483.2	484.5	483.5	482.5
125°	525.4	525.8	526.2	526.6	526.2	525.8	525.4	525.0	524.3	523.3	522.4
127.5°	562.8	562.9	563.0	563.1	563.0	562.9	562.8	562.7	562.0	560.6	559.2
130°	586.2	586.0	585.8	585.7	585.8	586.0	586.2	586.3	585.6	584.1	582.6
132.5°	608.3	608.2	608.0	607.9	608.0	608.2	608.3	608.5	607.9	606.6	605.3
135°	640.8	640.5	640.2	639.9	640.2	640.5	640.8	641.0	640.5	639.1	637.7
137.5°	670.5	670.0	669.6	669.1	669.6	670.0	670.5	671.0	670.5	669.2	667.9
140°	689.4	688.7	688.0	687.3	688.0	688.7	689.4	690.1	689.8	688.5	687.3
142.5°	707.1	706.5	705.8	705.1	705.8	706.5	707.1	707.8	707.6	706.5	705.3
145°	731.9	731.2	730.6	729.9	730.6	731.2	731.9	732.5	732.5	731.5	730.6
147.5°	753.4	752.8	752.3	751.7	752.3	752.8	753.4	754.0	753.9	753.2	752.4
150°	767.0	766.3	765.6	764.9	765.6	766.3	767.0	767.7	767.6	766.8	765.9
152.5°	779.0	778.1	777.2	776.3	777.2	778.1	779.0	779.9	780.0	779.1	778.3
155°	795.3	794.3	793.2	792.0	793.2	794.3	795.3	796.4	796.6	795.7	795.0
157.5°	809.7	808.6	807.5	806.5	807.5	808.6	809.7	810.7	810.8	809.9	808.9
160°	817.7	816.7	815.8	814.9	815.8	816.7	817.7	818.6	818.7	817.9	817.1
162.5°	825.3	824.1	822.9	821.7	822.9	824.1	825.3	826.5	826.6	825.6	824.7
165°	835.0	834.0	833.0	832.1	833.0	834.0	835.0	835.9	835.9	835.0	834.0
167.5°	842.3	841.1	839.8	838.6	839.8	841.1	842.3	843.5	843.7	842.7	841.8
170°	846.3	845.0	843.8	842.6	843.8	845.0	846.3	847.5	847.7	846.6	845.7
172.5°	849.2	848.0	846.7	845.5	846.7	848.0	849.2	850.4	850.6	849.6	848.7
175°	852.2	850.8	849.5	848.1	849.5	850.8	852.2	853.6	853.8	852.8	851.9
177.5°	852.6	851.7	850.7	849.7	850.7	851.7	852.6	853.7	853.8	853.0	852.2
180°	851.2	851.2	851.2	851.2	851.2	851.2	851.2	851.2	851.2	851.2	851.2



TEST NUMBER: P331657-935

CATALOG NUMBER: S122RDIP-S485D725U935-4F0-1E-UDD-A

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°	6.5	6.3	6.4	6.1	5.9	6.2	6.2	6.2	6.4	6.9	7.6
90°	13.0	12.3	11.2	10.2	9.0	7.9	6.6	5.2	3.6	2.2	0.6
92.5°	14.6	14.3	13.8	13.2	12.7	12.1	11.9	12.1	12.1	12.3	12.4
95°	24.7	24.0	23.1	22.1	21.2	20.1	22.0	26.5	31.0	35.6	40.0
97.5°	32.7	32.1	30.0	27.7	25.5	23.2	28.5	41.2	54.0	66.7	79.5
100°	36.2	35.1	32.8	30.5	28.2	25.8	34.0	52.8	71.5	90.2	109.0
102.5°	37.5	36.1	55.5	75.0	94.5	113.9	125.6	129.7	133.6	137.6	141.5
105°	39.1	37.5	74.9	112.3	149.6	187.0	203.6	199.6	195.4	191.3	187.3
107.5°	51.1	52.6	97.4	142.2	187.0	231.9	252.6	249.3	246.0	242.6	239.4
110°	94.1	107.8	147.3	186.9	226.4	266.0	284.3	281.5	278.6	275.7	272.9



TEST NUMBER: P331657-935

CATALOG NUMBER: S122RDIP-S485D725U935-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	222.0	271.8	281.6	291.4	301.2	310.9	314.5	312.0	309.4	306.9	304.4
115°	316.7	380.0	376.6	373.2	369.7	366.4	363.4	361.1	358.8	356.5	354.1
117.5°	405.6	420.9	418.5	416.2	413.9	411.5	409.0	406.4	403.8	401.2	398.6
120°	453.1	451.4	449.0	446.5	444.1	441.6	439.4	437.3	435.2	433.2	431.1
122.5°	481.5	480.5	477.9	475.2	472.5	469.8	467.4	465.2	463.0	460.9	458.7
125°	521.4	520.5	517.8	515.2	512.6	510.1	507.8	506.1	504.3	502.5	500.8
127.5°	557.8	556.4	554.5	552.5	550.6	548.6	546.6	544.7	542.8	540.8	538.8
130°	581.1	579.5	578.1	576.5	575.1	573.5	571.7	569.5	567.3	565.2	562.9
132.5°	604.0	602.7	601.2	599.7	598.2	596.7	595.0	593.1	591.3	589.4	587.5
135°	636.4	635.0	633.8	632.5	631.3	630.1	628.4	626.2	624.0	621.8	619.6
137.5°	666.5	665.2	663.7	662.4	661.0	659.6	658.1	656.6	655.0	653.5	652.0
140°	686.1	684.9	683.4	681.9	680.4	678.9	677.5	676.5	675.4	674.2	673.2
142.5°	704.2	703.1	701.4	699.6	697.9	696.2	694.8	693.9	692.9	691.9	691.0
145°	729.6	728.6	726.3	723.9	721.6	719.3	718.2	718.3	718.5	718.6	718.8
147.5°	751.7	751.1	748.7	746.4	744.2	741.8	741.0	741.5	742.0	742.5	743.0
150°	765.2	764.3	762.2	759.9	757.8	755.6	754.9	756.0	756.9	757.9	758.8
152.5°	777.5	776.6	774.6	772.5	770.4	768.4	767.8	768.9	770.0	771.0	772.1
155°	794.1	793.2	791.6	790.0	788.3	786.7	786.5	787.7	788.9	790.2	791.4
157.5°	808.0	807.1	805.9	804.8	803.7	802.5	802.5	803.5	804.5	805.6	806.6
160°	816.3	815.5	814.6	813.8	813.0	812.2	812.2	813.0	813.8	814.6	815.5
162.5°	823.8	822.9	822.2	821.4	820.7	820.0	820.0	820.9	821.7	822.5	823.4
165°	833.0	832.1	831.6	831.3	830.9	830.4	830.6	831.5	832.3	833.1	834.0
167.5°	840.8	839.8	839.5	839.0	838.7	838.3	838.5	839.4	840.2	841.0	841.8
170°	844.7	843.8	843.5	843.3	843.0	842.7	843.0	843.8	844.6	845.4	846.3
172.5°	847.7	846.7	846.4	846.2	845.9	845.7	845.9	846.7	847.6	848.3	849.2
175°	850.9	850.0	849.6	849.4	849.1	848.9	849.2	850.2	851.1	852.0	853.0
177.5°	851.4	850.7	850.6	850.5	850.3	850.2	850.6	851.4	852.1	852.9	853.7
180°	851.2	851.2	851.2	851.2	851.2	851.2	851.2	851.2	851.2	851.2	851.2



TEST NUMBER: P331657-935

CATALOG NUMBER: S122RDIP-S485D725U935-4F0-1E-UDD-A

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°	6.6	5.6	5.7	5.7	6.2	6.5	6.4	6.6	7.1	7.0	7.4
90°	2.2	3.6	5.2	6.6	7.9	9.0	10.2	11.2	12.3	13.0	13.7
92.5°	12.3	12.1	12.1	11.9	12.1	12.7	13.2	13.8	14.3	14.6	15.0
95°	35.6	31.0	26.5	22.0	20.1	21.2	22.1	23.1	24.0	24.7	25.4
97.5°	66.7	54.0	41.2	28.5	23.2	25.5	27.7	30.0	32.1	32.7	33.2
100°	90.2	71.5	52.8	34.0	25.8	28.2	30.5	32.8	35.1	36.2	37.3
102.5°	137.6	133.6	129.7	125.6	113.9	94.5	75.0	55.5	36.1	37.5	38.9
105°	191.3	195.4	199.6	203.6	187.0	149.6	112.3	74.9	37.5	39.1	40.6
107.5°	242.6	246.0	249.3	252.6	231.9	187.0	142.2	97.4	52.6	51.1	49.5
110°	275.7	278.6	281.5	284.3	266.0	226.4	186.9	147.3	107.8	94.1	80.4



TEST NUMBER: P331657-935

CATALOG NUMBER: S122RDIP-S485D725U935-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	306.9	309.4	312.0	314.5	310.9	301.2	291.4	281.6	271.8	222.0	172.0
115°	356.5	358.8	361.1	363.4	366.4	369.7	373.2	376.6	380.0	316.7	253.3
117.5°	401.2	403.8	406.4	409.0	411.5	413.9	416.2	418.5	420.9	405.6	390.3
120°	433.2	435.2	437.3	439.4	441.6	444.1	446.5	449.0	451.4	453.1	454.8
122.5°	460.9	463.0	465.2	467.4	469.8	472.5	475.2	477.9	480.5	481.5	482.5
125°	502.5	504.3	506.1	507.8	510.1	512.6	515.2	517.8	520.5	521.4	522.4
127.5°	540.8	542.8	544.7	546.6	548.6	550.6	552.5	554.5	556.4	557.8	559.2
130°	565.2	567.3	569.5	571.7	573.5	575.1	576.5	578.1	579.5	581.1	582.6
132.5°	589.4	591.3	593.1	595.0	596.7	598.2	599.7	601.2	602.7	604.0	605.3
135°	621.8	624.0	626.2	628.4	630.1	631.3	632.5	633.8	635.0	636.4	637.7
137.5°	653.5	655.0	656.6	658.1	659.6	661.0	662.4	663.7	665.2	666.5	667.9
140°	674.2	675.4	676.5	677.5	678.9	680.4	681.9	683.4	684.9	686.1	687.3
142.5°	691.9	692.9	693.9	694.8	696.2	697.9	699.6	701.4	703.1	704.2	705.3
145°	718.6	718.5	718.3	718.2	719.3	721.6	723.9	726.3	728.6	729.6	730.6
147.5°	742.5	742.0	741.5	741.0	741.8	744.2	746.4	748.7	751.1	751.7	752.4
150°	757.9	756.9	756.0	754.9	755.6	757.8	759.9	762.2	764.3	765.2	765.9
152.5°	771.0	770.0	768.9	767.8	768.4	770.4	772.5	774.6	776.6	777.5	778.3
155°	790.2	788.9	787.7	786.5	786.7	788.3	790.0	791.6	793.2	794.1	795.0
157.5°	805.6	804.5	803.5	802.5	802.5	803.7	804.8	805.9	807.1	808.0	808.9
160°	814.6	813.8	813.0	812.2	812.2	813.0	813.8	814.6	815.5	816.3	817.1
162.5°	822.5	821.7	820.9	820.0	820.0	820.7	821.4	822.2	822.9	823.8	824.7
165°	833.1	832.3	831.5	830.6	830.4	830.9	831.3	831.6	832.1	833.0	834.0
167.5°	841.0	840.2	839.4	838.5	838.3	838.7	839.0	839.5	839.8	840.8	841.8
170°	845.4	844.6	843.8	843.0	842.7	843.0	843.3	843.5	843.8	844.7	845.7
172.5°	848.3	847.6	846.7	845.9	845.7	845.9	846.2	846.4	846.7	847.7	848.7
175°	852.0	851.1	850.2	849.2	848.9	849.1	849.4	849.6	850.0	850.9	851.9
177.5°	852.9	852.1	851.4	850.6	850.2	850.3	850.5	850.6	850.7	851.4	852.2
180°	851.2	851.2	851.2	851.2	851.2	851.2	851.2	851.2	851.2	851.2	851.2



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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°	7.2	7.4	7.5	7.6	7.6	7.7	7.4
90°	14.4	15.1	15.5	15.8	16.1	16.4	16.6
92.5°	15.3	15.7	16.0	16.1	16.3	16.4	16.6
95°	26.1	26.8	27.0	26.9	26.8	26.6	26.5
97.5°	33.8	34.4	34.7	34.9	35.0	35.2	35.4
100°	38.4	39.5	40.2	40.5	40.7	41.0	41.2
102.5°	40.4	41.8	42.7	43.0	43.5	43.8	44.3
105°	42.1	43.6	44.6	45.2	45.7	46.2	46.8
107.5°	48.0	46.5	46.0	46.5	47.1	47.6	48.1
110°	66.7	53.0	46.5	47.0	47.5	48.1	48.6



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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
112.5°	122.1	72.2	47.4	47.9	48.3	48.7	49.2
115°	189.9	126.6	89.9	80.1	70.2	60.4	50.5
117.5°	374.9	359.6	335.7	303.3	271.0	238.6	206.2
120°	456.4	458.1	449.6	431.1	412.7	394.2	375.7
122.5°	483.5	484.5	483.2	479.6	476.0	472.4	468.8
125°	523.3	524.3	525.0	525.4	525.8	526.2	526.6
127.5°	560.6	562.0	562.7	562.8	562.9	563.0	563.1
130°	584.1	585.6	586.3	586.2	586.0	585.8	585.7
132.5°	606.6	607.9	608.5	608.3	608.2	608.0	607.9
135°	639.1	640.5	641.0	640.8	640.5	640.2	639.9
137.5°	669.2	670.5	671.0	670.5	670.0	669.6	669.1
140°	688.5	689.8	690.1	689.4	688.7	688.0	687.3
142.5°	706.5	707.6	707.8	707.1	706.5	705.8	705.1
145°	731.5	732.5	732.5	731.9	731.2	730.6	729.9
147.5°	753.2	753.9	754.0	753.4	752.8	752.3	751.7
150°	766.8	767.6	767.7	767.0	766.3	765.6	764.9
152.5°	779.1	780.0	779.9	779.0	778.1	777.2	776.3
155°	795.7	796.6	796.4	795.3	794.3	793.2	792.0
157.5°	809.9	810.8	810.7	809.7	808.6	807.5	806.5
160°	817.9	818.7	818.6	817.7	816.7	815.8	814.9
162.5°	825.6	826.6	826.5	825.3	824.1	822.9	821.7
165°	835.0	835.9	835.9	835.0	834.0	833.0	832.1
167.5°	842.7	843.7	843.5	842.3	841.1	839.8	838.6
170°	846.6	847.7	847.5	846.3	845.0	843.8	842.6
172.5°	849.6	850.6	850.4	849.2	848.0	846.7	845.5
175°	852.8	853.8	853.6	852.2	850.8	849.5	848.1
177.5°	853.0	853.8	853.7	852.6	851.7	850.7	849.7
180°	851.2	851.2	851.2	851.2	851.2	851.2	851.2

(END OF REPORT)