

PHOTOMETRIC RESULTS

Name:	CYL6-DS_3000K_3400lm		
Type:	LED PENDANT LIGHT	Diameter:	175 mm
Luminaire:	AL.Die-casting, AL.WIDE REF. (AL.ETCHING EMBOSS REF)	Length:	0 mm
Test no.:	LT-2024-08-30-T04	Width	0 mm
Lamp type:	LED37W, 900mA, 3000K, CRI90	Height:	227 mm
No. of lamps:	1	Power:	37.41 W
Lamp flux:	3742.00 lm	Operator:	ASY
Date:	2024-08-30 PM 2:37:20	LOR:	98.8 %
Comment:	LVED PRO 40W/ 220-240/ 950CS, 25-42VDC, MAX40W, 900mA		

Intensity [cd/klm] CYL6-DS_3000K_3400lm / C-Plane measurement

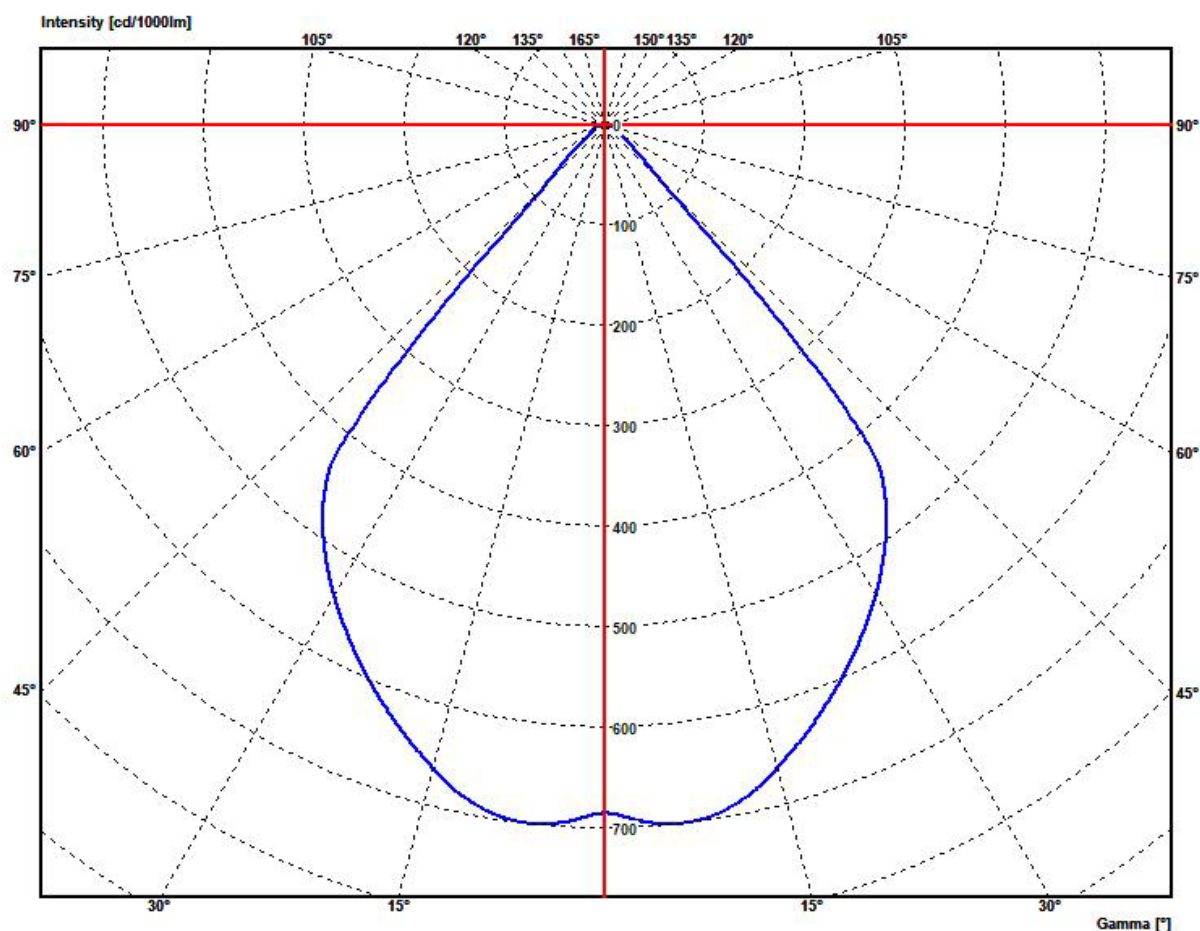
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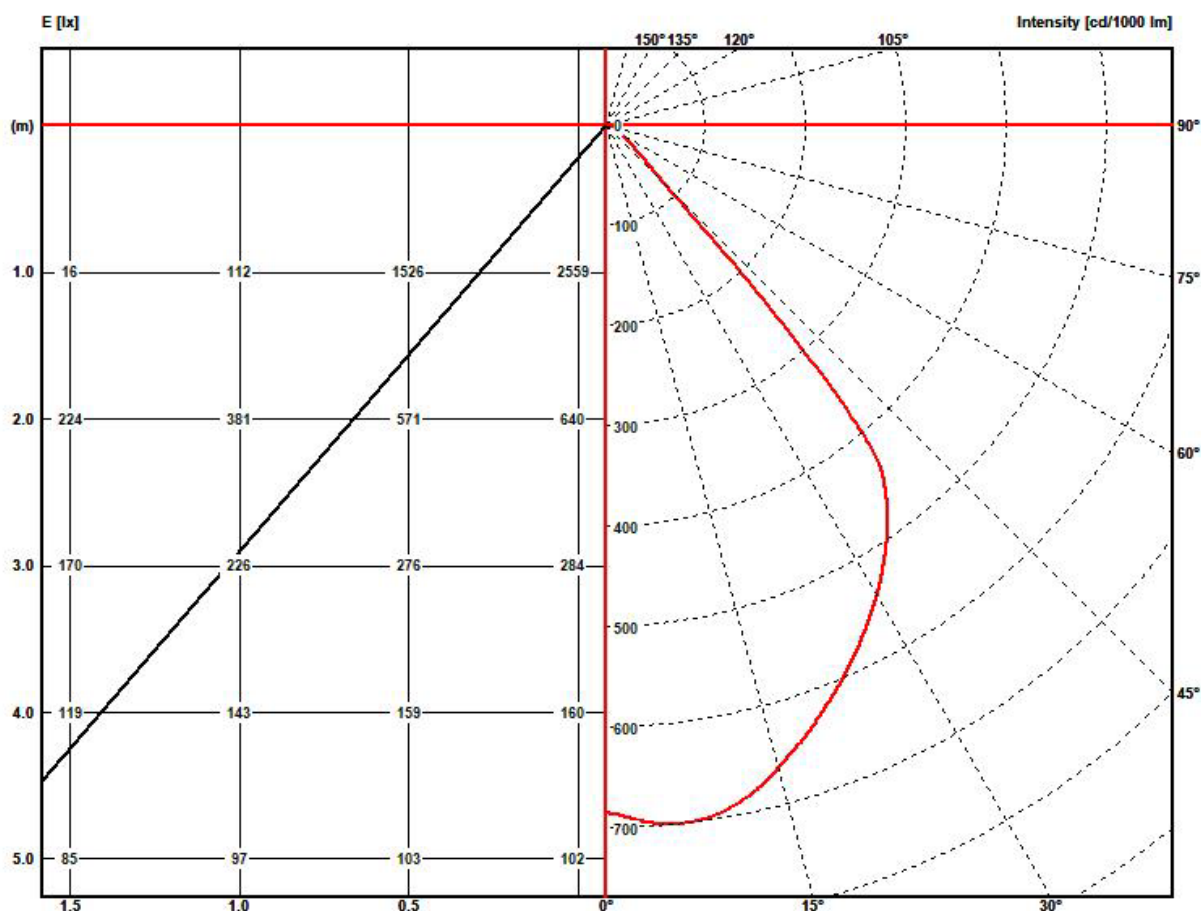
Polar diagram CYL6-DS_3000K_3400lm / C-Plane measurement



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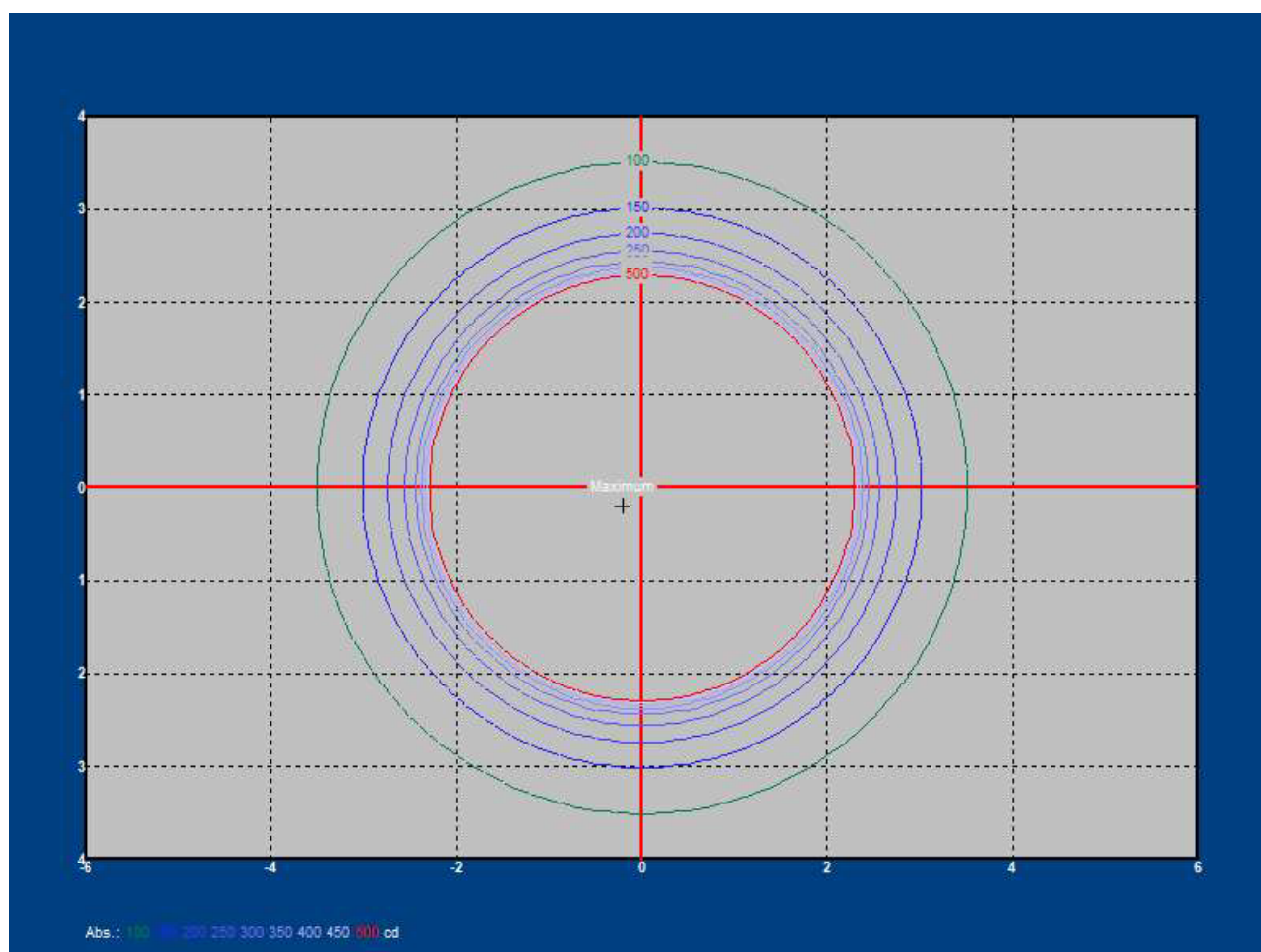
Illuminance and Intensity diagram CYL6-DS_3000K_3400lm / C-Plane measurement



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Isoline diagram CYL6-DS-36 3000K / C-Plane measurement



Luminaire mounting height above ground: 2.4 m

Luminaire rotation angle: 0 °

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Lamp type:	LED37W, 900mA, 3000K, CRI90	Height:	227 mm
No. of lamps:	1	Power:	37.41 W
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LiTG Utilization factors

Ceiling	70	80	80	50	50	80	80	80	50	50	30	0
Wall	50	50	30	50	30	80	50	30	50	30	30	0
Working plane	20	30	30	30	30	10	10	10	10	10	10	0
Roomindices	Utilization coefficients for ceiling mounted luminaires											
0.6	58	59	51	58	51	76	57	50	56	50	50	44
0.8	70	72	64	70	63	85	68	62	67	62	61	56
1	77	79	71	77	70	91	75	69	74	68	68	62
1.25	85	89	81	86	79	97	83	78	82	77	76	71
1.5	90	95	87	91	84	101	88	83	86	81	81	75
2	96	102	94	97	91	104	93	88	91	87	86	81
2.5	101	108	100	102	96	107	97	93	95	91	90	85
3	105	113	106	105	100	109	101	96	98	94	93	88
4	107	117	110	108	103	110	103	99	100	96	95	90
5	110	120	114	110	106	112	105	101	101	98	97	92

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Wall	50	50	30	50	30	80	50	30	50	30	30	0
Working plane	20	30	30	30	30	10	10	10	10	10	10	0
Roomindices	Utilization coefficients for pendant mounted luminaires											
0.6	60	62	53	60	52	79	59	52	57	51	50	44
0.8	72	75	66	72	64	89	71	63	69	62	62	56
1	79	83	74	79	72	94	77	70	75	69	68	62
1.25	88	93	84	88	81	99	86	79	83	78	77	71
1.5	93	99	91	93	87	103	90	84	87	82	81	75
2	99	107	98	99	93	106	95	90	92	88	86	81
2.5	103	112	105	103	98	108	99	94	96	92	90	85
3	107	116	110	107	102	110	102	98	99	95	93	88
4	109	120	114	110	105	111	104	100	100	97	95	90
5	111	123	117	112	108	112	106	102	102	99	97	92

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UGR Unified Glare Ratios

Ceiling reflectance		0.7	0.7	0.5	0.5	0.3	0.7	0.7	0.5	0.5	0.3
Wall reflectance		0.5	0.3	0.5	0.3	0.3	0.5	0.3	0.5	0.3	0.3
Floor cavity reflectance		0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Room dimension		Viewed crosswise					Viewed endwise				
2H	2H	13.4	14.6	13.7	14.9	15.2	13.4	14.6	13.7	14.9	15.2
2H	3H	13.3	14.3	13.7	14.7	15.0	13.3	14.3	13.7	14.7	15.0
2H	4H	13.2	14.2	13.6	14.6	14.9	13.2	14.2	13.6	14.6	14.9
2H	6H	13.2	14.1	13.6	14.5	14.9	13.2	14.1	13.6	14.5	14.9
2H	8H	13.2	14.0	13.6	14.4	14.8	13.2	14.0	13.6	14.4	14.8
2H	12H	13.1	14.0	13.6	14.4	14.8	13.1	14.0	13.6	14.4	14.8
4H	2H	13.1	14.1	13.5	14.5	14.9	13.1	14.1	13.5	14.5	14.9
4H	3H	13.0	13.9	13.5	14.3	14.7	13.0	13.9	13.5	14.3	14.7
4H	4H	13.1	13.8	13.5	14.2	14.6	13.1	13.8	13.5	14.2	14.6
4H	6H	13.0	13.7	13.5	14.1	14.6	13.0	13.7	13.5	14.1	14.6
4H	8H	13.0	13.6	13.5	14.1	14.5	13.0	13.6	13.5	14.1	14.5
4H	12H	13.0	13.6	13.5	14.0	14.5	13.0	13.6	13.5	14.0	14.5
8H	4H	12.9	13.5	13.4	14.0	14.4	12.9	13.5	13.4	14.0	14.4
8H	6H	12.9	13.4	13.4	13.9	14.4	12.9	13.4	13.4	13.9	14.4
8H	8H	13.0	13.4	13.5	13.9	14.4	13.0	13.4	13.5	13.9	14.4
8H	12H	13.0	13.3	13.5	13.8	14.4	13.0	13.3	13.5	13.8	14.4
12H	4H	12.9	13.4	13.4	13.9	14.4	12.9	13.4	13.4	13.9	14.4
12H	6H	12.9	13.3	13.4	13.9	14.3	12.9	13.3	13.4	13.9	14.3
12H	8H	12.9	13.3	13.5	13.8	14.3	12.9	13.3	13.5	13.8	14.3

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Zonal flux CYL6-DS_3000K_3400lm / C-Plane measurement

Gamma [°]	Imin [cd/klm]	Imax [cd/klm]	Imean [cd/klm]	Zonal flux [lm]	Sum. zonal flux [lm]	Rel. zonal flux [%]	Sum. rel. zonal flux [%]
0.0	683.8	683.8	683.8	0.61	0.61	0.02	0.02
1.0	685.8	685.8	685.8	4.91	5.52	0.13	0.15
2.0	689.6	689.6	689.6	9.88	15.40	0.26	0.41
3.0	693.2	693.2	693.2	14.89	30.29	0.40	0.81
4.0	695.9	695.9	695.9	19.92	50.21	0.53	1.34
5.0	697.5	697.5	697.5	24.95	75.15	0.67	2.01
6.0	698.3	698.3	698.3	29.95	105.11	0.80	2.81
7.0	698.0	698.0	698.0	34.91	140.01	0.93	3.74
8.0	696.5	696.5	696.5	39.77	179.79	1.06	4.80
9.0	694.0	694.0	694.0	44.55	224.34	1.19	6.00
10.0	690.8	690.8	690.8	49.22	273.56	1.32	7.31
11.0	686.6	686.6	686.6	53.76	327.32	1.44	8.75
12.0	681.6	681.6	681.6	58.15	385.48	1.55	10.30
13.0	675.8	675.8	675.8	62.38	447.86	1.67	11.97
14.0	669.0	669.0	669.0	66.41	514.27	1.77	13.74
15.0	661.6	661.6	661.6	70.26	584.53	1.88	15.62
16.0	654.1	654.1	654.1	73.98	658.51	1.98	17.60
17.0	646.8	646.8	646.8	77.60	736.11	2.07	19.67
18.0	639.6	639.6	639.6	81.10	817.21	2.17	21.84
19.0	631.9	631.9	631.9	84.42	901.62	2.26	24.09
20.0	623.9	623.9	623.9	87.57	989.19	2.34	26.43
21.0	615.9	615.9	615.9	90.57	1079.76	2.42	28.86
22.0	608.1	608.1	608.1	93.47	1173.23	2.50	31.35
23.0	599.8	599.8	599.8	96.17	1269.40	2.57	33.92
24.0	591.7	591.7	591.7	98.75	1368.15	2.64	36.56
25.0	583.3	583.3	583.3	101.15	1469.31	2.70	39.27
26.0	574.8	574.8	574.8	103.41	1572.71	2.76	42.03
27.0	566.0	566.0	566.0	105.44	1678.15	2.82	44.85
28.0	557.2	557.2	557.2	107.34	1785.49	2.87	47.71

Zonal flux CYL6-DS_3000K_3400lm / C-Plane measurement

Gamma [°]	Imin [cd/klm]	Imax [cd/klm]	Imean [cd/klm]	Zonal flux [lm]	Sum. zonal flux [lm]	Rel. zonal flux [%]	Sum. rel. zonal flux [%]
29.0	548.4	548.4	548.4	109.10	1894.59	2.92	50.63
30.0	539.5	539.5	539.5	110.69	2005.28	2.96	53.59
31.0	530.1	530.1	530.1	112.03	2117.31	2.99	56.58
32.0	520.3	520.3	520.3	113.14	2230.45	3.02	59.61
33.0	510.3	510.3	510.3	114.05	2344.49	3.05	62.65
34.0	500.0	500.0	500.0	114.74	2459.24	3.07	65.72
35.0	489.2	489.2	489.2	115.13	2574.37	3.08	68.80
36.0	477.4	477.4	477.4	115.14	2689.51	3.08	71.87
37.0	465.2	465.2	465.2	114.87	2804.38	3.07	74.94
38.0	450.2	450.2	450.2	113.73	2918.11	3.04	77.98
39.0	432.5	432.5	432.5	111.68	3029.79	2.98	80.97
40.0	392.3	392.3	392.3	103.47	3133.26	2.77	83.73
41.0	326.6	326.6	326.6	87.92	3221.19	2.35	86.08
42.0	248.7	248.7	248.7	68.28	3289.47	1.82	87.91
43.0	172.7	172.7	172.7	48.34	3337.81	1.29	89.20
44.0	111.9	111.9	111.9	31.90	3369.71	0.85	90.05
45.0	84.9	84.9	84.9	24.65	3394.36	0.66	90.71
46.0	73.5	73.5	73.5	21.68	3416.04	0.58	91.29
47.0	64.8	64.8	64.8	19.45	3435.48	0.52	91.81
48.0	58.1	58.1	58.1	17.72	3453.20	0.47	92.28
49.0	52.1	52.1	52.1	16.14	3469.34	0.43	92.71
50.0	46.8	46.8	46.8	14.71	3484.04	0.39	93.11
51.0	42.0	42.0	42.0	13.40	3497.44	0.36	93.46
52.0	37.8	37.8	37.8	12.24	3509.67	0.33	93.79
53.0	34.2	34.2	34.2	11.20	3520.87	0.30	94.09
54.0	31.0	31.0	31.0	10.30	3531.17	0.28	94.37
55.0	28.3	28.3	28.3	9.50	3540.67	0.25	94.62
56.0	25.8	25.8	25.8	8.76	3549.44	0.23	94.85
57.0	23.7	23.7	23.7	8.15	3557.59	0.22	95.07
58.0	21.9	21.9	21.9	7.62	3565.21	0.20	95.28
59.0	20.3	20.3	20.3	7.15	3572.36	0.19	95.47
60.0	18.9	18.9	18.9	6.73	3579.09	0.18	95.65
61.0	17.8	17.8	17.8	6.38	3585.47	0.17	95.82
62.0	16.9	16.9	16.9	6.11	3591.58	0.16	95.98
63.0	16.0	16.0	16.0	5.86	3597.44	0.16	96.14
64.0	15.3	15.3	15.3	5.66	3603.10	0.15	96.29
65.0	14.7	14.7	14.7	5.48	3608.58	0.15	96.43
66.0	14.2	14.2	14.2	5.32	3613.90	0.14	96.58
67.0	13.8	13.8	13.8	5.20	3619.10	0.14	96.72
68.0	13.4	13.4	13.4	5.10	3624.20	0.14	96.85
69.0	13.0	13.0	13.0	5.00	3629.19	0.13	96.99
70.0	12.7	12.7	12.7	4.89	3634.08	0.13	97.12
71.0	12.4	12.4	12.4	4.81	3638.89	0.13	97.24

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72.0	12.1	12.1	12.1	4.71	3643.60	0.13	97.37
73.0	11.8	11.8	11.8	4.63	3648.23	0.12	97.49
74.0	11.5	11.5	11.5	4.52	3652.75	0.12	97.61
75.0	11.2	11.2	11.2	4.42	3657.17	0.12	97.73
76.0	10.8	10.8	10.8	4.32	3661.49	0.12	97.85
77.0	10.5	10.5	10.5	4.20	3665.69	0.11	97.96
78.0	10.2	10.2	10.2	4.08	3669.77	0.11	98.07
79.0	9.7	9.7	9.7	3.92	3673.69	0.10	98.17
80.0	9.3	9.3	9.3	3.77	3677.46	0.10	98.28
81.0	8.9	8.9	8.9	3.62	3681.07	0.10	98.37
82.0	8.4	8.4	8.4	3.43	3684.50	0.09	98.46
83.0	7.9	7.9	7.9	3.20	3687.70	0.09	98.55
84.0	7.1	7.1	7.1	2.91	3690.62	0.08	98.63
85.0	5.9	5.9	5.9	2.41	3693.03	0.06	98.69
86.0	4.7	4.7	4.7	1.91	3694.94	0.05	98.74
87.0	3.5	3.5	3.5	1.42	3696.36	0.04	98.78
88.0	2.3	2.3	2.3	0.96	3697.32	0.03	98.81
89.0	1.2	1.2	1.2	0.51	3697.83	0.01	98.82
90.0	0.5	0.5	0.5	0.22	3698.05	0.01	98.83