

Intensity [cd/klm] CTL-10-PH-350-TFL 3000K / C-Plane measurement

[illegible]

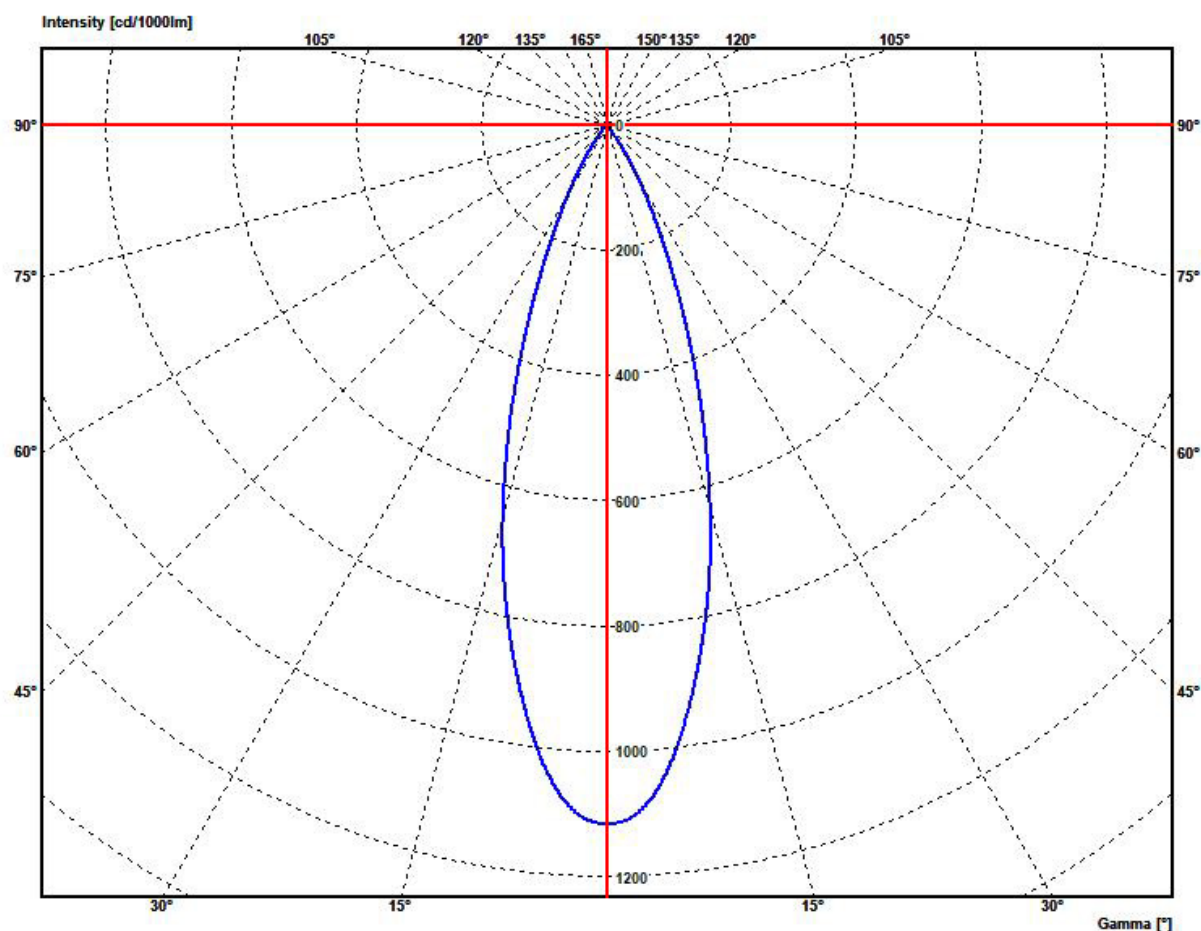
Intensity [cd/klm] CTL-10-PH-350-TFL 3000K / C-Plane measurement

[illegible]

PHOTOMETRIC RESULTS

Name:	CTL-10-PH-350-TFL 3000K		
Type:	LED DOWN LIGHT	Diameter:	30 mm
Luminaire:	AL.Die-casting, PC.MEDIUM LENS.Ø35	Length:	0 mm
Test no.:	LT-2023-11-29-T05	Width:	0 mm
Lamp type:	LED10W, 700mA, 3000K, CRI90	Height:	90 mm
No. of lamps:	1	Power:	10.41 W
Lamp flux:	820.00 lm	Operator:	ASY
Date:	2023-11-29 AM 11:41:56	LOR:	43.7 %
Comment:	EAGL CRISE LS-8-700 SI E1 9.1W Max, 8-13VDC, 700mA		

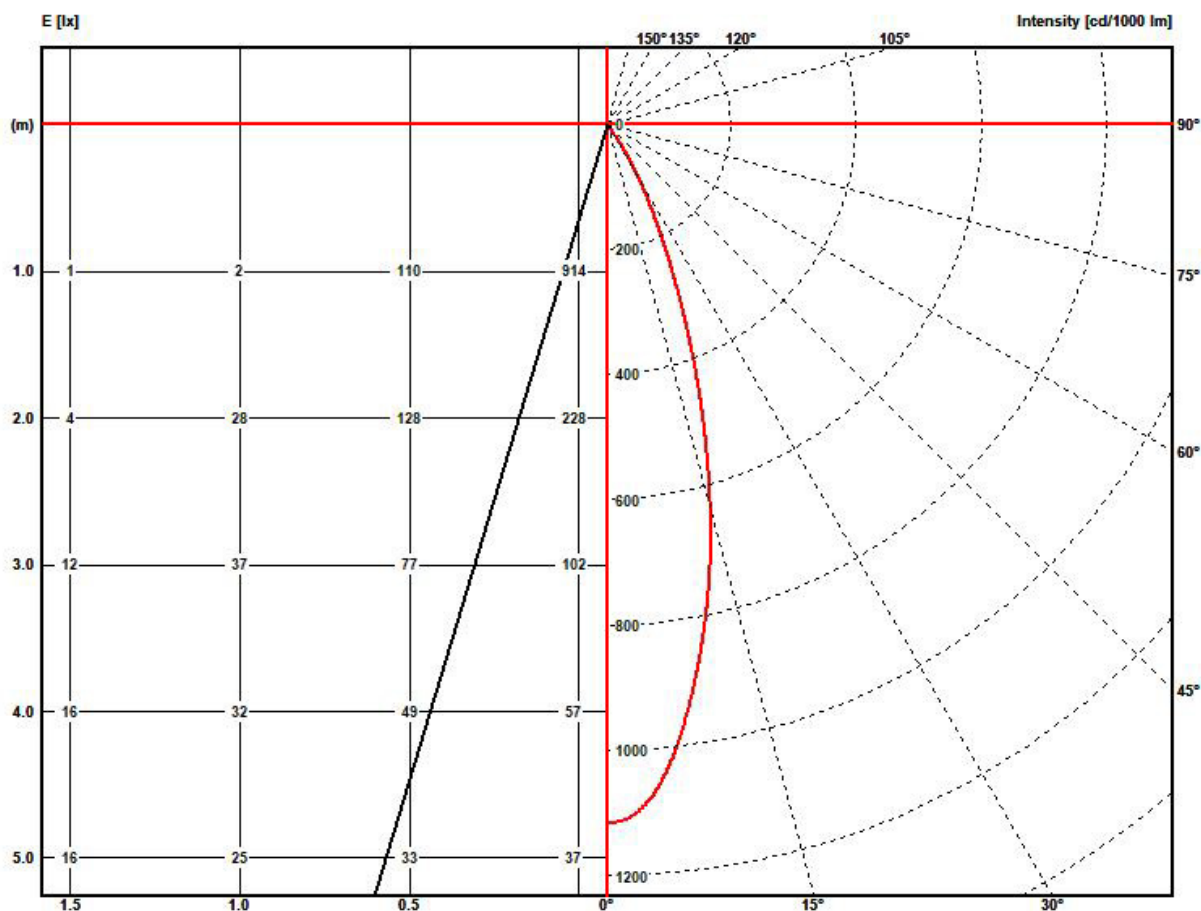
Polar diagram CTL-10-PH-350-TFL 3000K / C-Plane measurement



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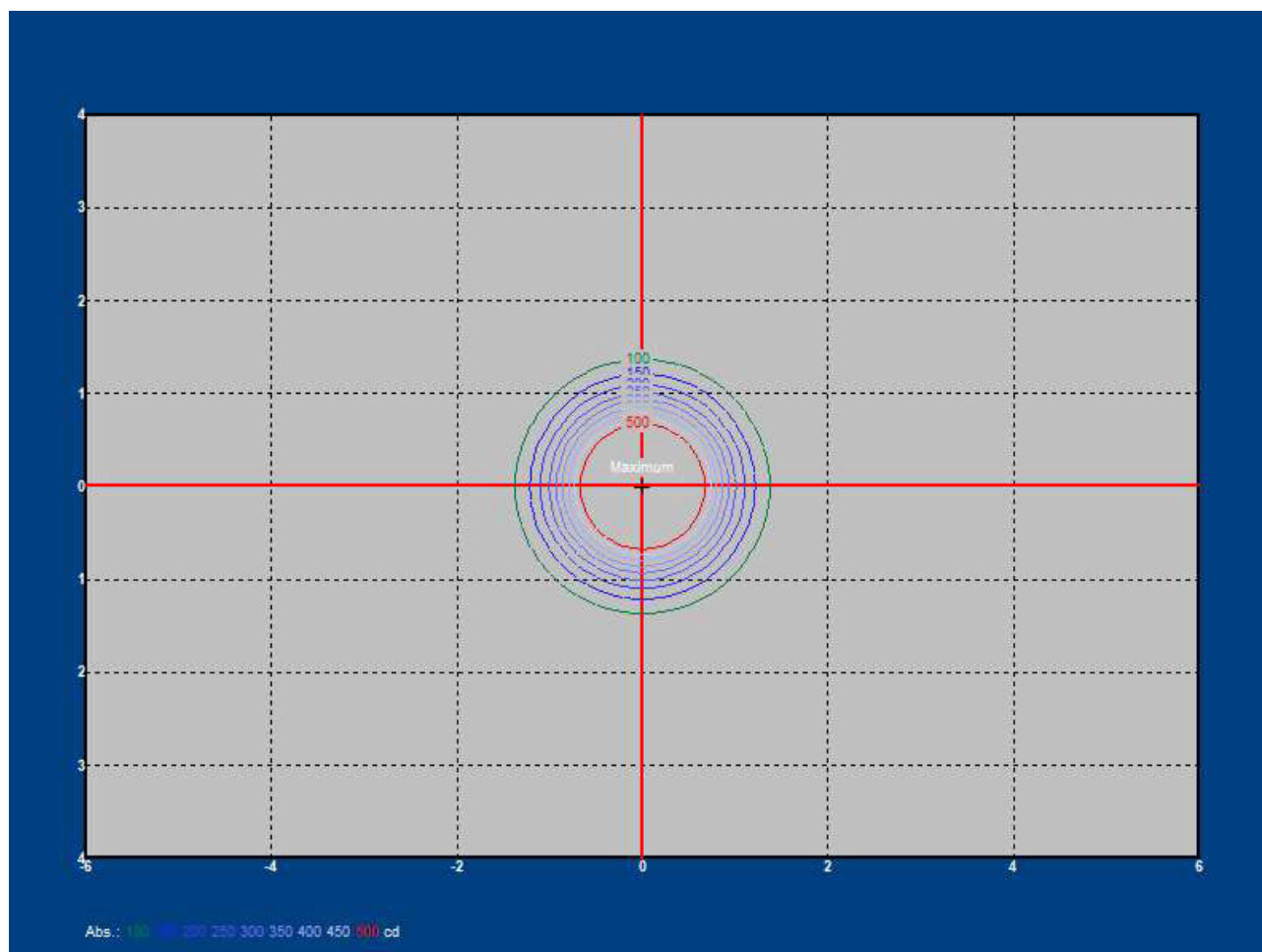
Illuminance and Intensity diagram CTL-10-PH-350-TFL 3000K / C-Plane measurement



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No. of lamps:	1	Power:	10.41 W
Lamp flux:	820.00 lm	Operator:	ASY
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Isoline diagram CTL-10-PH-350-TFL 3000K / C-Plane measurement



Luminaire mounting height above ground: 2.4 m

Luminaire rotation angle: 0 °

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Lamp flux:	820.00 lm	Operator:	ASY
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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	35	36	34	35	34	38	34	33	34	33	33	32
0.8	38	39	37	38	36	40	37	36	37	35	35	34
1	39	41	38	40	38	42	38	37	38	37	37	36
1.25	42	43	41	42	40	43	41	39	40	39	39	38
1.5	43	45	43	43	42	44	41	40	41	40	40	39
2	44	47	45	45	43	45	43	42	42	41	41	40
2.5	45	48	46	45	44	45	43	42	42	42	41	40
3	46	49	47	46	45	46	44	43	43	42	42	41
4	46	50	48	47	46	46	44	43	43	43	42	41
5	47	51	49	47	46	46	45	44	43	43	42	41

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 pendant mounted luminaires											
0.6	36	37	35	36	34	39	35	34	35	33	33	32
0.8	39	40	38	39	37	41	38	37	37	36	36	34
1	40	43	40	41	39	43	39	38	39	37	37	36
1.25	43	45	43	43	42	44	42	41	41	40	39	38
1.5	44	47	45	44	43	45	43	42	41	41	40	39
2	45	49	47	46	44	45	44	43	42	42	41	40
2.5	46	50	48	46	45	46	44	44	43	42	42	40
3	47	51	50	47	46	46	45	44	43	43	42	41
4	48	52	51	48	47	46	45	45	44	43	42	41
5	48	53	52	48	47	46	46	45	44	44	43	41

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Lamp flux:	820.00 lm	Operator:	ASY
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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	11.6	12.4	12.0	12.7	13.0	11.6	12.4	12.0	12.7	13.0
2H	3H	12.2	12.9	12.5	13.2	13.6	12.2	12.9	12.5	13.2	13.6
2H	4H	12.5	13.2	12.9	13.5	13.9	12.5	13.2	12.9	13.5	13.9
2H	6H	12.7	13.4	13.2	13.8	14.2	12.7	13.4	13.2	13.8	14.2
2H	8H	12.8	13.4	13.2	13.8	14.2	12.8	13.4	13.2	13.8	14.2
2H	12H	12.7	13.3	13.2	13.7	14.1	12.7	13.3	13.2	13.7	14.1
4H	2H	11.6	12.3	12.0	12.6	13.0	11.6	12.3	12.0	12.6	13.0
4H	3H	12.3	12.9	12.7	13.3	13.7	12.3	12.9	12.7	13.3	13.7
4H	4H	12.8	13.3	13.2	13.7	14.2	12.8	13.3	13.2	13.7	14.2
4H	6H	13.1	13.6	13.6	14.0	14.5	13.1	13.6	13.6	14.0	14.5
4H	8H	13.2	13.6	13.7	14.1	14.6	13.2	13.6	13.7	14.1	14.6
4H	12H	13.2	13.6	13.7	14.1	14.6	13.2	13.6	13.7	14.1	14.6
8H	4H	12.8	13.2	13.3	13.7	14.2	12.8	13.2	13.3	13.7	14.2
8H	6H	13.2	13.6	13.7	14.1	14.6	13.2	13.6	13.7	14.1	14.6
8H	8H	13.4	13.7	13.9	14.2	14.7	13.4	13.7	13.9	14.2	14.7
8H	12H	13.4	13.7	14.0	14.2	14.7	13.4	13.7	14.0	14.2	14.7
12H	4H	12.8	13.2	13.3	13.6	14.2	12.8	13.2	13.3	13.6	14.2
12H	6H	13.3	13.6	13.8	14.1	14.6	13.3	13.6	13.8	14.1	14.6
12H	8H	13.4	13.6	13.9	14.2	14.7	13.4	13.6	13.9	14.2	14.7

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Comment:	EAGL CRISE LS-8-700 SI E1 9.1W Max, 8-13VDC, 700mA		

Zonal flux CTL-10-PH-350-TFL 3000K / 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	1114.2	1114.2	1114.2	0.22	0.22	0.03	0.03
1.0	1111.6	1111.6	1111.6	1.74	1.96	0.21	0.24
2.0	1103.8	1103.8	1103.8	3.46	5.43	0.42	0.66
3.0	1089.8	1089.8	1089.8	5.13	10.56	0.63	1.29
4.0	1069.6	1069.6	1069.6	6.71	17.27	0.82	2.11
5.0	1043.5	1043.5	1043.5	8.18	25.44	1.00	3.10
6.0	1012.6	1012.6	1012.6	9.52	34.96	1.16	4.26
7.0	976.9	976.9	976.9	10.71	45.67	1.31	5.57
8.0	938.7	938.7	938.7	11.75	57.41	1.43	7.00
9.0	899.5	899.5	899.5	12.65	70.07	1.54	8.54
10.0	858.6	858.6	858.6	13.41	83.47	1.63	10.18
11.0	816.6	816.6	816.6	14.01	97.48	1.71	11.89
12.0	774.7	774.7	774.7	14.48	111.97	1.77	13.65
13.0	731.2	731.2	731.2	14.79	126.76	1.80	15.46
14.0	686.6	686.6	686.6	14.94	141.70	1.82	17.28
15.0	640.0	640.0	640.0	14.89	156.59	1.82	19.10
16.0	593.3	593.3	593.3	14.71	171.30	1.79	20.89
17.0	547.0	547.0	547.0	14.38	185.68	1.75	22.64
18.0	501.2	501.2	501.2	13.93	199.61	1.70	24.34
19.0	456.3	456.3	456.3	13.36	212.96	1.63	25.97
20.0	412.4	412.4	412.4	12.68	225.65	1.55	27.52
21.0	370.7	370.7	370.7	11.95	237.59	1.46	28.97
22.0	331.6	331.6	331.6	11.17	248.76	1.36	30.34
23.0	294.8	294.8	294.8	10.36	259.12	1.26	31.60
24.0	261.4	261.4	261.4	9.56	268.68	1.17	32.77
25.0	230.3	230.3	230.3	8.75	277.44	1.07	33.83
26.0	202.3	202.3	202.3	7.97	285.41	0.97	34.81
27.0	176.9	176.9	176.9	7.22	292.63	0.88	35.69
28.0	153.9	153.9	153.9	6.50	299.13	0.79	36.48
29.0	134.2	134.2	134.2	5.85	304.98	0.71	37.19

Zonal flux CTL-10-PH-350-TFL 3000K / 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 [%]
30.0	116.2	116.2	116.2	5.22	310.21	0.64	37.83
31.0	99.5	99.5	99.5	4.61	314.82	0.56	38.39
32.0	84.7	84.7	84.7	4.04	318.85	0.49	38.88
33.0	71.9	71.9	71.9	3.52	322.37	0.43	39.31
34.0	60.2	60.2	60.2	3.03	325.40	0.37	39.68
35.0	50.4	50.4	50.4	2.60	328.00	0.32	40.00
36.0	41.6	41.6	41.6	2.20	330.20	0.27	40.27
37.0	34.0	34.0	34.0	1.84	332.04	0.22	40.49
38.0	27.7	27.7	27.7	1.53	333.57	0.19	40.68
39.0	22.2	22.2	22.2	1.26	334.83	0.15	40.83
40.0	17.9	17.9	17.9	1.03	335.86	0.13	40.96
41.0	14.6	14.6	14.6	0.86	336.73	0.11	41.06
42.0	12.3	12.3	12.3	0.74	337.46	0.09	41.15
43.0	10.4	10.4	10.4	0.64	338.10	0.08	41.23
44.0	9.1	9.1	9.1	0.57	338.67	0.07	41.30
45.0	8.3	8.3	8.3	0.53	339.19	0.06	41.37
46.0	7.6	7.6	7.6	0.49	339.68	0.06	41.42
47.0	7.4	7.4	7.4	0.49	340.17	0.06	41.48
48.0	7.4	7.4	7.4	0.50	340.67	0.06	41.55
49.0	7.4	7.4	7.4	0.51	341.18	0.06	41.61
50.0	7.6	7.6	7.6	0.52	341.70	0.06	41.67
51.0	7.6	7.6	7.6	0.53	342.23	0.06	41.74
52.0	7.6	7.6	7.6	0.54	342.77	0.07	41.80
53.0	7.6	7.6	7.6	0.55	343.31	0.07	41.87
54.0	7.6	7.6	7.6	0.55	343.86	0.07	41.93
55.0	7.6	7.6	7.6	0.56	344.42	0.07	42.00
56.0	7.6	7.6	7.6	0.56	344.99	0.07	42.07
57.0	7.4	7.4	7.4	0.56	345.55	0.07	42.14
58.0	7.4	7.4	7.4	0.57	346.12	0.07	42.21
59.0	7.4	7.4	7.4	0.57	346.69	0.07	42.28
60.0	7.4	7.4	7.4	0.58	347.27	0.07	42.35
61.0	7.4	7.4	7.4	0.58	347.85	0.07	42.42
62.0	7.2	7.2	7.2	0.57	348.43	0.07	42.49
63.0	6.9	6.9	6.9	0.55	348.98	0.07	42.56
64.0	6.4	6.4	6.4	0.52	349.50	0.06	42.62
65.0	6.4	6.4	6.4	0.52	350.02	0.06	42.69
66.0	6.4	6.4	6.4	0.52	350.54	0.06	42.75
67.0	6.4	6.4	6.4	0.53	351.07	0.06	42.81
68.0	6.4	6.4	6.4	0.53	351.60	0.06	42.88
69.0	6.2	6.2	6.2	0.52	352.12	0.06	42.94
70.0	5.8	5.8	5.8	0.49	352.61	0.06	43.00
71.0	5.4	5.4	5.4	0.46	353.07	0.06	43.06
72.0	5.3	5.3	5.3	0.45	353.53	0.06	43.11

Zonal flux CTL-10-PH-350-TFL 3000K / 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 [%]
73.0	5.3	5.3	5.3	0.46	353.98	0.06	43.17
74.0	5.3	5.3	5.3	0.46	354.44	0.06	43.22
75.0	5.2	5.2	5.2	0.45	354.89	0.05	43.28
76.0	4.6	4.6	4.6	0.40	355.29	0.05	43.33
77.0	4.3	4.3	4.3	0.38	355.67	0.05	43.37
78.0	4.3	4.3	4.3	0.37	356.04	0.05	43.42
79.0	4.0	4.0	4.0	0.36	356.40	0.04	43.46
80.0	3.3	3.3	3.3	0.29	356.69	0.04	43.50
81.0	3.2	3.2	3.2	0.28	356.97	0.03	43.53
82.0	2.7	2.7	2.7	0.24	357.22	0.03	43.56
83.0	2.1	2.1	2.1	0.19	357.41	0.02	43.59
84.0	2.0	2.0	2.0	0.17	357.58	0.02	43.61
85.0	1.1	1.1	1.1	0.10	357.68	0.01	43.62
86.0	1.1	1.1	1.1	0.10	357.77	0.01	43.63
87.0	0.9	0.9	0.9	0.08	357.85	0.01	43.64
88.0	0.6	0.6	0.6	0.06	357.91	0.01	43.65
89.0	0.2	0.2	0.2	0.02	357.93	0.00	43.65
90.0	0.1	0.1	0.1	0.01	357.94	0.00	43.65