

PHOTOMETRIC RESULTS

Name:	CTL-7-CR-300-TWF 4000K		
Type:	LED DOWN LIGHT	Diameter:	30 mm
Luminaire:	AL.Die-casting, PC.MEDIUM LENS. Ø30	Length:	0 mm
Test no.:	LT-2023-11-29-T02	Width	0 mm
Lamp type:	LED18W, 450mA, 4000K, CRI90	Height:	81 mm
No. of lamps:	1	Power:	7.45 W
Lamp flux:	586.00 lm	Operator:	ASY
Date:	2023-11-29 AM 10:23:16	LOR:	69.4 %
Comment:	EAGL CRISE LS-6-500 SI E 6W Max, 5-12VDC, 500mA		

Intensity [cd/klm] CTL-7-CR-300-TWF 4000K / C-Plane measurement

[illegible]

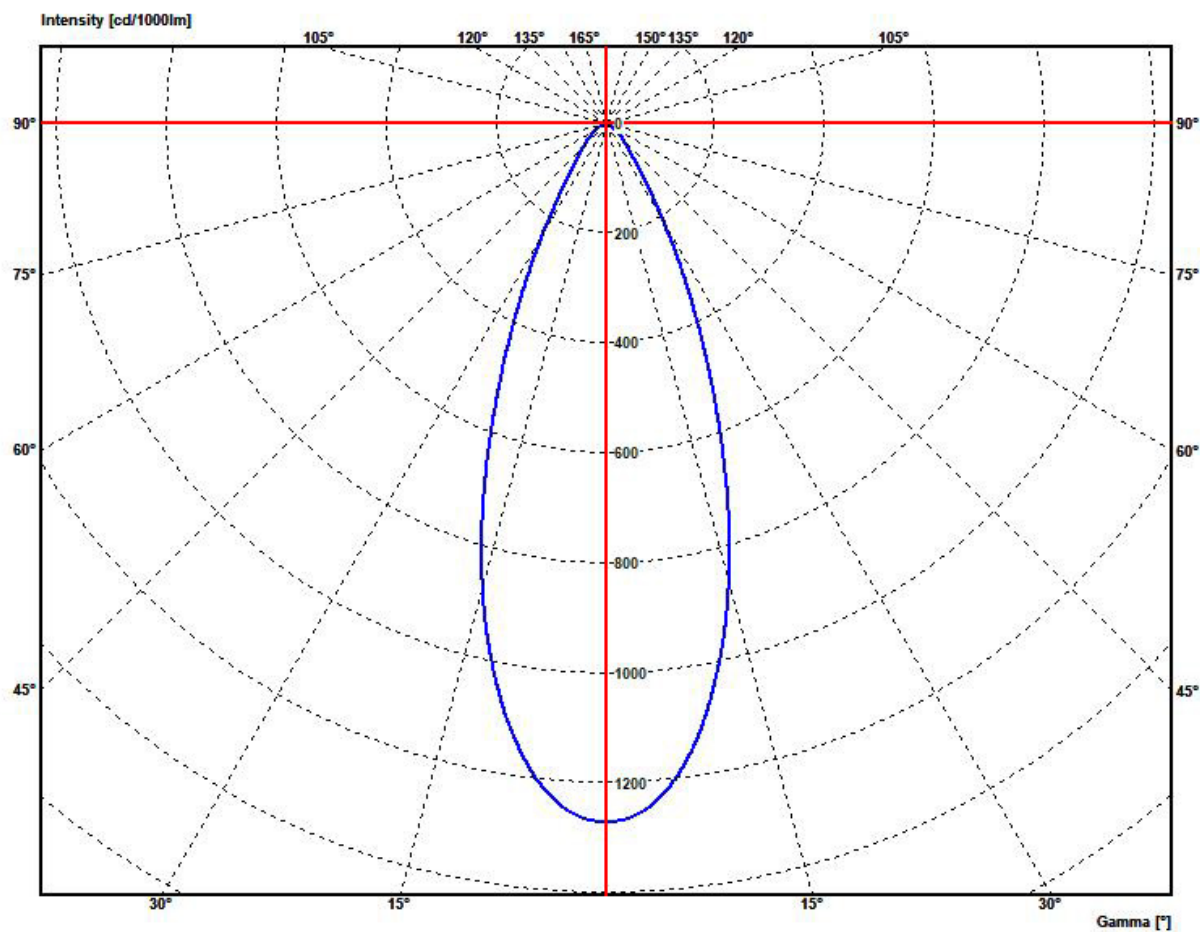
**Intensity [cd/klm] CTL-7-CR-300-TWF 4000K /
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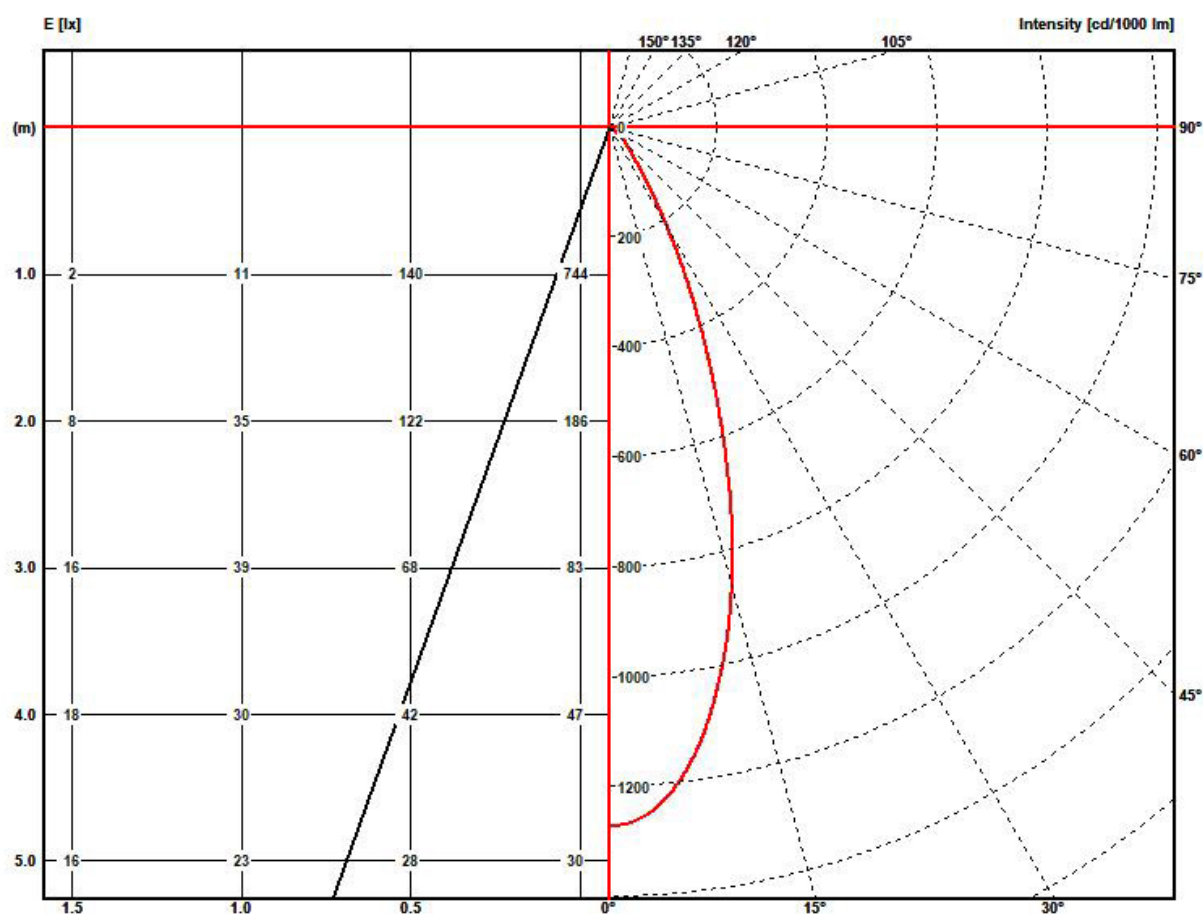
Polar diagram CTL-7-CR-300-TWF 4000K / C-Plane measurement



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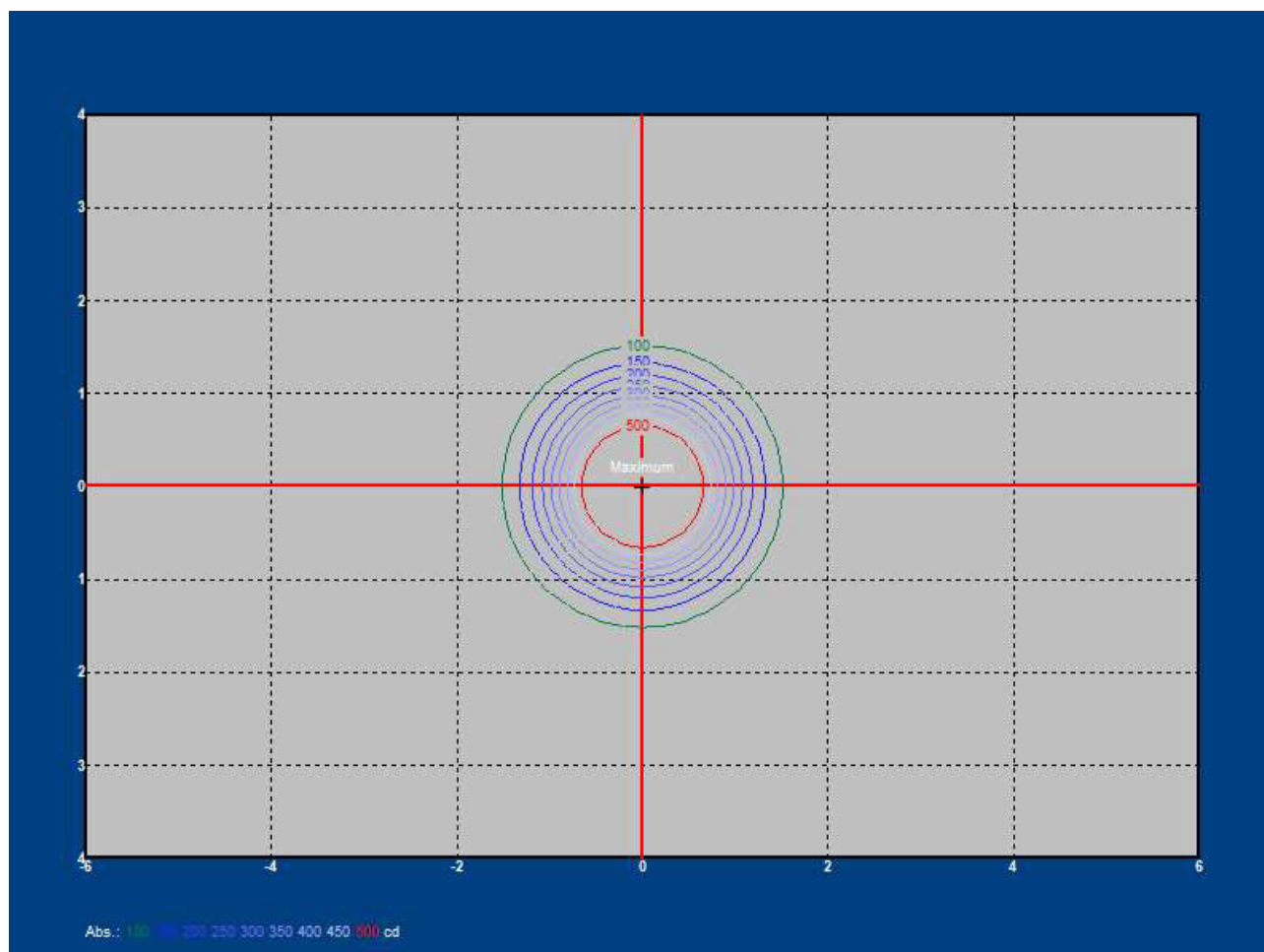
Illuminance and Intensity diagram CTL-7-CR-300-TWF 4000K / C-Plane measurement



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Isoline diagram CTL-7-CR-300-TWF 4000K / C-Plane measurement



Luminaire mounting height above ground: 2.4 m

Luminaire rotation angle: 0 °

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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	51	52	49	52	49	58	50	48	50	48	48	46
0.8	56	58	54	57	54	62	55	53	55	52	52	50
1	59	62	58	60	57	65	58	56	58	55	55	53
1.25	64	67	63	65	62	68	62	60	62	60	60	58
1.5	66	69	66	67	64	69	64	62	63	62	61	59
2	69	73	69	69	67	70	66	65	65	64	63	61
2.5	70	75	72	71	69	71	68	66	66	65	64	62
3	72	77	74	73	70	72	69	68	68	66	66	64
4	73	79	76	74	72	73	70	68	68	67	66	64
5	74	81	78	75	73	73	71	69	69	68	67	64

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	53	55	51	53	50	60	52	49	51	49	48	46
0.8	58	61	56	58	55	64	57	54	56	53	53	50
1	62	65	61	62	58	66	60	57	58	56	56	53
1.25	66	70	66	66	64	69	64	62	62	61	60	58
1.5	68	73	69	68	66	70	66	64	64	63	62	59
2	71	76	73	71	69	71	68	67	66	65	64	61
2.5	72	79	76	73	71	72	70	68	67	66	65	62
3	74	81	78	74	73	73	71	70	68	68	66	64
4	75	83	80	75	74	73	71	70	69	68	67	64
5	76	84	82	76	75	73	72	71	69	69	67	64

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Lamp flux:	586.00 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	18.2	19.1	18.5	19.4	19.7	18.2	19.1	18.5	19.4	19.7
2H	3H	18.2	19.1	18.6	19.4	19.7	18.2	19.1	18.6	19.4	19.7
2H	4H	18.2	18.9	18.6	19.3	19.7	18.2	18.9	18.6	19.3	19.7
2H	6H	18.1	18.8	18.5	19.2	19.6	18.1	18.8	18.5	19.2	19.6
2H	8H	18.0	18.7	18.4	19.1	19.5	18.0	18.7	18.4	19.1	19.5
2H	12H	17.9	18.6	18.3	19.0	19.4	17.9	18.6	18.3	19.0	19.4
4H	2H	18.1	18.9	18.5	19.2	19.6	18.1	18.9	18.5	19.2	19.6
4H	3H	18.1	18.8	18.6	19.2	19.6	18.1	18.8	18.6	19.2	19.6
4H	4H	18.1	18.7	18.5	19.1	19.5	18.1	18.7	18.5	19.1	19.5
4H	6H	18.0	18.5	18.4	18.9	19.4	18.0	18.5	18.4	18.9	19.4
4H	8H	17.9	18.4	18.4	18.8	19.3	17.9	18.4	18.4	18.8	19.3
4H	12H	17.9	18.3	18.3	18.7	19.3	17.9	18.3	18.3	18.7	19.3
8H	4H	17.9	18.4	18.4	18.8	19.3	17.9	18.4	18.4	18.8	19.3
8H	6H	17.8	18.1	18.3	18.6	19.1	17.8	18.1	18.3	18.6	19.1
8H	8H	17.7	18.1	18.3	18.6	19.1	17.7	18.1	18.3	18.6	19.1
8H	12H	17.7	17.9	18.2	18.5	19.0	17.7	17.9	18.2	18.5	19.0
12H	4H	17.9	18.3	18.3	18.7	19.3	17.9	18.3	18.3	18.7	19.3
12H	6H	17.7	18.1	18.3	18.6	19.1	17.7	18.1	18.3	18.6	19.1
12H	8H	17.7	17.9	18.2	18.5	19.0	17.7	17.9	18.2	18.5	19.0

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Zonal flux CTL-7-CR-300-TWF 4000K / 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	1269.7	1269.7	1269.7	0.18	0.18	0.03	0.03
1.0	1267.8	1267.8	1267.8	1.42	1.60	0.24	0.27
2.0	1261.9	1261.9	1261.9	2.83	4.43	0.48	0.76
3.0	1252.0	1252.0	1252.0	4.21	8.64	0.72	1.47
4.0	1238.2	1238.2	1238.2	5.55	14.19	0.95	2.42
5.0	1220.2	1220.2	1220.2	6.83	21.02	1.17	3.59
6.0	1198.5	1198.5	1198.5	8.05	29.08	1.37	4.96
7.0	1172.7	1172.7	1172.7	9.18	38.26	1.57	6.53
8.0	1143.5	1143.5	1143.5	10.23	48.49	1.75	8.27
9.0	1111.5	1111.5	1111.5	11.17	59.66	1.91	10.18
10.0	1076.0	1076.0	1076.0	12.01	71.67	2.05	12.23
11.0	1037.5	1037.5	1037.5	12.72	84.39	2.17	14.40
12.0	997.8	997.8	997.8	13.33	97.72	2.27	16.68
13.0	956.4	956.4	956.4	13.82	111.54	2.36	19.03
14.0	912.3	912.3	912.3	14.18	125.73	2.42	21.46
15.0	865.7	865.7	865.7	14.40	140.13	2.46	23.91
16.0	818.2	818.2	818.2	14.49	154.62	2.47	26.39
17.0	769.6	769.6	769.6	14.46	169.08	2.47	28.85
18.0	719.9	719.9	719.9	14.30	183.37	2.44	31.29
19.0	668.9	668.9	668.9	14.00	197.37	2.39	33.68
20.0	618.5	618.5	618.5	13.59	210.96	2.32	36.00
21.0	568.9	568.9	568.9	13.10	224.06	2.24	38.24
22.0	521.9	521.9	521.9	12.56	236.63	2.14	40.38
23.0	476.0	476.0	476.0	11.95	248.58	2.04	42.42
24.0	432.9	432.9	432.9	11.31	259.89	1.93	44.35
25.0	391.8	391.8	391.8	10.64	270.53	1.82	46.17
26.0	354.0	354.0	354.0	9.97	280.51	1.70	47.87
27.0	317.6	317.6	317.6	9.27	289.77	1.58	49.45
28.0	283.7	283.7	283.7	8.56	298.33	1.46	50.91
29.0	253.5	253.5	253.5	7.90	306.23	1.35	52.26

Zonal flux CTL-7-CR-300-TWF 4000K / 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	225.2	225.2	225.2	7.23	313.46	1.23	53.49
31.0	198.5	198.5	198.5	6.57	320.03	1.12	54.61
32.0	175.1	175.1	175.1	5.96	326.00	1.02	55.63
33.0	155.1	155.1	155.1	5.43	331.42	0.93	56.56
34.0	138.5	138.5	138.5	4.98	336.40	0.85	57.41
35.0	123.7	123.7	123.7	4.56	340.96	0.78	58.18
36.0	110.9	110.9	110.9	4.19	345.15	0.71	58.90
37.0	100.1	100.1	100.1	3.87	349.02	0.66	59.56
38.0	90.9	90.9	90.9	3.60	352.62	0.61	60.17
39.0	82.8	82.8	82.8	3.35	355.97	0.57	60.75
40.0	76.0	76.0	76.0	3.14	359.10	0.54	61.28
41.0	70.1	70.1	70.1	2.96	362.06	0.50	61.79
42.0	64.9	64.9	64.9	2.79	364.85	0.48	62.26
43.0	60.3	60.3	60.3	2.64	367.50	0.45	62.71
44.0	56.2	56.2	56.2	2.51	370.00	0.43	63.14
45.0	52.6	52.6	52.6	2.39	372.40	0.41	63.55
46.0	49.5	49.5	49.5	2.29	374.69	0.39	63.94
47.0	46.6	46.6	46.6	2.19	376.88	0.37	64.31
48.0	43.6	43.6	43.6	2.08	378.96	0.36	64.67
49.0	41.0	41.0	41.0	1.99	380.95	0.34	65.01
50.0	38.2	38.2	38.2	1.88	382.83	0.32	65.33
51.0	35.6	35.6	35.6	1.78	384.60	0.30	65.63
52.0	32.8	32.8	32.8	1.66	386.27	0.28	65.92
53.0	30.3	30.3	30.3	1.55	387.82	0.27	66.18
54.0	28.4	28.4	28.4	1.48	389.30	0.25	66.43
55.0	26.6	26.6	26.6	1.40	390.70	0.24	66.67
56.0	25.0	25.0	25.0	1.33	392.03	0.23	66.90
57.0	23.4	23.4	23.4	1.26	393.29	0.21	67.11
58.0	22.1	22.1	22.1	1.21	394.50	0.21	67.32
59.0	20.8	20.8	20.8	1.15	395.64	0.20	67.52
60.0	19.5	19.5	19.5	1.09	396.73	0.19	67.70
61.0	18.1	18.1	18.1	1.02	397.75	0.17	67.87
62.0	17.0	17.0	17.0	0.96	398.71	0.16	68.04
63.0	15.8	15.8	15.8	0.91	399.62	0.15	68.19
64.0	14.5	14.5	14.5	0.84	400.45	0.14	68.34
65.0	13.3	13.3	13.3	0.77	401.23	0.13	68.47
66.0	11.9	11.9	11.9	0.70	401.92	0.12	68.59
67.0	10.8	10.8	10.8	0.64	402.56	0.11	68.70
68.0	9.8	9.8	9.8	0.58	403.15	0.10	68.80
69.0	8.6	8.6	8.6	0.52	403.66	0.09	68.88
70.0	7.5	7.5	7.5	0.45	404.11	0.08	68.96
71.0	6.5	6.5	6.5	0.39	404.51	0.07	69.03
72.0	5.7	5.7	5.7	0.35	404.85	0.06	69.09

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73.0	4.8	4.8	4.8	0.30	405.15	0.05	69.14
74.0	3.8	3.8	3.8	0.23	405.38	0.04	69.18
75.0	3.5	3.5	3.5	0.21	405.60	0.04	69.21
76.0	2.9	2.9	2.9	0.18	405.78	0.03	69.25
77.0	2.2	2.2	2.2	0.14	405.92	0.02	69.27
78.0	1.9	1.9	1.9	0.12	406.04	0.02	69.29
79.0	1.7	1.7	1.7	0.11	406.14	0.02	69.31
80.0	1.5	1.5	1.5	0.09	406.24	0.02	69.32
81.0	1.5	1.5	1.5	0.09	406.33	0.02	69.34
82.0	1.3	1.3	1.3	0.08	406.41	0.01	69.35
83.0	1.1	1.1	1.1	0.07	406.48	0.01	69.37
84.0	0.2	0.2	0.2	0.02	406.50	0.00	69.37
85.0	0.2	0.2	0.2	0.01	406.51	0.00	69.37
86.0	0.0	0.0	0.0	0.00	406.51	0.00	69.37
87.0	0.1	0.1	0.1	0.00	406.52	0.00	69.37
88.0	0.0	0.0	0.0	0.00	406.52	0.00	69.37
89.0	0.0	0.0	0.0	0.00	406.52	0.00	69.37
90.0	0.0	0.0	0.0	0.00	406.52	0.00	69.37