

# LUMINAIRE PHOTOMETRIC TEST REPORT

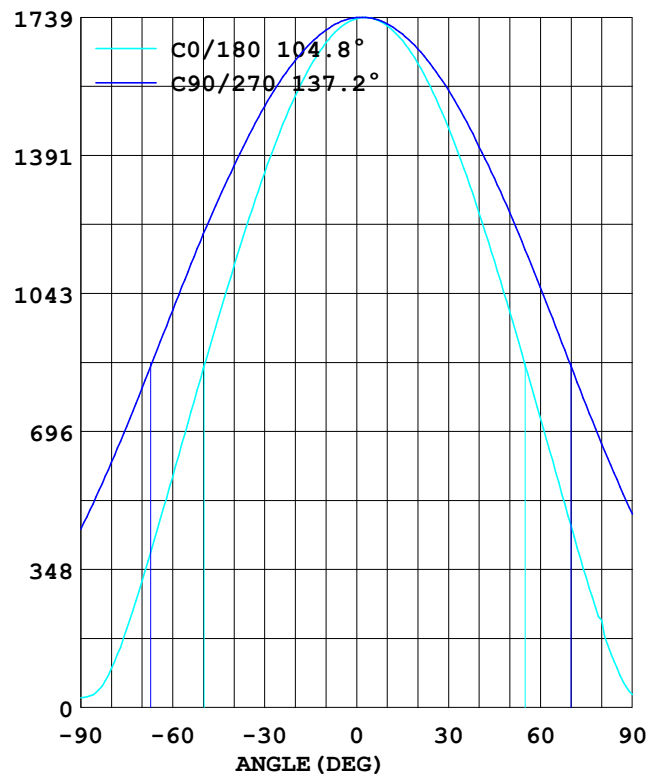
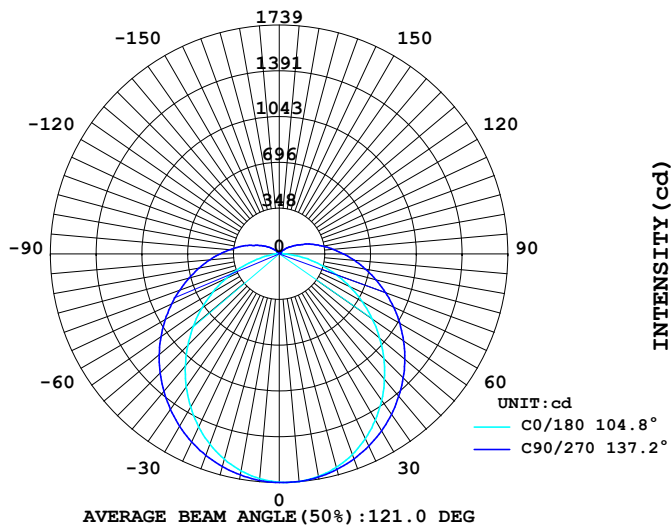
Report number:

MANUFACTURER: ILUMEN GMBH	Address:	
NAME: IL-TL15-N05040-120	TYPE: 4000K	WEIGHT:
SPECIFICATION:	DIMENSION:	SERIAL No.:

DATA OF LAMP		Imax(cd)	1739	S/MH (C0/180)	1.16
MODEL		EFFICIENCY (%)	100.0	S/MH (C90/270)	1.30
NOMINAL POWER(W)	40	TOTAL FLUX(lm)	6236.4	Voltage(V)	230.1
RATED VOLTAGE (V)	230	EFFICIENCY (lm/W)	155.7	Current(A)	0.188
NOMINAL FLUX(lm)	6236.4	$\eta$ up (%)	9.0	Power(W)	40.06
LAMPS QUANTITY	1	$\eta$ down (%)	91.0	Power Factor (PF)	0.925
TEST VOLTAGE (V)	230.2	Effective Flux(lm)	6012.9	EEL	0.091

## LUMINOUS INTENSITY DISTRIBUTION

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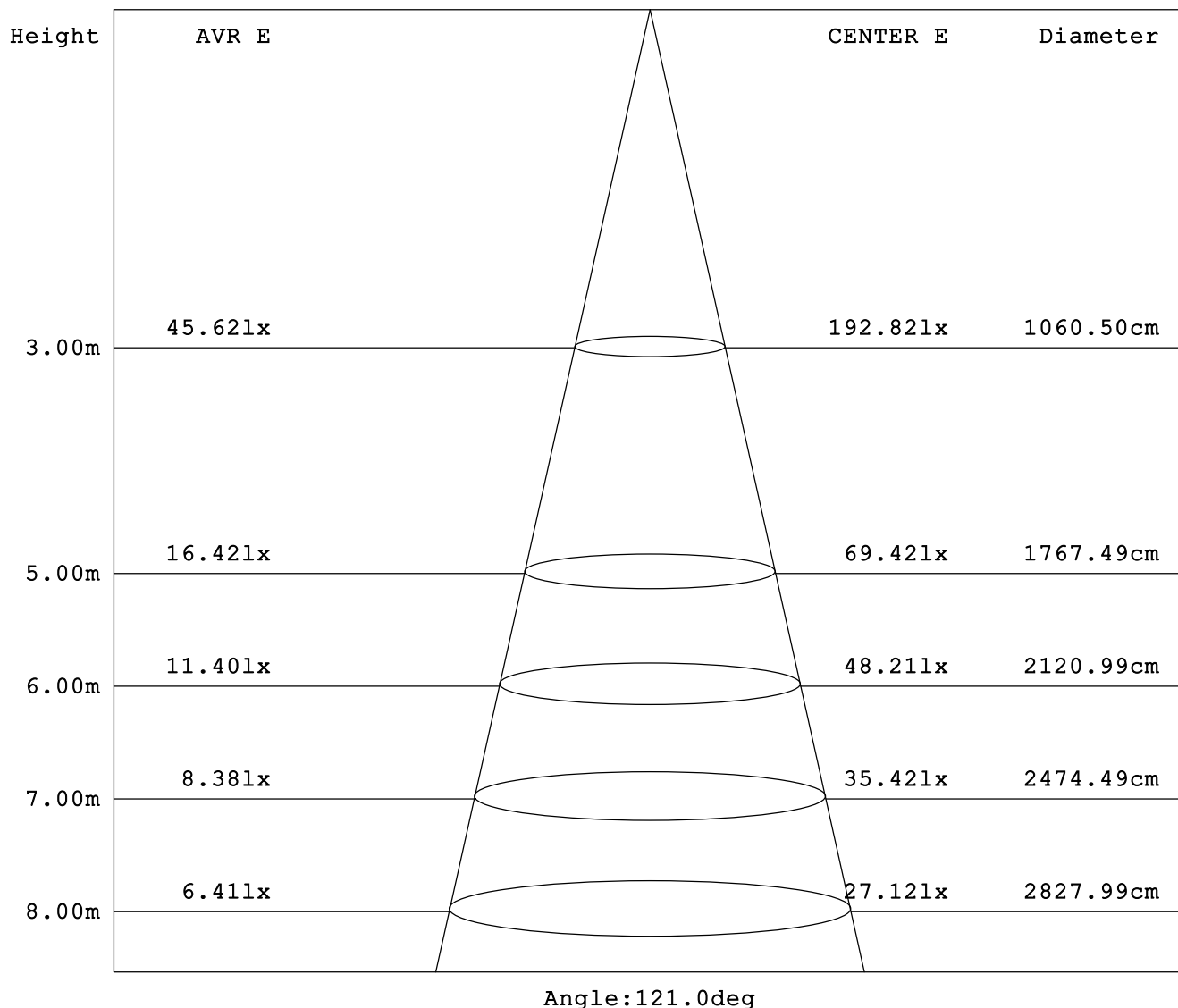
Test System:  
Temperature: 25.3 DEG  
Operators:  
Test Date: 2024.12.25

Test Set: 5.0 deg/s C-Gamma (TYPE C)  
Humidity: 65.0%  
Test Distance: 10.000 m  
Remarks:

## AVERAGE AND CENTER E Figure

Report number:

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## ZONAL FLUX DIAGRAM

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SPECIFICATION:	DIMENSION:	SERIAL No.:

γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Zone	total
5.0	1715	1722	1728	1721	1737	1737	1736	1735	0- 5	41.43	41.43
10.0	1675	1692	1706	1691	1717	1721	1722	1718	5- 10	122.8	164.2
15.0	1615	1647	1673	1646	1680	1689	1697	1684	10- 15	199.9	364.2
20.0	1541	1588	1630	1586	1623	1643	1659	1636	15- 20	270.2	634.5
25.0	1450	1518	1577	1516	1549	1584	1612	1576	20- 25	331.5	966.1
30.0	1346	1435	1514	1432	1461	1512	1556	1501	25- 30	381.8	1348
35.0	1234	1343	1443	1339	1359	1429	1489	1416	30- 35	419.8	1768
40.0	1112	1246	1364	1241	1245	1339	1412	1324	35- 40	444.9	2213
45.0	983.1	1140	1281	1134	1126	1238	1334	1221	40- 45	456.7	2669
50.0	853.2	1034	1193	1024	996.6	1133	1247	1114	45- 50	455.8	3125
55.0	717.8	929.8	1098	918.4	863.4	1029	1154	1009	50- 55	443.3	3569
60.0	581.3	823.6	1000	810.7	730.4	921.6	1059	900.4	55- 60	420.0	3989
65.0	449.2	720.4	903.2	706.1	593.3	815.2	959.1	793.7	60- 65	387.8	4377
70.0	318.4	623.8	804.5	608.2	459.4	714.2	860.7	692.8	65- 70	348.5	4725
75.0	197.6	531.2	707.9	514.6	327.0	615.3	761.3	594.2	70- 75	304.3	5029
80.0	98.00	445.5	617.7	428.3	219.8	524.3	663.7	504.5	75- 80	258.3	5288
85.0	37.61	370.2	530.2	352.8	99.53	438.7	574.6	420.6	80- 85	213.5	5501
90.0	24.69	301.7	449.5	284.7	32.82	361.0	487.8	345.1	85- 90	174.1	5675
95.0	22.49	241.6	378.2	225.2	18.94	293.3	410.4	279.4	90- 95	141.8	5817
100.0	20.76	185.9	313.1	170.4	17.89	232.8	342.1	221.4	95-100	114.6	5932
105.0	19.33	130.4	251.1	119.5	16.74	180.6	279.2	163.0	100-105	88.68	6021
110.0	17.99	90.82	192.9	80.10	15.79	126.9	224.0	114.9	105-110	66.18	6087
115.0	16.84	66.03	150.2	56.17	14.83	84.79	164.8	80.00	110-115	46.67	6133
120.0	15.79	44.50	113.3	36.08	13.97	59.14	124.2	55.89	115-120	33.27	6167
125.0	14.92	26.60	82.01	19.90	13.20	37.80	90.05	35.60	120-125	22.51	6189
130.0	14.16	13.39	54.26	12.53	12.53	21.05	60.77	19.90	125-130	14.21	6203
135.0	13.49	12.15	30.81	11.86	11.96	16.17	35.79	15.88	130-135	8.874	6212
140.0	12.91	11.48	17.41	11.38	11.48	14.92	16.17	14.64	135-140	5.890	6218
145.0	12.44	11.19	16.26	11.00	11.00	13.97	12.34	13.58	140-145	4.375	6223
150.0	12.05	11.19	15.21	10.91	10.71	13.30	11.86	13.11	145-150	3.679	6226
155.0	11.96	11.19	14.45	11.00	10.52	12.82	11.48	12.82	150-155	3.075	6229
160.0	12.25	11.19	13.78	11.10	10.81	12.53	11.19	12.63	155-160	2.508	6232
165.0	12.44	11.19	13.49	11.29	11.38	12.44	11.10	12.44	160-165	1.969	6234
170.0	12.53	11.38	13.39	11.58	11.77	12.53	11.19	12.53	165-170	1.426	6235
175.0	12.53	11.58	13.39	11.67	12.05	12.63	11.38	12.53	170-175	0.871	6236
180.0	12.44	11.58	12.82	11.86	12.53	12.72	11.86	12.72	175-180	0.293	6236
DEG	LUMINOUS INTENSITY:cd									UNIT:lm	

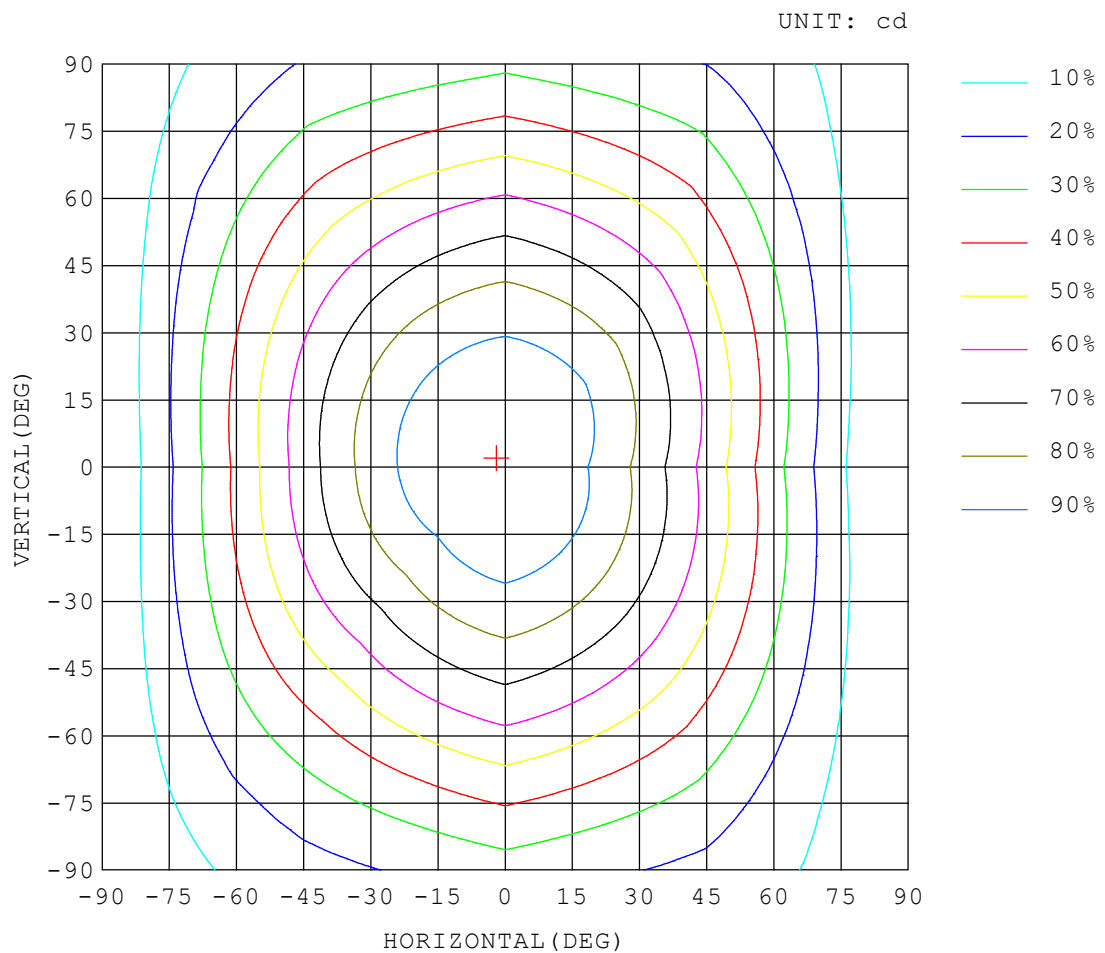
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Operators:  
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Humidity:65.0%  
Test Distance:10.000 m  
Remarks:

## ISOCANDELA DIAGRAM

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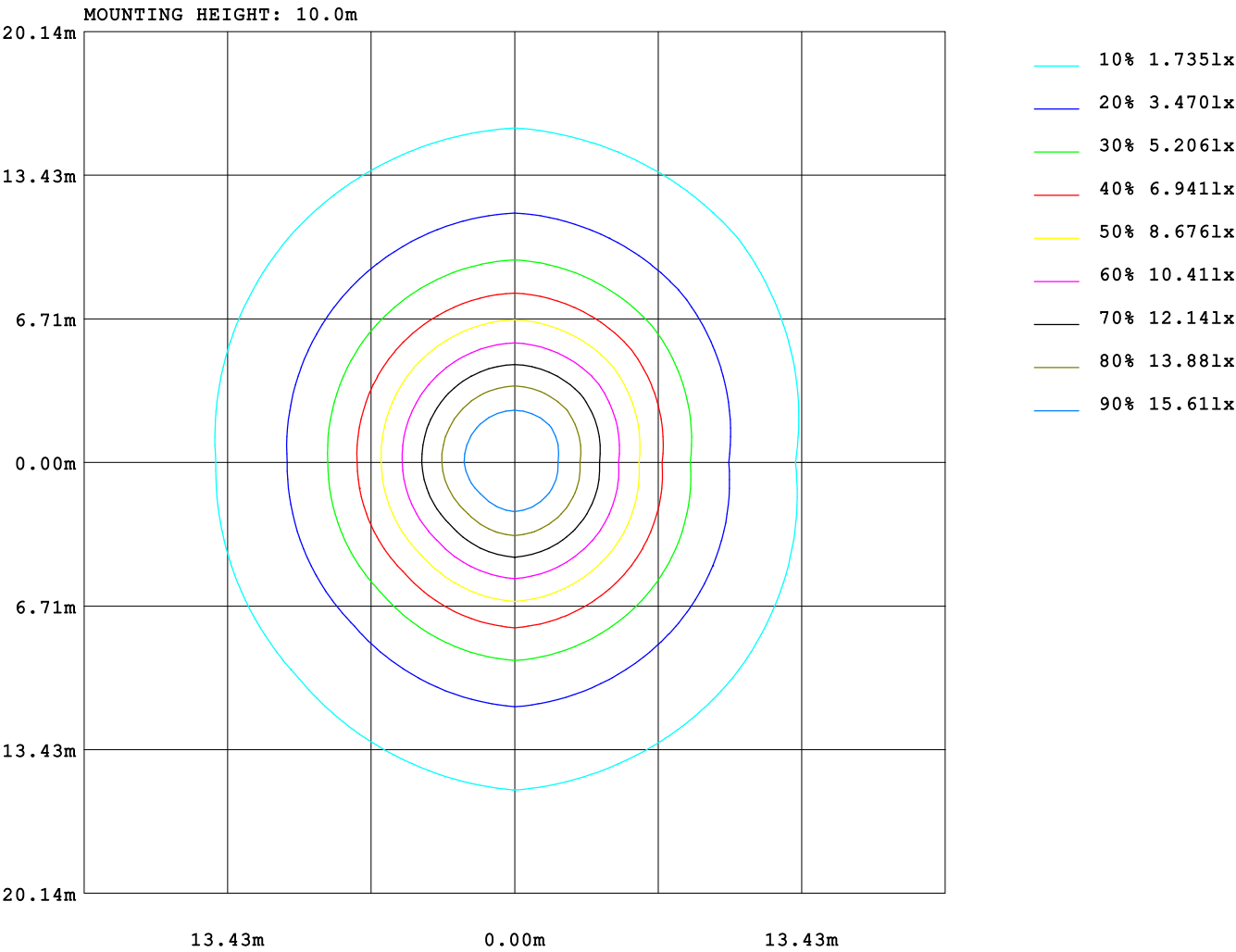
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ISOLUX DIAGRAM

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SPECIFICATION:	DIMENSION:	SERIAL No.:



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## LUMINOUS DISTRIBUTION INTENSITY DATA

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<b>MANUFACTURER: ILUMEN GMBH</b>	<b>Address:</b>	
<b>NAME: IL-TL15-N05040-120</b>	<b>TYPE: 4000K</b>	<b>WEIGHT:</b>
<b>SPECIFICATION:</b>	<b>DIMENSION:</b>	<b>SERIAL No.:</b>

UNIT: cd

C (DEG) γ (DEG)	0	45	90	135	180	225	270	315
0.0	1735	1737	1738	1736	1735	1737	1738	1736
5.0	1715	1722	1728	1721	1737	1737	1736	1735
10.0	1675	1692	1706	1691	1717	1721	1722	1718
15.0	1615	1647	1673	1646	1680	1689	1697	1684
20.0	1541	1588	1630	1586	1623	1643	1659	1636
25.0	1450	1518	1577	1516	1549	1584	1612	1576
30.0	1346	1435	1514	1432	1461	1512	1556	1501
35.0	1234	1343	1443	1339	1359	1429	1489	1416
40.0	1112	1246	1364	1241	1245	1339	1412	1324
45.0	983	1140	1281	1134	1126	1238	1334	1221
50.0	853	1034	1193	1024	997	1133	1247	1114
55.0	718	930	1098	918	863	1029	1154	1009
60.0	581	824	1000	811	730	922	1059	900
65.0	449	720	903	706	593	815	959	794
70.0	318	624	805	608	459	714	861	693
75.0	198	531	708	515	327	615	761	594
80.0	98.0	446	618	428	220	524	664	505
85.0	37.6	370	530	353	99.5	439	575	421
90.0	24.6	302	450	285	32.8	361	488	345
95.0	22.4	242	378	225	18.9	293	410	279
100.0	20.7	186	313	170	17.8	233	342	221
105.0	19.3	130	251	120	16.7	181	279	163
110.0	17.9	90.8	193	80.1	15.7	127	224	115
115.0	16.8	66.0	150	56.1	14.8	84.7	165	80.0
120.0	15.7	44.5	113	36.0	13.9	59.1	124	55.8
125.0	14.9	26.6	82.0	19.9	13.2	37.8	90.0	35.6
130.0	14.1	13.3	54.2	12.5	12.5	21.0	60.7	19.9
135.0	13.4	12.1	30.8	11.8	11.9	16.1	35.7	15.8
140.0	12.9	11.4	17.4	11.3	11.4	14.9	16.1	14.6
145.0	12.4	11.1	16.2	11.0	11.0	13.9	12.3	13.5
150.0	12.0	11.1	15.2	10.9	10.7	13.3	11.8	13.1
155.0	11.9	11.1	14.4	11.0	10.5	12.8	11.4	12.8
160.0	12.2	11.1	13.7	11.1	10.8	12.5	11.1	12.6
165.0	12.4	11.1	13.4	11.2	11.3	12.4	11.1	12.4
170.0	12.5	11.3	13.3	11.5	11.7	12.5	11.1	12.5
175.0	12.5	11.5	13.3	11.6	12.0	12.6	11.3	12.5
180.0	12.4	11.5	12.8	11.8	12.5	12.7	11.8	12.7

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