

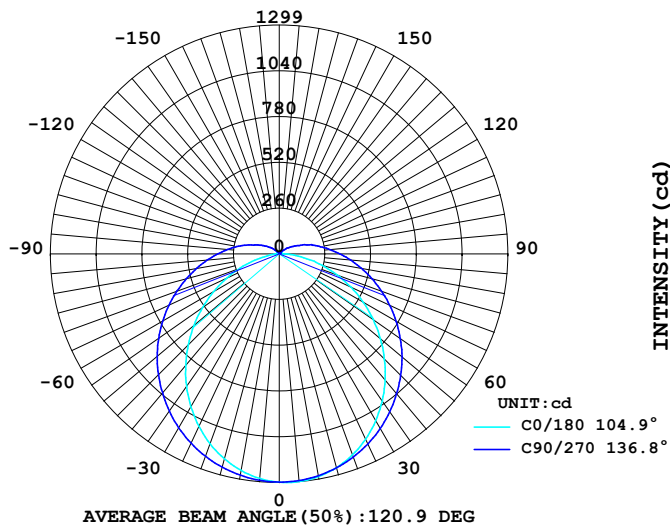
**LUMINAIRE PHOTOMETRIC TEST REPORT**

Report number:

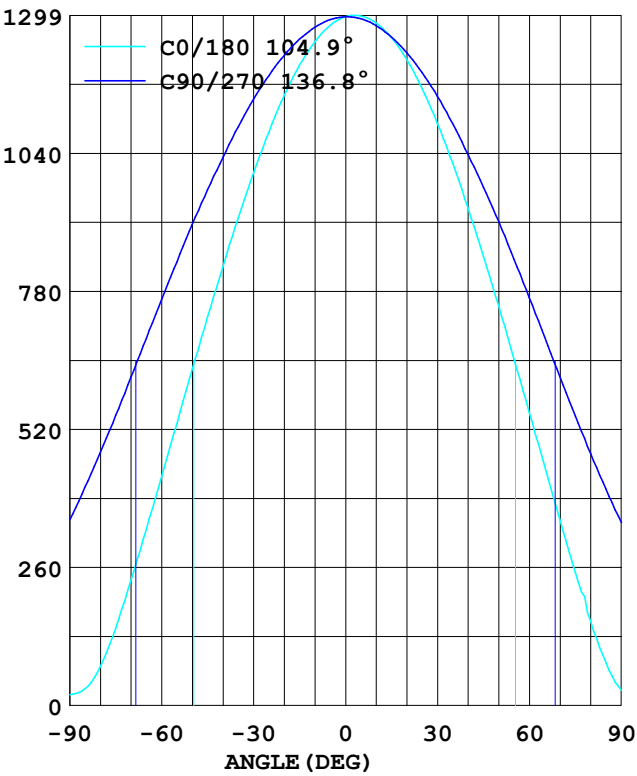
MANUFACTURER: ILUMEN GMBH	Address:	
NAME: IL-TL15-N03040-120	TYPE: 4000K	WEIGHT:
SPECIFICATION:	DIMENSION:	SERIAL No.:

DATA OF LAMP		Imax(cd)	1299	S/MH (C0/180)	1.16
MODEL		EFFICIENCY (%)	100.0	S/MH (C90/270)	1.31
NOMINAL POWER(W)	30	TOTAL FLUX(lm)	4647.0	Voltage(V)	230.1
RATED VOLTAGE (V)	230	EFFICIENCY (lm/W)	150.3	Current(A)	0.142
NOMINAL FLUX(lm)	4647.1	$\eta$ up (%)	8.9	Power(W)	30.91
LAMPS QUANTITY	1	$\eta$ down (%)	91.1	Power Factor (PF)	0.943
TEST VOLTAGE (V)	230.2	Effective Flux(lm)	4476.9	EEL	0.094

LUMINOUS INTENSITY DISTRIBUTION



LUMINOUS INTENSITY DISTRIBUTION



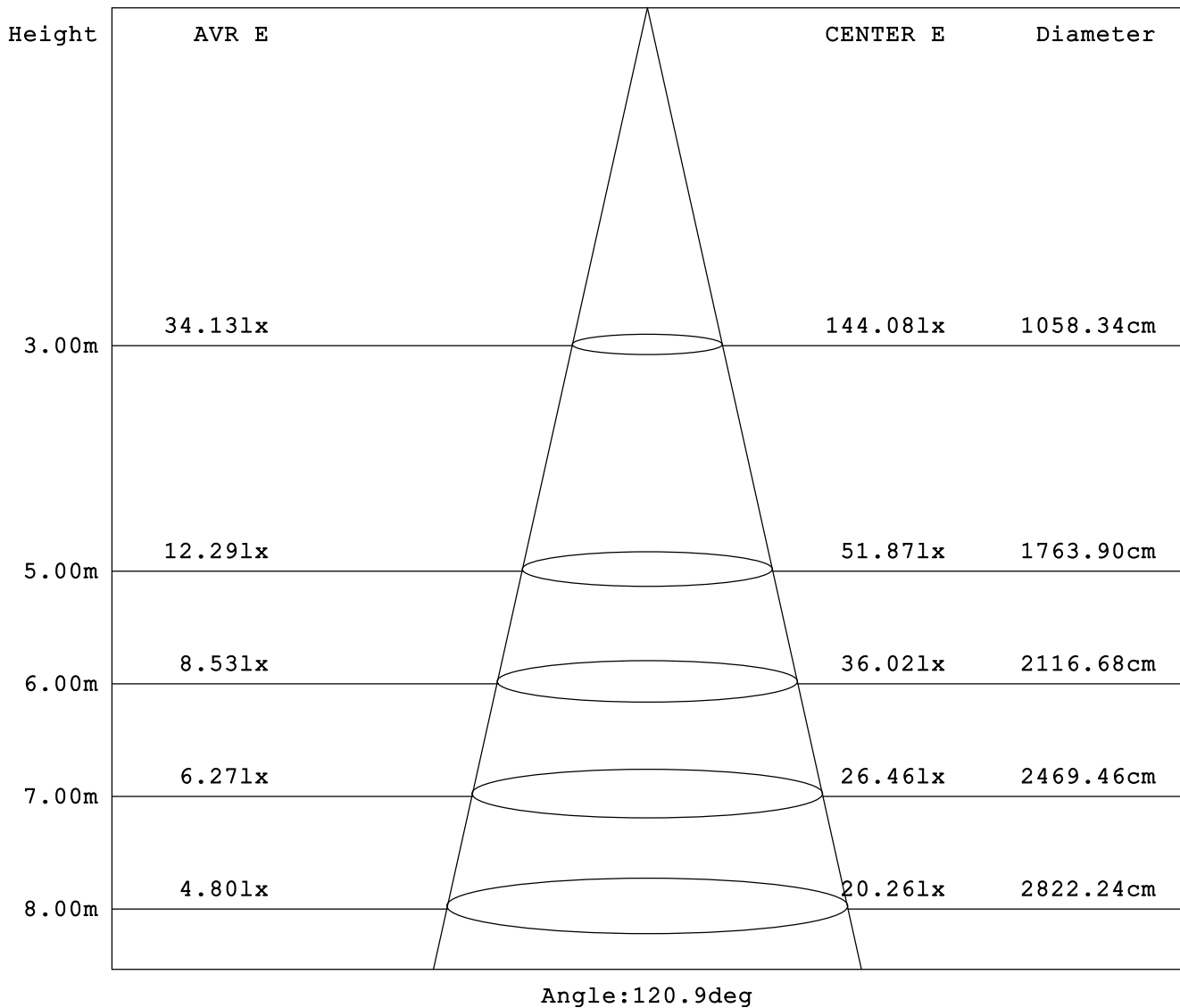
Test System:  
 Temperature: 25.3 DEG  
 Operators:  
 Test Date: 2024.12.25

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

## AVERAGE AND CENTER E Figure

Report number:

MANUFACTURER: ILUMEN GMBH	Address:	
NAME: IL-TL15-N03040-120	TYPE: 4000K	WEIGHT:
SPECIFICATION:	DIMENSION:	SERIAL No.:



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

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

## ZONAL FLUX DIAGRAM

Report number:

MANUFACTURER: ILUMEN GMBH	Address:	
NAME: IL-TL15-N03040-120	TYPE: 4000K	WEIGHT:
SPECIFICATION:	DIMENSION:	SERIAL No.:

γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Zone	total
5.0	1281	1286	1291	1285	1298	1296	1293	1291	0- 5	30.91	30.91
10.0	1249	1264	1277	1264	1285	1283	1280	1275	5- 10	91.66	122.5
15.0	1206	1231	1255	1232	1257	1260	1258	1248	10- 15	149.2	271.7
20.0	1148	1189	1224	1190	1216	1225	1229	1210	15- 20	201.6	473.4
25.0	1080	1136	1186	1138	1162	1180	1192	1161	20- 25	247.3	720.8
30.0	1003	1076	1142	1076	1096	1127	1147	1105	25- 30	284.8	1006
35.0	917.6	1010	1090	1009	1021	1065	1096	1039	30- 35	313.1	1319
40.0	825.8	937.1	1031	934.3	936.5	996.2	1037	966.2	35- 40	331.8	1651
45.0	731.9	861.1	971.5	856.9	845.5	923.0	975.8	889.7	40- 45	340.6	1991
50.0	632.5	782.3	905.6	774.4	751.9	845.0	911.0	808.3	45- 50	339.9	2331
55.0	531.5	703.5	835.9	693.0	652.6	765.7	840.7	726.9	50- 55	330.4	2662
60.0	431.9	626.6	764.8	613.9	551.2	687.9	767.4	647.6	55- 60	313.1	2975
65.0	331.5	550.1	691.1	535.1	451.2	608.6	693.8	567.6	60- 65	289.0	3264
70.0	236.8	476.5	618.9	459.6	349.1	531.5	618.5	490.8	65- 70	259.6	3524
75.0	144.9	409.0	546.0	390.5	250.4	459.3	544.9	419.6	70- 75	226.6	3750
80.0	73.32	344.8	476.3	325.3	158.1	389.9	474.3	352.2	75- 80	192.4	3943
85.0	31.54	286.6	411.4	266.8	80.39	326.2	407.4	291.2	80- 85	159.0	4102
90.0	20.12	235.0	349.7	215.4	28.91	269.7	344.5	237.8	85- 90	129.6	4231
95.0	17.85	193.6	293.9	169.8	15.40	218.2	290.1	189.7	90- 95	105.4	4337
100.0	16.49	143.8	245.5	126.9	14.13	173.3	239.8	147.5	95-100	84.55	4421
105.0	15.31	102.6	195.6	91.00	13.23	134.2	195.2	113.1	100-105	65.39	4487
110.0	14.23	74.32	149.1	61.81	12.41	95.26	154.6	73.68	105-110	48.84	4535
115.0	13.32	54.65	118.5	43.41	11.69	62.54	112.7	51.02	110-115	34.43	4570
120.0	12.50	38.15	90.72	28.55	10.96	44.23	84.11	34.17	115-120	24.62	4595
125.0	11.78	24.10	66.52	16.58	10.33	27.64	60.36	20.57	120-125	16.70	4611
130.0	11.14	12.68	45.68	9.879	9.788	15.49	39.06	13.05	125-130	10.60	4622
135.0	10.69	9.426	27.46	9.245	9.335	12.41	21.66	12.05	130-135	6.710	4629
140.0	10.15	8.882	14.41	8.882	8.973	11.42	9.788	11.05	135-140	4.474	4633
145.0	9.788	8.610	12.96	8.519	8.610	10.60	8.973	10.24	140-145	3.361	4636
150.0	9.516	8.610	12.14	8.338	8.429	10.15	8.701	9.970	145-150	2.833	4639
155.0	9.516	8.610	11.51	8.429	8.066	9.788	8.429	9.879	150-155	2.370	4642
160.0	9.607	8.610	10.96	8.519	8.519	9.698	8.338	9.788	155-160	1.938	4644
165.0	9.698	8.610	10.69	8.610	8.882	9.698	8.338	9.698	160-165	1.525	4645
170.0	9.788	8.791	10.51	8.791	9.154	9.788	8.519	9.698	165-170	1.106	4646
175.0	9.788	8.882	10.42	8.973	9.426	9.788	8.701	9.788	170-175	0.675	4647
180.0	9.698	8.973	9.970	8.882	9.788	9.970	8.882	9.698	175-180	0.227	4647
DEG	LUMINOUS INTENSITY:cd									UNIT:lm	

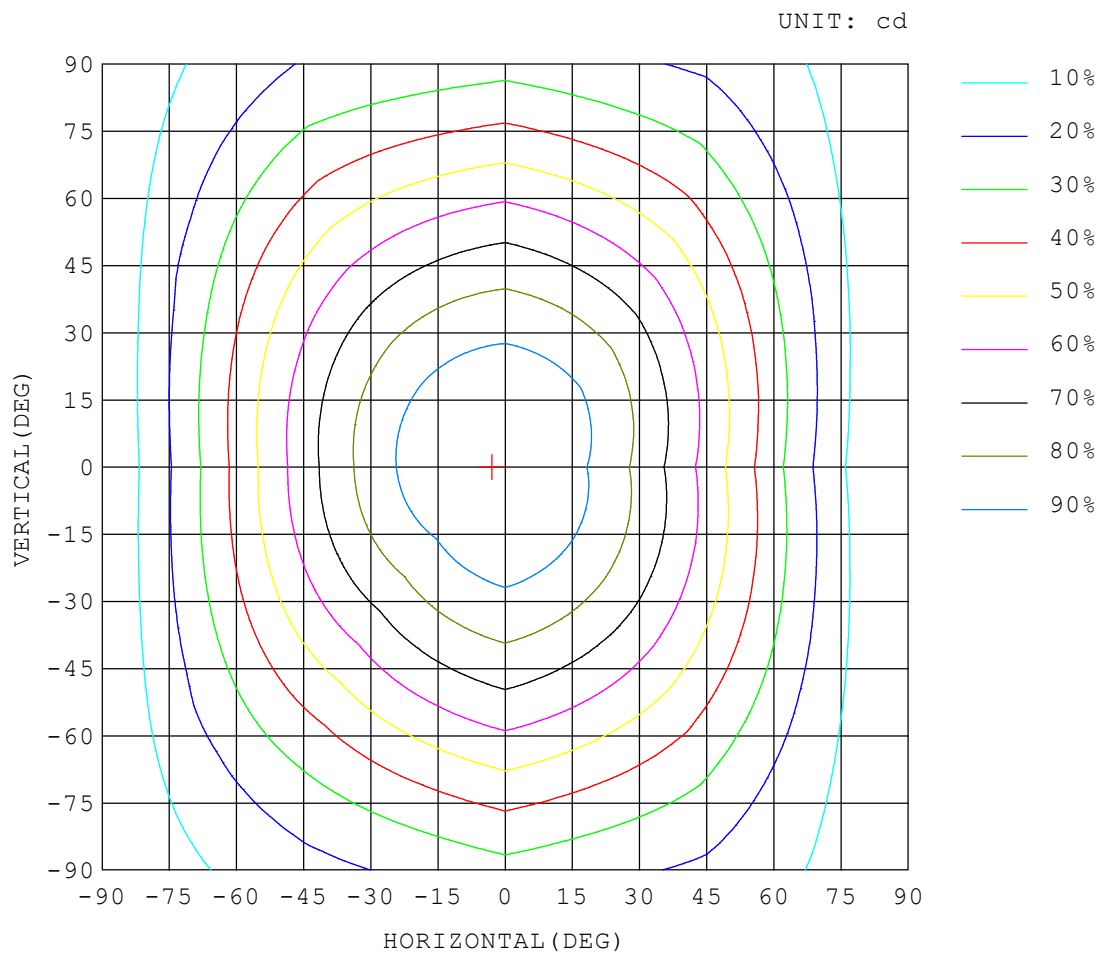
Test System:  
Temperature:25.3DEG  
Operators:  
Test Date:2024.12.25

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

## ISOCANDELA DIAGRAM

Report number:

MANUFACTURER: ILUMEN GMBH	Address:	
NAME: IL-TL15-N03040-120	TYPE: 4000K	WEIGHT:
SPECIFICATION:	DIMENSION:	SERIAL No.:



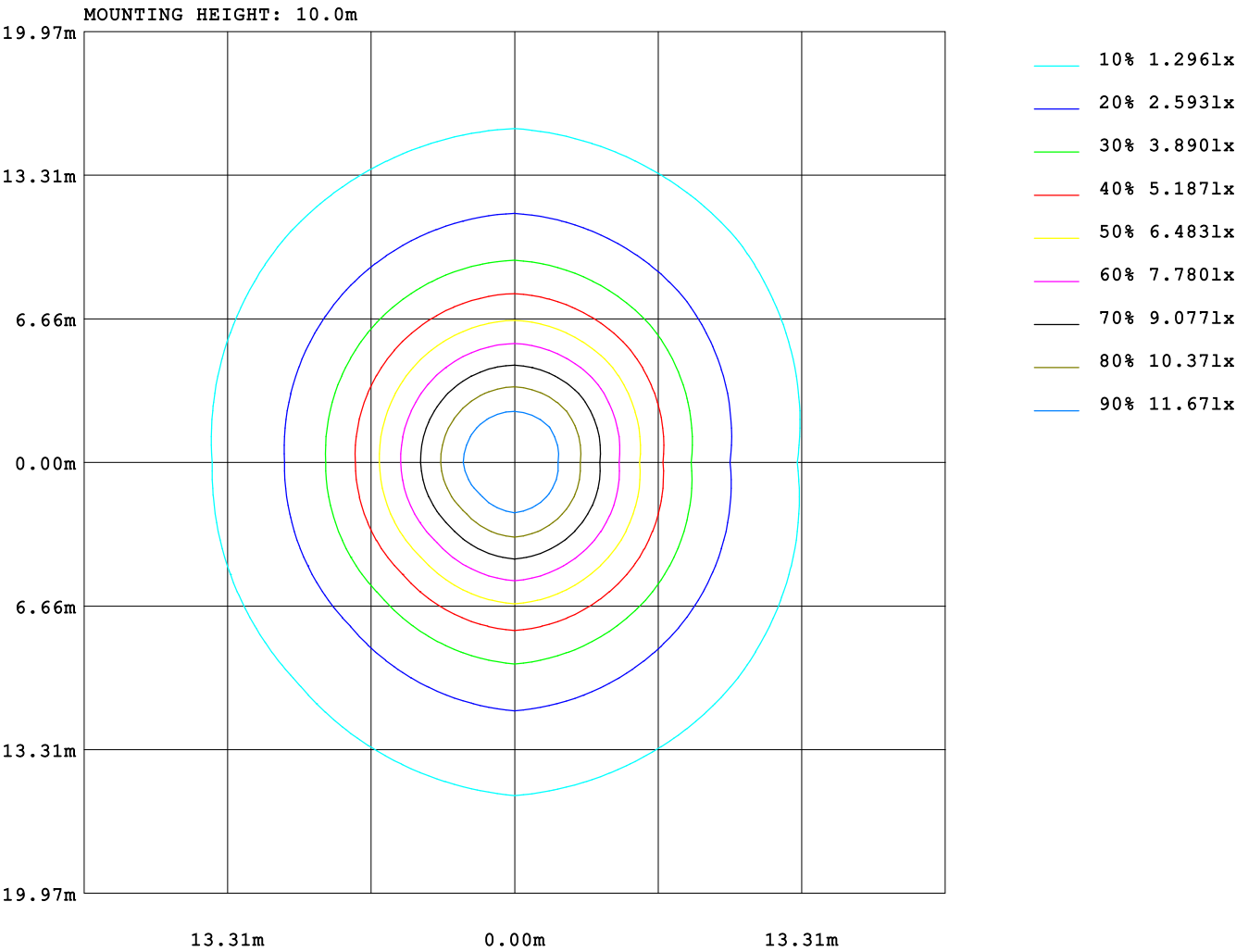
Test System:  
Temperature: 25.3 DEG  
Operators:  
Test Date: 2024.12.25

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Test Distance: 10.000 m  
Remarks:

ISOLUX DIAGRAM

Report number:

MANUFACTURER: ILUMEN GMBH	Address:	
NAME: IL-TL15-N03040-120	TYPE: 4000K	WEIGHT:
SPECIFICATION:	DIMENSION:	SERIAL No.:



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

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Remarks:

## LUMINOUS DISTRIBUTION INTENSITY DATA

Report number:

MANUFACTURER: ILUMEN GMBH	Address:	
NAME: IL-TL15-N03040-120	TYPE: 4000K	WEIGHT:
SPECIFICATION:	DIMENSION:	SERIAL No.:

UNIT: cd

C (DEG) γ (DEG)	0	45	90	135	180	225	270	315
0.0	1297	1297	1296	1294	1297	1297	1296	1294
5.0	1281	1286	1291	1285	1298	1296	1293	1291
10.0	1249	1264	1277	1264	1285	1283	1280	1275
15.0	1206	1231	1255	1232	1257	1260	1258	1248
20.0	1148	1189	1224	1190	1216	1225	1229	1210
25.0	1080	1136	1186	1138	1162	1180	1192	1161
30.0	1003	1076	1142	1076	1096	1127	1147	1105
35.0	918	1010	1090	1009	1021	1065	1096	1039
40.0	826	937	1031	934	937	996	1037	966
45.0	732	861	972	857	846	923	976	890
50.0	633	782	906	774	752	845	911	808
55.0	532	704	836	693	653	766	841	727
60.0	432	627	765	614	551	688	767	648
65.0	332	550	691	535	451	609	694	568
70.0	237	477	619	460	349	532	619	491
75.0	145	409	546	391	250	459	545	420
80.0	73.3	345	476	325	158	390	474	352
85.0	31.5	287	411	267	80.3	326	407	291
90.0	20.1	235	350	215	28.9	270	345	238
95.0	17.8	194	294	170	15.4	218	290	190
100.0	16.4	144	246	127	14.1	173	240	148
105.0	15.3	103	196	91.0	13.2	134	195	113
110.0	14.2	74.3	149	61.8	12.4	95.2	155	73.6
115.0	13.3	54.6	119	43.4	11.6	62.5	113	51.0
120.0	12.5	38.1	90.7	28.5	10.9	44.2	84.1	34.1
125.0	11.7	24.1	66.5	16.5	10.3	27.6	60.3	20.5
130.0	11.1	12.6	45.6	9.87	9.78	15.4	39.0	13.0
135.0	10.6	9.42	27.4	9.24	9.33	12.4	21.6	12.0
140.0	10.1	8.88	14.4	8.88	8.97	11.4	9.78	11.0
145.0	9.78	8.61	12.9	8.51	8.61	10.6	8.97	10.2
150.0	9.51	8.61	12.1	8.33	8.42	10.1	8.70	9.97
155.0	9.51	8.61	11.5	8.42	8.06	9.78	8.42	9.87
160.0	9.60	8.61	10.9	8.51	8.51	9.69	8.33	9.78
165.0	9.69	8.61	10.6	8.61	8.88	9.69	8.33	9.69
170.0	9.78	8.79	10.5	8.79	9.15	9.78	8.51	9.69
175.0	9.78	8.88	10.4	8.97	9.42	9.78	8.70	9.78
180.0	9.69	8.97	9.97	8.88	9.78	9.97	8.88	9.69

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