

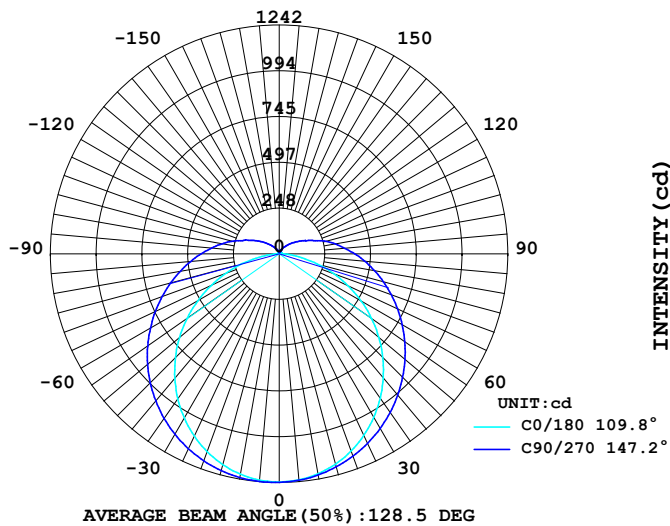
LUMINAIRE PHOTOMETRIC TEST REPORT

Report number:

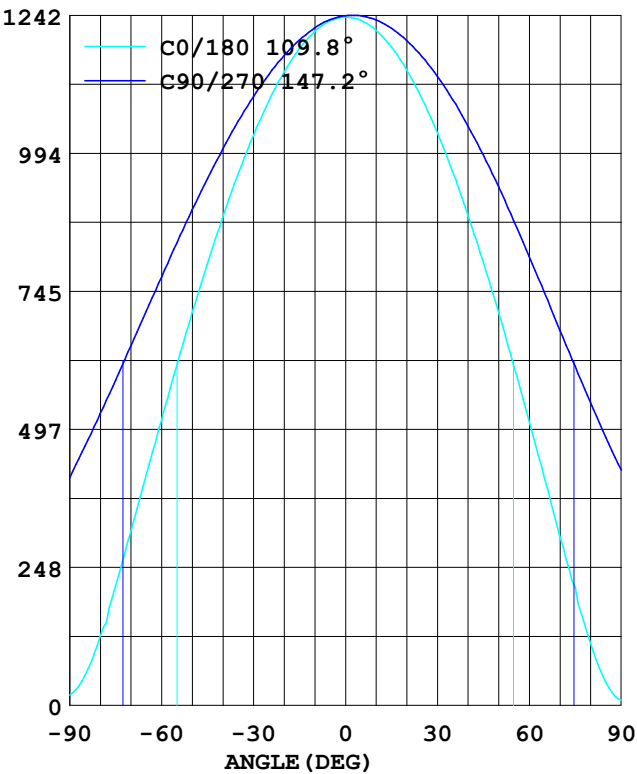
MANUFACTURER: ILUMEN GMBH			
Address:			
NAME: Ava		TYPE: IL-TL27-N03540-120	WEIGHT:
SPECIFICATION: 2835LED 120deg	CCT (K) : 4000	DIMENSION:	SERIAL No. :

DATA OF LAMP		Imax (cd)	1242	S/MH (C0/180)	1.24
MODEL		EFFICIENCY (%)	100.0	S/MH (C90/270)	1.32
NOMINAL POWER(W)	36	TOTAL FLUX(lm)	4883.2	Voltage(V)	231.1
RATED VOLTAGE (V)	232	EFFICIENCY (lm/W)	137.2	Current(A)	0.159
NOMINAL FLUX(lm)	4883.2	η up (%)	11.8	Power(W)	35.59
LAMPS QUANTITY	1	η down (%)	88.2	Power Factor (PF)	0.989
TEST VOLTAGE (V)	231.1	Effective Flux(lm)	4697.1	EEL	0.103

LUMINOUS INTENSITY DISTRIBUTION



LUMINOUS INTENSITY DISTRIBUTION



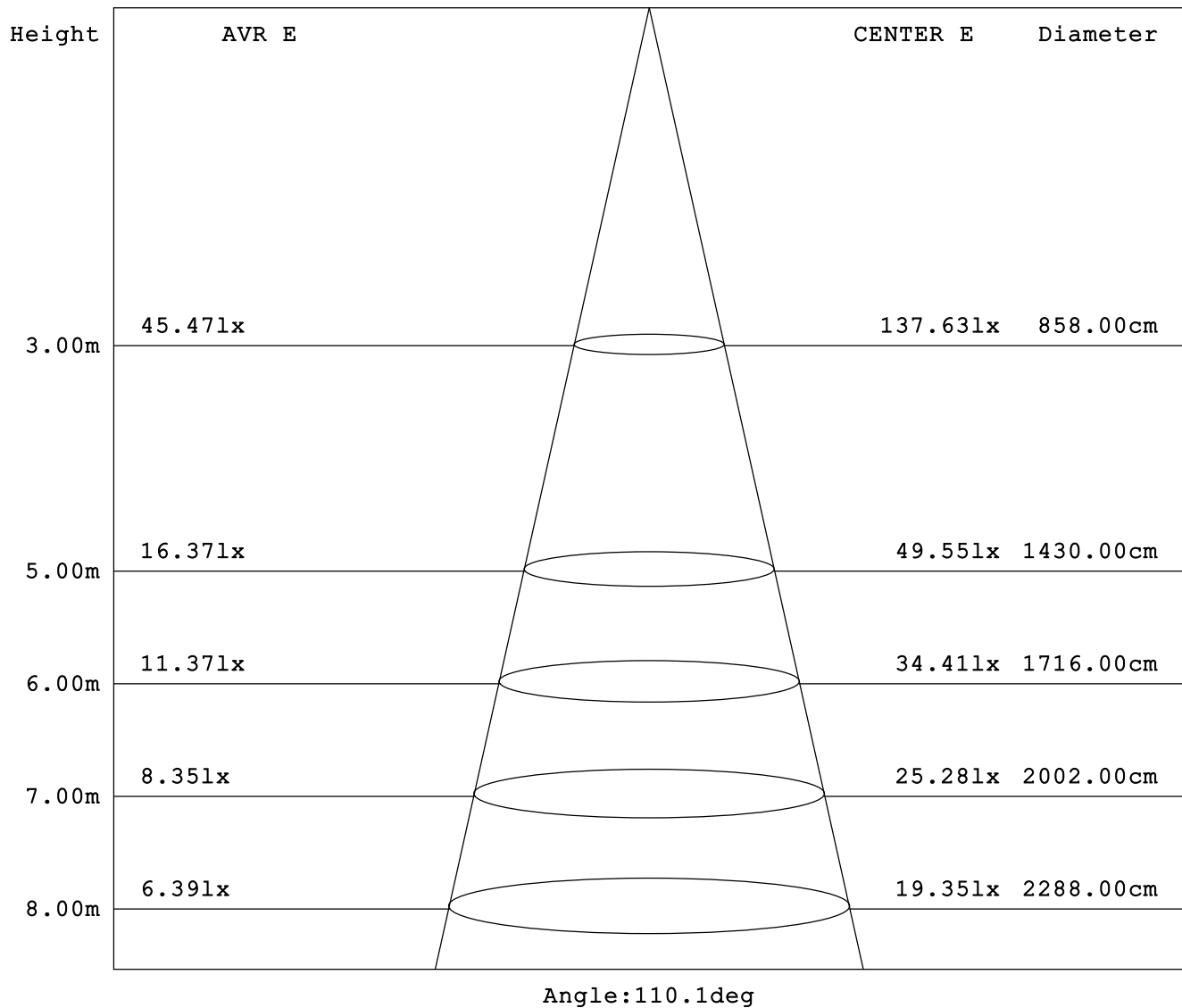
Test System:HOPOO
 Temperature:25.3DEG
 Operators:
 Test Date:2022.05.31

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			
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NAME: Ava		TYPE: IL-TL27-N03540-120	WEIGHT:
SPECIFICATION: 2835LED 120deg	CCT (K) : 4000	DIMENSION:	SERIAL No. :



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 Temperature: 25.3DEG
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ZONAL FLUX DIAGRAM

Report number:

MANUFACTURER: ILUMEN GMBH			
Address:			
NAME: Ava		TYPE: IL-TL27-N03540-120	WEIGHT:
SPECIFICATION: 2835LED 120deg	CCT (K) : 4000	DIMENSION:	SERIAL No. :

γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Zone	total
5.0	1232	1231	1234	1230	1233	1238	1241	1238	0- 5	29.57	29.57
10.0	1213	1214	1219	1212	1215	1227	1234	1227	5- 10	87.81	117.3
15.0	1182	1188	1197	1184	1185	1206	1219	1206	10- 15	143.3	260.6
20.0	1140	1152	1170	1147	1144	1176	1197	1175	15- 20	194.3	455.0
25.0	1088	1110	1135	1102	1092	1138	1168	1136	20- 25	239.5	694.5
30.0	1026	1059	1096	1049	1031	1091	1132	1087	25- 30	277.4	972.0
35.0	957.2	1002	1051	989.3	960.1	1038	1091	1033	30- 35	307.2	1279
40.0	879.3	940.6	1002	925.1	881.4	976.3	1042	969.8	35- 40	328.1	1607
45.0	795.1	873.8	948.0	855.0	798.1	909.8	990.7	901.7	40- 45	339.9	1947
50.0	707.3	803.9	892.3	781.7	706.8	840.9	932.9	831.3	45- 50	342.7	2290
55.0	612.6	733.6	832.6	708.3	610.1	767.9	871.3	756.5	50- 55	336.6	2627
60.0	514.2	661.2	771.0	632.8	511.3	693.6	808.0	680.9	55- 60	322.5	2949
65.0	415.5	589.7	709.8	558.5	408.2	621.2	742.1	607.3	60- 65	301.4	3251
70.0	313.8	521.8	647.1	488.3	304.1	548.6	674.8	533.4	65- 70	274.7	3525
75.0	215.2	455.4	584.8	420.2	213.0	479.0	610.2	462.7	70- 75	243.7	3769
80.0	124.9	392.4	525.4	356.7	111.3	414.8	544.4	398.0	75- 80	210.3	3980
85.0	53.59	335.1	466.6	299.4	41.23	353.9	481.8	337.2	80- 85	177.4	4157
90.0	18.81	282.2	410.1	247.5	9.502	299.0	424.0	282.8	85- 90	148.0	4305
95.0	12.54	236.1	358.7	203.9	6.550	251.2	368.3	236.0	90- 95	124.5	4430
100.0	11.34	199.7	310.5	163.1	6.642	207.8	316.4	193.5	95-100	104.5	4534
105.0	10.79	146.7	264.2	119.0	6.919	154.7	267.9	142.1	100-105	84.04	4618
110.0	10.60	108.3	210.2	89.48	7.380	118.9	213.2	107.7	105-110	64.59	4683
115.0	10.60	88.47	176.2	70.20	7.657	95.85	176.2	86.90	110-115	49.91	4733
120.0	10.60	70.48	143.1	55.62	8.118	77.12	143.7	70.11	115-120	39.02	4772
125.0	10.70	56.18	116.3	43.91	8.487	62.54	115.1	57.01	120-125	30.27	4802
130.0	10.88	45.02	92.71	35.79	8.856	50.64	91.42	46.95	125-130	23.10	4825
135.0	11.07	36.07	72.60	28.87	9.317	40.96	69.19	38.28	130-135	17.39	4843
140.0	11.16	28.13	56.09	23.06	9.594	32.93	53.78	29.70	135-140	12.74	4855
145.0	11.34	21.40	42.52	18.72	9.963	26.20	40.31	23.34	140-145	9.106	4864
150.0	11.43	17.06	31.91	15.49	10.33	21.12	29.70	19.46	145-150	6.424	4871
155.0	11.53	14.20	24.17	13.28	10.60	17.52	21.77	16.69	150-155	4.520	4875
160.0	11.62	12.36	18.72	11.90	10.88	14.94	16.51	14.66	155-160	3.157	4878
165.0	11.71	11.34	15.40	11.16	11.16	13.37	13.10	13.28	160-165	2.181	4881
170.0	11.71	10.88	13.65	10.97	11.34	12.63	11.43	12.63	165-170	1.448	4882
175.0	11.71	10.79	12.91	10.97	11.43	12.36	10.97	12.26	170-175	0.843	4883
180.0	11.71	10.88	12.63	11.16	11.71	12.17	11.16	12.17	175-180	0.279	4883
DEG	LUMINOUS INTENSITY:cd									UNIT:lm	

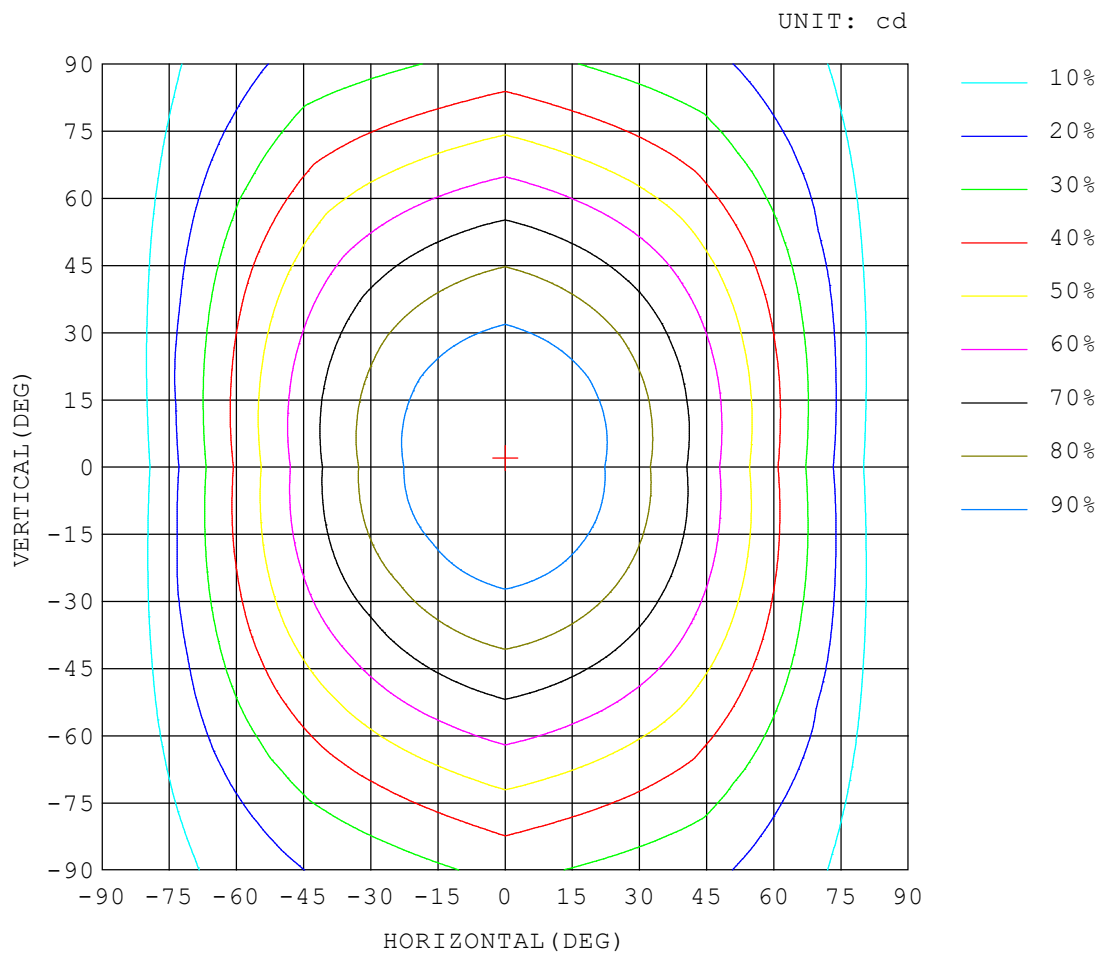
Test System:HOPOO
Temperature:25.3DEG
Operators:
Test Date:2022.05.31

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: Ava		TYPE: IL-TL27-N03540-120	WEIGHT:
SPECIFICATION: 2835LED 120deg	CCT (K) : 4000	DIMENSION:	SERIAL No. :



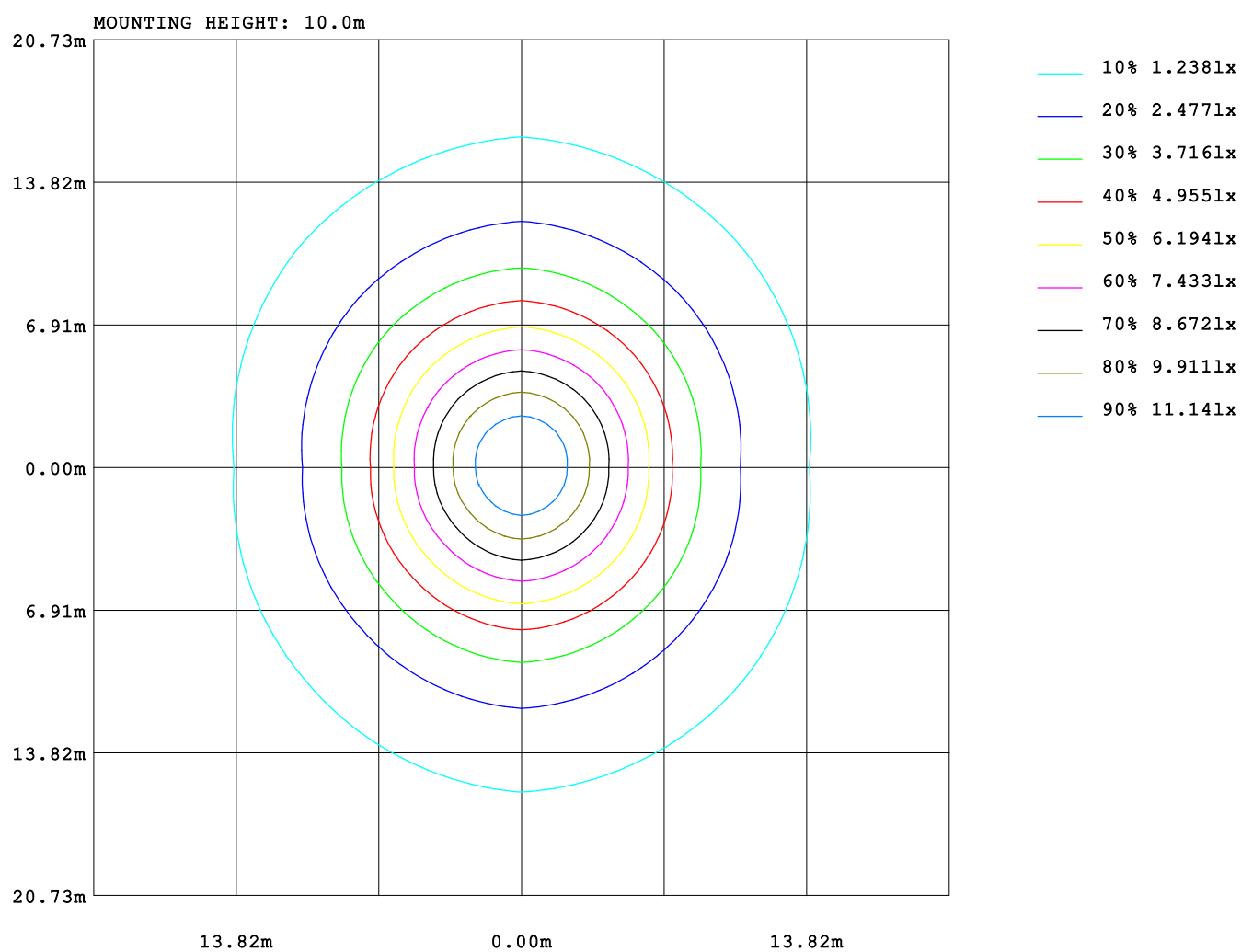
Test System:HOPOO
Temperature:25.3DEG
Operators:
Test Date:2022.05.31

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Remarks:

ISOLUX DIAGRAM

Report number:

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Address:			
NAME: Ava		TYPE: IL-TL27-N03540-120	WEIGHT:
SPECIFICATION: 2835LED 120deg	CCT (K) : 4000	DIMENSION:	SERIAL No. :



Test System:HOPOO
Temperature:25.3DEG
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Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Report number:

MANUFACTURER: ILUMEN GMBH			
Address:			
NAME: Ava		TYPE: IL-TL27-N03540-120	WEIGHT:
SPECIFICATION: 2835LED 120deg	CCT (K) : 4000	DIMENSION:	SERIAL No. :

UNIT: cd

C (DEG) γ (DEG)	0	45	90	135	180	225	270	315
0.0	1239	1239	1241	1239	1239	1239	1241	1239
5.0	1232	1231	1234	1230	1233	1238	1241	1238
10.0	1213	1214	1219	1212	1215	1227	1234	1227
15.0	1182	1188	1197	1184	1185	1206	1219	1206
20.0	1140	1152	1170	1147	1144	1176	1197	1175
25.0	1088	1110	1135	1102	1092	1138	1168	1136
30.0	1026	1059	1096	1049	1031	1091	1132	1087
35.0	957	1002	1051	989	960	1038	1091	1033
40.0	879	941	1002	925	881	976	1042	970
45.0	795	874	948	855	798	910	991	902
50.0	707	804	892	782	707	841	933	831
55.0	613	734	833	708	610	768	871	757
60.0	514	661	771	633	511	694	808	681
65.0	416	590	710	559	408	621	742	607
70.0	314	522	647	488	304	549	675	533
75.0	215	455	585	420	213	479	610	463
80.0	125	392	525	357	111	415	544	398
85.0	53.5	335	467	299	41.2	354	482	337
90.0	18.8	282	410	248	9.50	299	424	283
95.0	12.5	236	359	204	6.55	251	368	236
100.0	11.3	200	311	163	6.64	208	316	194
105.0	10.7	147	264	119	6.91	155	268	142
110.0	10.6	108	210	89.4	7.38	119	213	108
115.0	10.6	88.4	176	70.2	7.65	95.8	176	86.9
120.0	10.6	70.4	143	55.6	8.11	77.1	144	70.1
125.0	10.7	56.1	116	43.9	8.48	62.5	115	57.0
130.0	10.8	45.0	92.7	35.7	8.85	50.6	91.4	46.9
135.0	11.0	36.0	72.6	28.8	9.31	40.9	69.1	38.2
140.0	11.1	28.1	56.0	23.0	9.59	32.9	53.7	29.7
145.0	11.3	21.4	42.5	18.7	9.96	26.2	40.3	23.3
150.0	11.4	17.0	31.9	15.4	10.3	21.1	29.7	19.4
155.0	11.5	14.2	24.1	13.2	10.6	17.5	21.7	16.6
160.0	11.6	12.3	18.7	11.9	10.8	14.9	16.5	14.6
165.0	11.7	11.3	15.4	11.1	11.1	13.3	13.1	13.2
170.0	11.7	10.8	13.6	10.9	11.3	12.6	11.4	12.6
175.0	11.7	10.7	12.9	10.9	11.4	12.3	10.9	12.2
180.0	11.7	10.8	12.6	11.1	11.7	12.1	11.1	12.1

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