

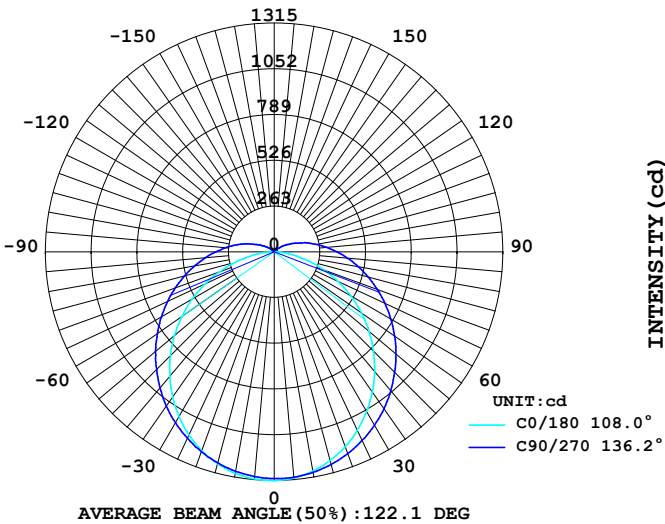
LUMINAIRE PHOTOMETRIC TEST REPORT

Report number:

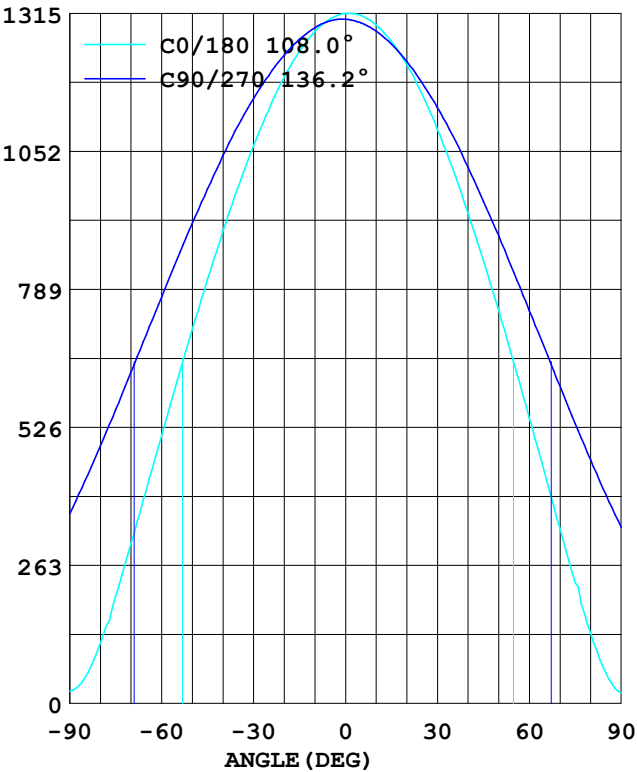
MANUFACTURER: ILUMEN GMBH			
Address:			
NAME: Emma		TYPE: IL-TL26-N03640-120	WEIGHT:
SPECIFICATION: 2835 LED 120deg	CCT (K) : 4000	DIMENSION:	SERIAL No.:

DATA OF LAMP		Imax (cd)	1315	S/MH (C0/180)	1.21
MODEL		EFFICIENCY (%)	100.0	S/MH (C90/270)	1.32
NOMINAL POWER(W)	36	TOTAL FLUX(lm)	4665.0	Voltage(V)	230.6
RATED VOLTAGE (V)	230	EFFICIENCY (lm/W)	129.3	Current(A)	0.160
NOMINAL FLUX(lm)	4665.0	η up (%)	8.2	Power(W)	36.08
LAMPS QUANTITY	1	η down (%)	91.8	Power Factor (PF)	0.978
TEST VOLTAGE (V)	230.6	Effective Flux(lm)	4665.0	EEL	0.105

LUMINOUS INTENSITY DISTRIBUTION



LUMINOUS INTENSITY DISTRIBUTION



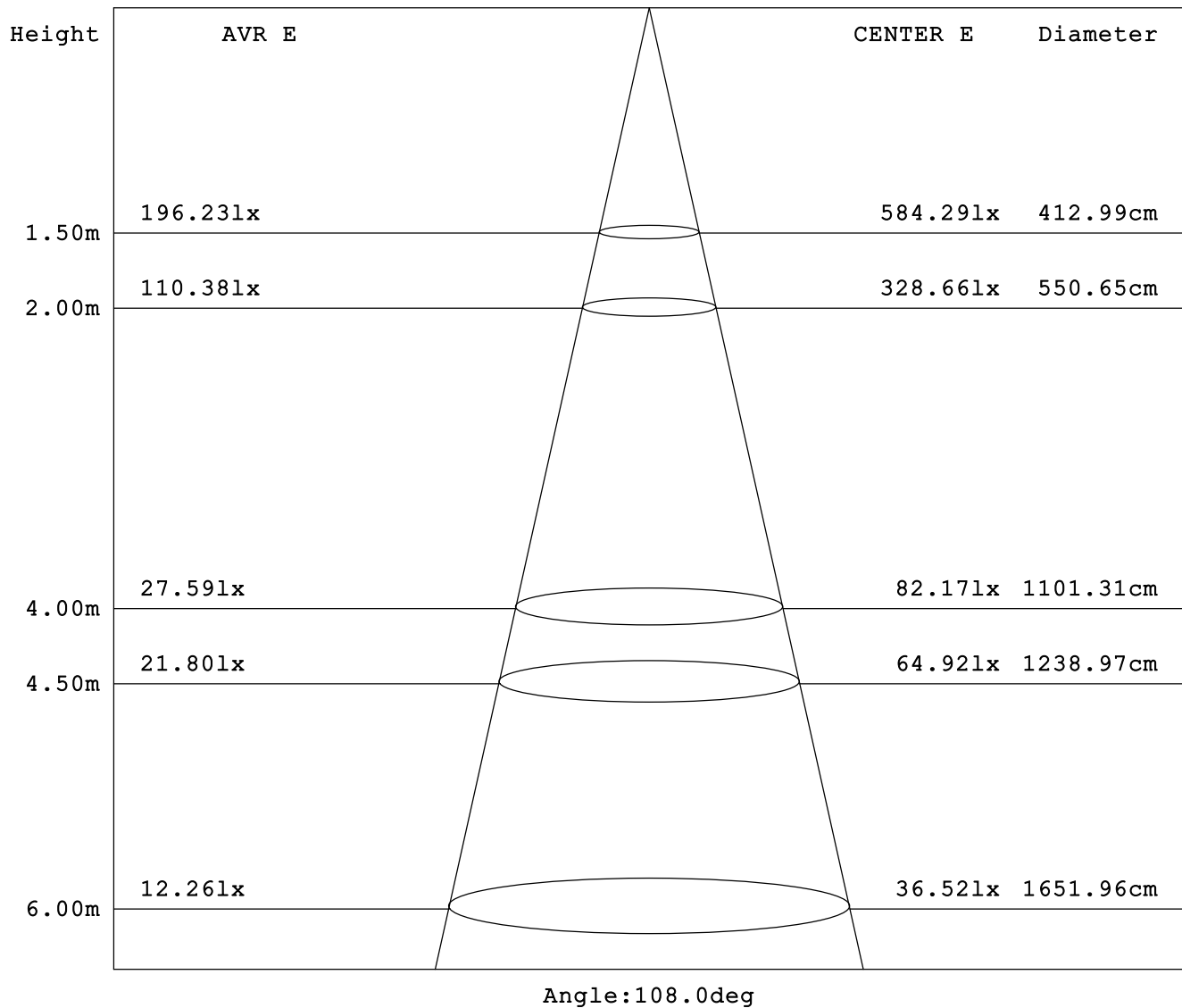
Test System:
Temperature:25.3DEG
Operators:
Test Date:2024.03.12

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

AVERAGE AND CENTER E Figure

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MANUFACTURER: ILUMEN GMBH			
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SPECIFICATION: 2835 LED 120deg	CCT (K) : 4000	DIMENSION:	SERIAL No.:



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ZONAL FLUX DIAGRAM

Report number:

MANUFACTURER: ILUMEN GMBH			
Address:			
NAME: Emma		TYPE: IL-TL26-N03640-120	WEIGHT:
SPECIFICATION: 2835 LED 120deg	CCT (K) : 4000	DIMENSION:	SERIAL No. :

γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Zone	total
5.0	1304	1301	1300	1293	1310	1303	1297	1293	0- 5	31.15	31.15
10.0	1279	1283	1287	1275	1292	1286	1281	1274	5- 10	92.38	123.5
15.0	1242	1254	1265	1246	1261	1259	1256	1246	10- 15	150.4	273.9
20.0	1193	1215	1235	1207	1217	1220	1223	1205	15- 20	203.3	477.3
25.0	1131	1166	1196	1157	1161	1172	1183	1155	20- 25	249.5	726.9
30.0	1062	1108	1152	1098	1094	1117	1135	1098	25- 30	287.6	1015
35.0	983.3	1045	1101	1033	1019	1052	1082	1032	30- 35	316.7	1331
40.0	899.5	974.1	1044	959.9	934.6	981.8	1022	959.0	35- 40	336.1	1668
45.0	808.0	897.8	980.1	881.6	843.8	907.4	956.6	883.4	40- 45	345.5	2013
50.0	711.5	819.9	913.8	801.4	749.3	827.5	890.8	802.2	45- 50	345.3	2358
55.0	613.6	738.8	846.0	716.9	648.3	745.7	820.7	719.1	50- 55	335.9	2694
60.0	510.6	658.3	774.3	633.6	544.2	666.4	748.7	638.7	55- 60	318.4	3013
65.0	406.2	580.4	702.2	553.5	440.3	586.2	677.5	558.3	60- 65	294.0	3307
70.0	304.6	503.2	631.4	474.3	333.5	508.4	604.9	480.6	65- 70	263.8	3571
75.0	204.7	430.0	559.4	399.4	229.5	436.1	532.7	408.7	70- 75	229.8	3801
80.0	114.3	363.0	489.9	331.7	134.1	366.1	464.2	340.3	75- 80	193.8	3994
85.0	49.31	299.8	424.2	268.9	58.18	301.8	397.8	277.8	80- 85	158.4	4153
90.0	23.17	243.9	361.0	214.2	19.62	244.9	335.7	223.0	85- 90	127.4	4280
95.0	18.34	193.5	302.7	165.1	14.49	193.9	280.8	169.4	90- 95	102.8	4383
100.0	15.87	148.6	250.2	123.1	12.52	148.1	228.5	129.9	95-100	81.26	4464
105.0	13.80	110.3	202.1	88.07	10.94	105.6	179.1	87.28	100-105	61.88	4526
110.0	12.22	72.68	149.0	56.51	9.566	66.66	130.5	59.07	105-110	44.23	4571
115.0	10.94	49.21	113.5	34.41	8.580	45.46	96.15	37.97	110-115	29.95	4601
120.0	9.961	29.09	81.75	17.55	7.791	27.71	67.26	22.28	115-120	19.95	4620
125.0	9.369	14.00	54.73	9.862	7.396	14.89	43.29	13.61	120-125	12.20	4633
130.0	9.073	9.961	32.25	9.369	7.298	13.21	22.78	12.72	125-130	7.615	4640
135.0	9.073	9.763	16.47	9.369	7.594	12.62	11.34	12.32	130-135	5.064	4645
140.0	9.270	9.763	14.99	9.467	8.087	12.32	11.04	11.93	135-140	4.048	4649
145.0	9.467	9.566	14.30	9.566	8.580	12.03	10.75	11.44	140-145	3.599	4653
150.0	9.665	9.467	13.61	9.665	8.876	11.83	10.55	11.14	145-150	3.134	4656
155.0	9.862	9.566	12.91	9.763	9.270	11.53	10.35	11.14	150-155	2.677	4659
160.0	10.05	9.566	12.52	9.862	9.763	11.34	10.15	10.94	155-160	2.207	4661
165.0	10.25	9.566	12.13	9.961	10.15	11.14	10.05	10.84	160-165	1.731	4663
170.0	10.55	9.566	11.73	9.862	10.55	10.94	9.961	10.75	165-170	1.244	4664
175.0	10.75	9.665	11.44	9.763	10.55	10.84	9.665	10.65	170-175	0.749	4665
180.0	10.84	10.45	11.04	10.75	10.65	11.44	10.05	11.44	175-180	0.251	4665
DEG	LUMINOUS INTENSITY:cd									UNIT:lm	

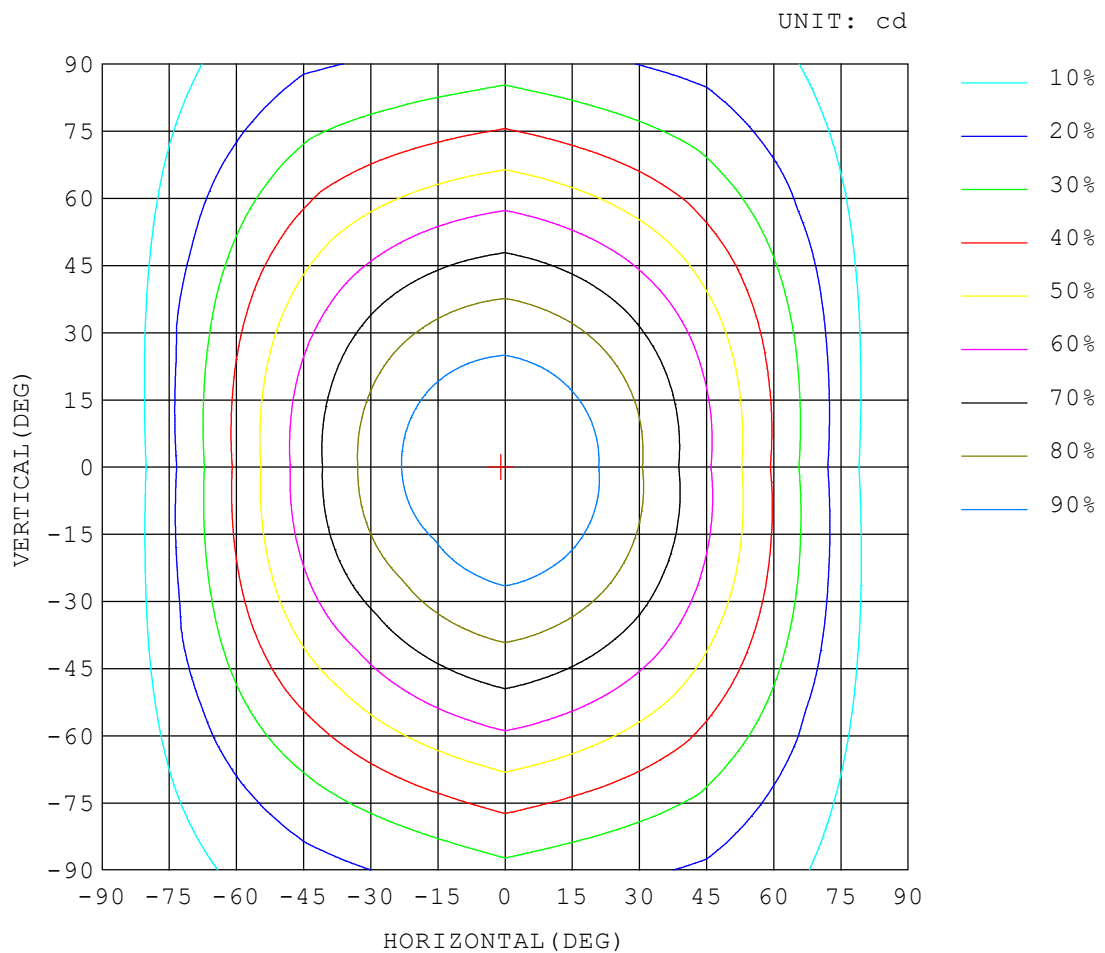
Test System:
 Temperature:25.3DEG
 Operators:
 Test Date:2024.03.12

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

ISOCANDELA DIAGRAM

Report number:

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Address:			
NAME: Emma		TYPE: IL-TL26-N03640-120	WEIGHT:
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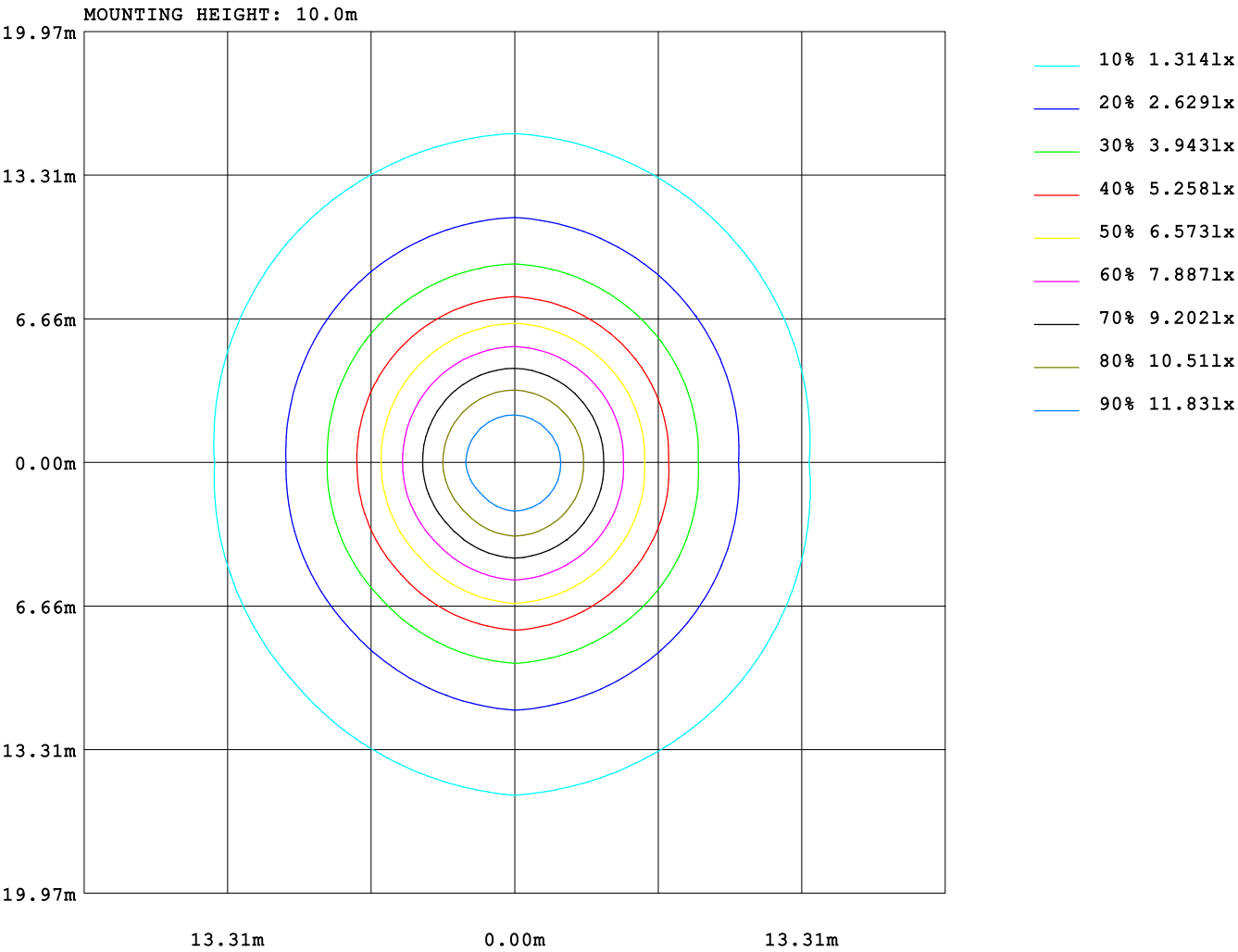
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Operators:
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ISOLUX DIAGRAM

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Address:			
NAME: Emma		TYPE: IL-TL26-N03640-120	WEIGHT:
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LUMINOUS DISTRIBUTION INTENSITY DATA

Report number:

MANUFACTURER: ILUMEN GMBH			
Address:			
NAME: Emma		TYPE: IL-TL26-N03640-120	WEIGHT:
SPECIFICATION: 2835 LED 120deg	CCT (K) : 4000	DIMENSION:	SERIAL No. :

UNIT: cd

C (DEG) γ (DEG)	0	45	90	135	180	225	270	315
0.0	1315	1308	1304	1299	1315	1308	1304	1299
5.0	1304	1301	1300	1293	1310	1303	1297	1293
10.0	1279	1283	1287	1275	1292	1286	1281	1274
15.0	1242	1254	1265	1246	1261	1259	1256	1246
20.0	1193	1215	1235	1207	1217	1220	1223	1205
25.0	1131	1166	1196	1157	1161	1172	1183	1155
30.0	1062	1108	1152	1098	1094	1117	1135	1098
35.0	983	1045	1101	1033	1019	1052	1082	1032
40.0	900	974	1044	960	935	982	1022	959
45.0	808	898	980	882	844	907	957	883
50.0	712	820	914	801	749	828	891	802
55.0	614	739	846	717	648	746	821	719
60.0	511	658	774	634	544	666	749	639
65.0	406	580	702	554	440	586	678	558
70.0	305	503	631	474	334	508	605	481
75.0	205	430	559	399	230	436	533	409
80.0	114	363	490	332	134	366	464	340
85.0	49.3	300	424	269	58.1	302	398	278
90.0	23.1	244	361	214	19.6	245	336	223
95.0	18.3	194	303	165	14.4	194	281	169
100.0	15.8	149	250	123	12.5	148	229	130
105.0	13.8	110	202	88.0	10.9	106	179	87.2
110.0	12.2	72.6	149	56.5	9.56	66.6	131	59.0
115.0	10.9	49.2	114	34.4	8.58	45.4	96.1	37.9
120.0	9.96	29.0	81.7	17.5	7.79	27.7	67.2	22.2
125.0	9.36	14.0	54.7	9.86	7.39	14.8	43.2	13.6
130.0	9.07	9.96	32.2	9.36	7.29	13.2	22.7	12.7
135.0	9.07	9.76	16.4	9.36	7.59	12.6	11.3	12.3
140.0	9.27	9.76	14.9	9.46	8.08	12.3	11.0	11.9
145.0	9.46	9.56	14.3	9.56	8.58	12.0	10.7	11.4
150.0	9.66	9.46	13.6	9.66	8.87	11.8	10.5	11.1
155.0	9.86	9.56	12.9	9.76	9.27	11.5	10.3	11.1
160.0	10.0	9.56	12.5	9.86	9.76	11.3	10.1	10.9
165.0	10.2	9.56	12.1	9.96	10.1	11.1	10.0	10.8
170.0	10.5	9.56	11.7	9.86	10.5	10.9	9.96	10.7
175.0	10.7	9.66	11.4	9.76	10.5	10.8	9.66	10.6
180.0	10.8	10.4	11.0	10.7	10.6	11.4	10.0	11.4

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