

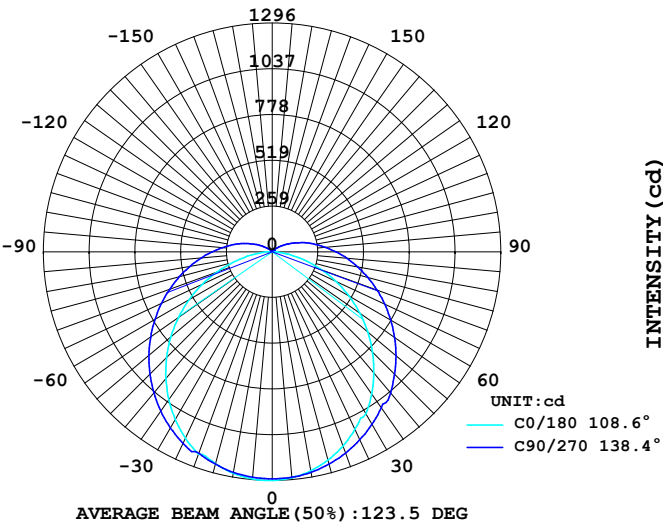
LUMINAIRE PHOTOMETRIC TEST REPORT

Report number:

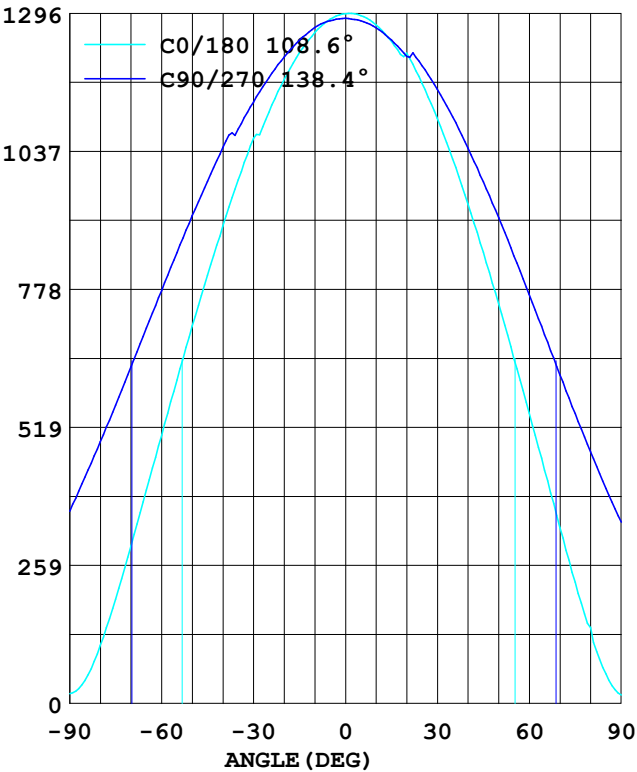
MANUFACTURER: ILUMEN GMBH			
Address:			
NAME: Emma		TYPE: IL-TL26-N03640-120	WEIGHT:
SPECIFICATION: 2835 LED 120deg	CCT (K) : 4000	DIMENSION:	SERIAL No.:

DATA OF LAMP		Imax (cd)	1296	S/MH (C0/180)	1.22
MODEL		EFFICIENCY (%)	100.0	S/MH (C90/270)	1.31
NOMINAL POWER(W)	36	TOTAL FLUX(lm)	4669.9	Voltage(V)	230.6
RATED VOLTAGE (V)	230	EFFICIENCY (lm/W)	130.2	Current(A)	0.159
NOMINAL FLUX(lm)	4670.0	η up (%)	8.2	Power(W)	35.86
LAMPS QUANTITY	1	η down (%)	91.8	Power Factor (PF)	0.979
TEST VOLTAGE (V)	230.6	Effective Flux(lm)	4670.0	EEL	0.105

LUMINOUS INTENSITY DISTRIBUTION



LUMINOUS INTENSITY DISTRIBUTION



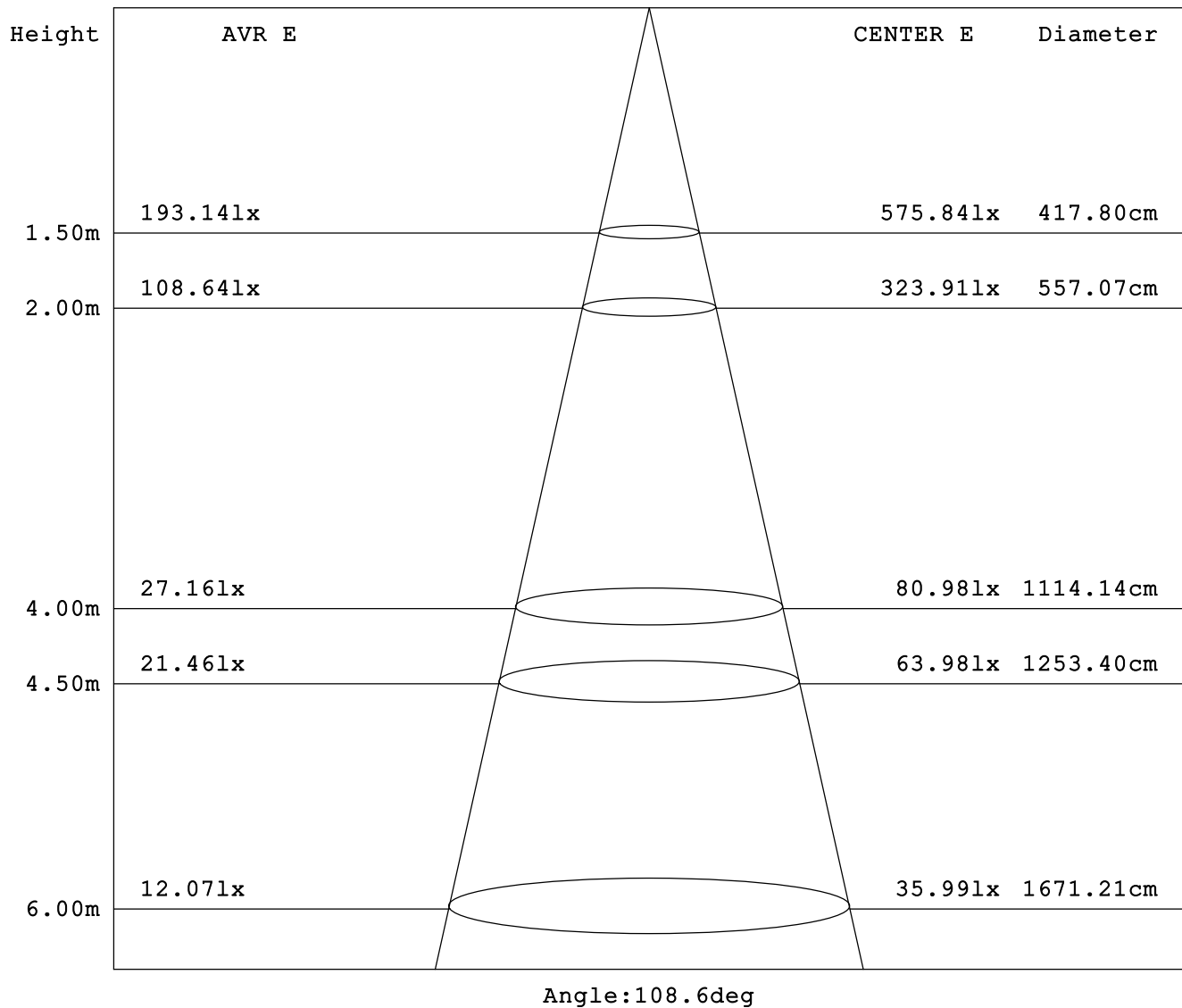
Test System:
Temperature:25.3DEG
Operators:
Test Date:2024.03.12

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

AVERAGE AND CENTER E Figure

Report number:

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



Test System:
Temperature:25.3DEG
Operators:
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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	1285	1282	1282	1273	1292	1285	1282	1274	0- 5	30.72	30.72
10.0	1260	1264	1270	1255	1275	1270	1269	1257	5- 10	91.11	121.8
15.0	1222	1234	1245	1227	1244	1243	1246	1228	10- 15	148.3	270.1
20.0	1172	1216	1214	1209	1221	1206	1215	1189	15- 20	201.0	471.2
25.0	1110	1167	1175	1160	1165	1159	1198	1141	20- 25	248.1	719.3
30.0	1061	1109	1130	1101	1099	1102	1154	1082	25- 30	286.2	1006
35.0	983.6	1044	1079	1035	1022	1061	1102	1039	30- 35	316.5	1322
40.0	896.7	974.1	1044	963.2	937.4	992.2	1043	968.8	35- 40	337.6	1660
45.0	804.1	898.1	980.4	885.5	847.5	915.5	979.9	891.5	40- 45	347.5	2007
50.0	708.7	818.2	916.1	803.6	750.1	834.5	912.3	809.9	45- 50	347.4	2355
55.0	607.3	738.2	846.7	721.0	647.9	753.6	840.7	728.0	50- 55	338.0	2693
60.0	503.2	657.8	775.3	637.6	545.4	670.7	768.1	645.2	55- 60	320.1	3013
65.0	400.5	578.3	704.7	555.9	438.2	590.6	692.3	565.5	60- 65	295.5	3309
70.0	295.7	503.5	632.1	479.1	330.6	510.8	617.1	486.7	65- 70	265.0	3574
75.0	195.7	430.7	559.9	404.8	227.6	435.2	544.5	412.1	70- 75	230.6	3804
80.0	109.1	362.7	491.7	335.7	142.2	366.4	472.2	344.5	75- 80	194.5	3999
85.0	43.11	301.5	424.7	274.4	55.84	301.4	403.5	281.6	80- 85	159.1	4158
90.0	18.19	245.7	361.1	219.4	15.91	242.7	340.8	225.1	85- 90	127.8	4286
95.0	14.89	195.5	303.7	170.5	11.88	192.0	283.1	176.7	90- 95	103.0	4389
100.0	12.91	151.8	249.7	129.8	10.38	146.8	231.1	133.6	95-100	81.80	4471
105.0	11.40	104.7	200.7	89.89	9.187	97.69	183.1	86.58	100-105	62.06	4533
110.0	10.20	74.57	151.3	57.58	8.226	65.75	134.5	59.44	105-110	43.76	4576
115.0	9.307	49.71	114.9	36.14	7.505	43.53	98.71	38.79	110-115	30.28	4607
120.0	8.586	28.64	82.44	18.31	6.965	25.09	68.93	21.43	115-120	19.81	4627
125.0	8.106	13.81	55.36	9.787	6.725	13.57	43.53	13.03	120-125	12.01	4639
130.0	7.986	10.02	32.00	9.427	6.845	12.54	23.17	12.18	125-130	7.468	4646
135.0	8.166	9.667	15.79	9.307	7.325	12.00	12.42	11.58	130-135	4.936	4651
140.0	8.406	9.367	14.23	9.367	7.806	11.70	11.88	11.10	135-140	3.927	4655
145.0	8.706	9.367	13.45	9.427	8.226	11.34	11.40	10.86	140-145	3.475	4658
150.0	9.007	9.427	12.85	9.427	8.766	11.04	11.04	10.68	145-150	3.038	4661
155.0	9.367	9.307	12.24	9.487	9.247	10.80	10.62	10.44	150-155	2.590	4664
160.0	9.667	9.367	11.70	9.547	9.667	10.56	10.26	10.32	155-160	2.131	4666
165.0	9.967	9.367	11.22	9.487	10.02	10.38	9.967	10.14	160-165	1.665	4668
170.0	10.32	9.367	10.92	9.547	10.32	10.32	9.787	10.08	165-170	1.197	4669
175.0	10.62	9.427	10.62	9.547	10.56	10.20	9.427	10.08	170-175	0.721	4670
180.0	10.80	10.44	10.20	10.74	10.80	11.04	9.487	11.16	175-180	0.244	4670
DEG	LUMINOUS INTENSITY:cd									UNIT:lm	

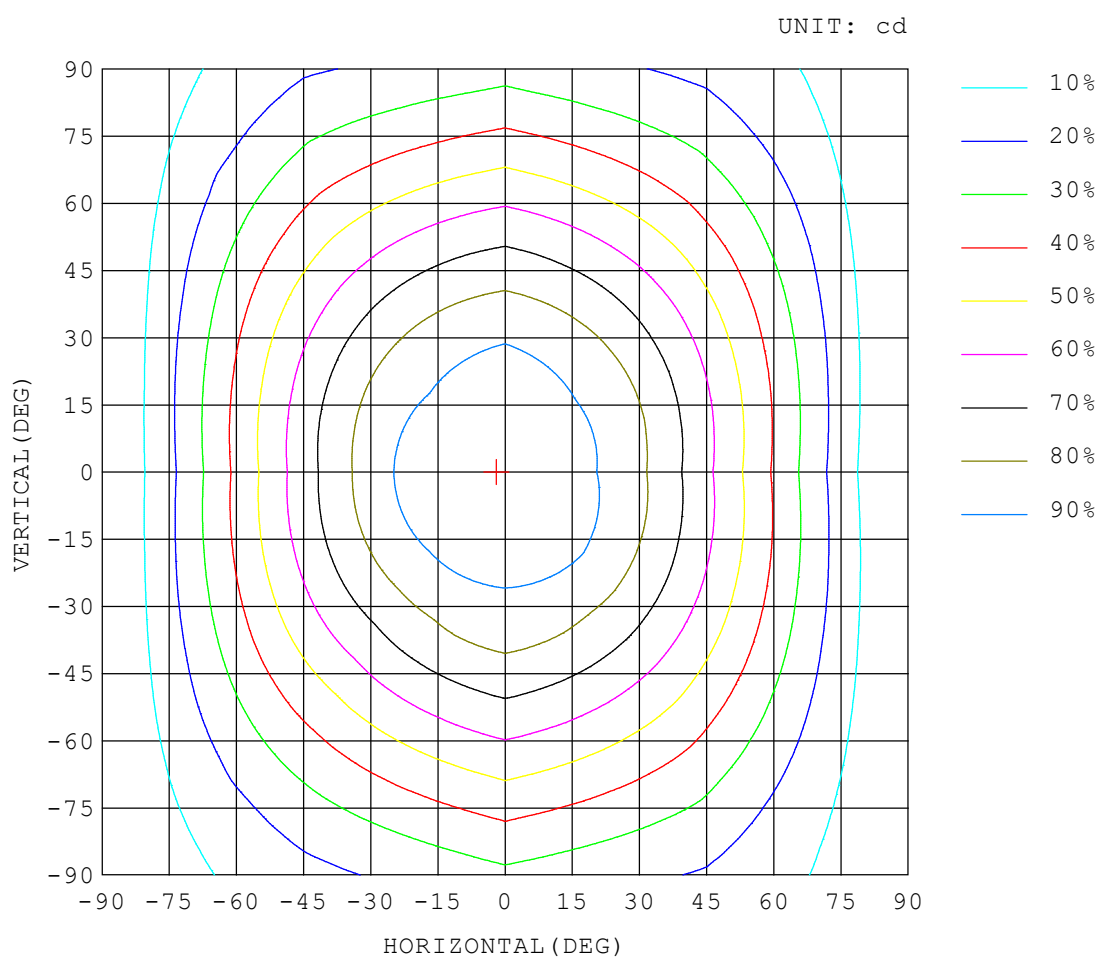
Test System:
 Temperature:25.3DEG
 Operators:
 Test Date:2024.03.12

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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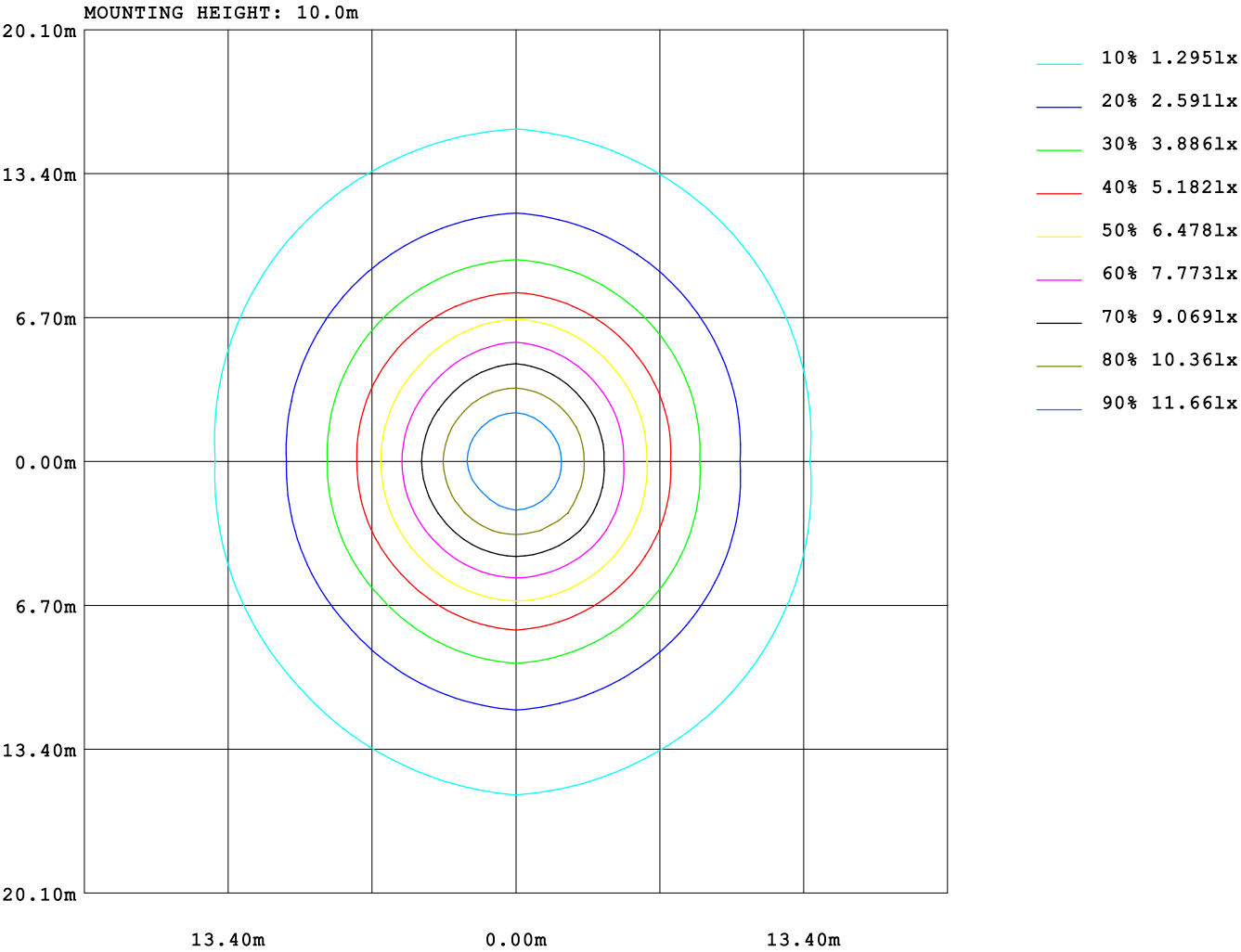
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Operators:
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ISOLUX DIAGRAM

Report number:

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



Test System:
Temperature:25.3DEG
Operators:
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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	1296	1289	1287	1280	1296	1289	1287	1280
5.0	1285	1282	1282	1273	1292	1285	1282	1274
10.0	1260	1264	1270	1255	1275	1270	1269	1257
15.0	1222	1234	1245	1227	1244	1243	1246	1228
20.0	1172	1216	1214	1209	1221	1206	1215	1189
25.0	1110	1167	1175	1160	1165	1159	1198	1141
30.0	1061	1109	1130	1101	1099	1102	1154	1082
35.0	984	1044	1079	1035	1022	1061	1102	1039
40.0	897	974	1044	963	937	992	1043	969
45.0	804	898	980	886	848	916	980	892
50.0	709	818	916	804	750	835	912	810
55.0	607	738	847	721	648	754	841	728
60.0	503	658	775	638	545	671	768	645
65.0	401	578	705	556	438	591	692	566
70.0	296	504	632	479	331	511	617	487
75.0	196	431	560	405	228	435	545	412
80.0	109	363	492	336	142	366	472	345
85.0	43.1	302	425	274	55.8	301	404	282
90.0	18.1	246	361	219	15.9	243	341	225
95.0	14.8	196	304	171	11.8	192	283	177
100.0	12.9	152	250	130	10.3	147	231	134
105.0	11.4	105	201	89.8	9.18	97.6	183	86.5
110.0	10.2	74.5	151	57.5	8.22	65.7	135	59.4
115.0	9.30	49.7	115	36.1	7.50	43.5	98.7	38.7
120.0	8.58	28.6	82.4	18.3	6.96	25.0	68.9	21.4
125.0	8.10	13.8	55.3	9.78	6.72	13.5	43.5	13.0
130.0	7.98	10.0	32.0	9.42	6.84	12.5	23.1	12.1
135.0	8.16	9.66	15.7	9.30	7.32	12.0	12.4	11.5
140.0	8.40	9.36	14.2	9.36	7.80	11.7	11.8	11.1
145.0	8.70	9.36	13.4	9.42	8.22	11.3	11.4	10.8
150.0	9.00	9.42	12.8	9.42	8.76	11.0	11.0	10.6
155.0	9.36	9.30	12.2	9.48	9.24	10.8	10.6	10.4
160.0	9.66	9.36	11.7	9.54	9.66	10.5	10.2	10.3
165.0	9.96	9.36	11.2	9.48	10.0	10.3	9.96	10.1
170.0	10.3	9.36	10.9	9.54	10.3	10.3	9.78	10.0
175.0	10.6	9.42	10.6	9.54	10.5	10.2	9.42	10.0
180.0	10.8	10.4	10.2	10.7	10.8	11.0	9.48	11.1

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