

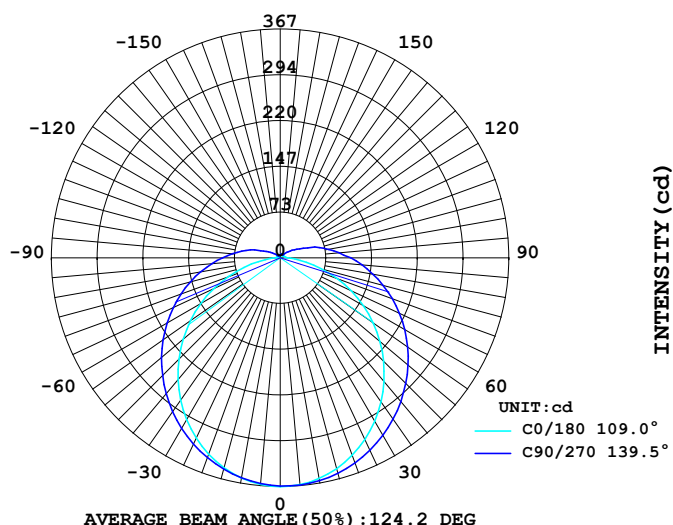
LUMINAIRE PHOTOMETRIC TEST REPORT

Report number:

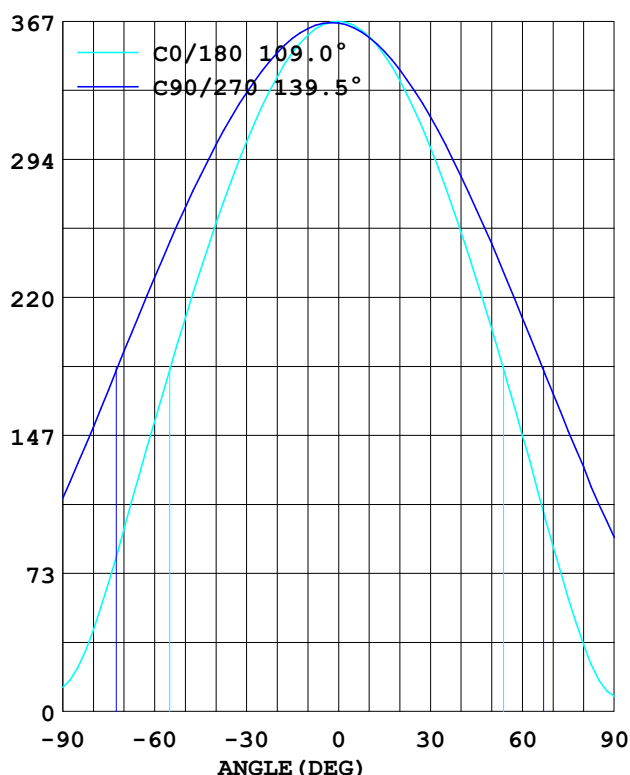
MANUFACTURER: ILUMEN GMBH			
Address:			
NAME: Emma		TYPE: IL-TL26-N01040-120	WEIGHT:
SPECIFICATION: 2835LED 120deg	CCT (K) : 4000	DIMENSION:	SERIAL No.:

DATA OF LAMP		Imax (cd)	367.3	S/MH (C0/180)	1.23
MODEL		EFFICIENCY (%)	100.0	S/MH (C90/270)	1.34
NOMINAL POWER(W)	10	TOTAL FLUX(lm)	1348.4	Voltage(V)	230.5
RATED VOLTAGE (V)	230	EFFICIENCY (lm/W)	133.0	Current(A)	0.044
NOMINAL FLUX(lm)	1348.5	η up (%)	9.3	Power(W)	10.14
LAMPS QUANTITY	1	η down (%)	90.7	Power Factor (PF)	0.978
TEST VOLTAGE (V)	230.5	Effective Flux(lm)	1348.5	EEL	0.102

LUMINOUS INTENSITY DISTRIBUTION



LUMINOUS INTENSITY DISTRIBUTION



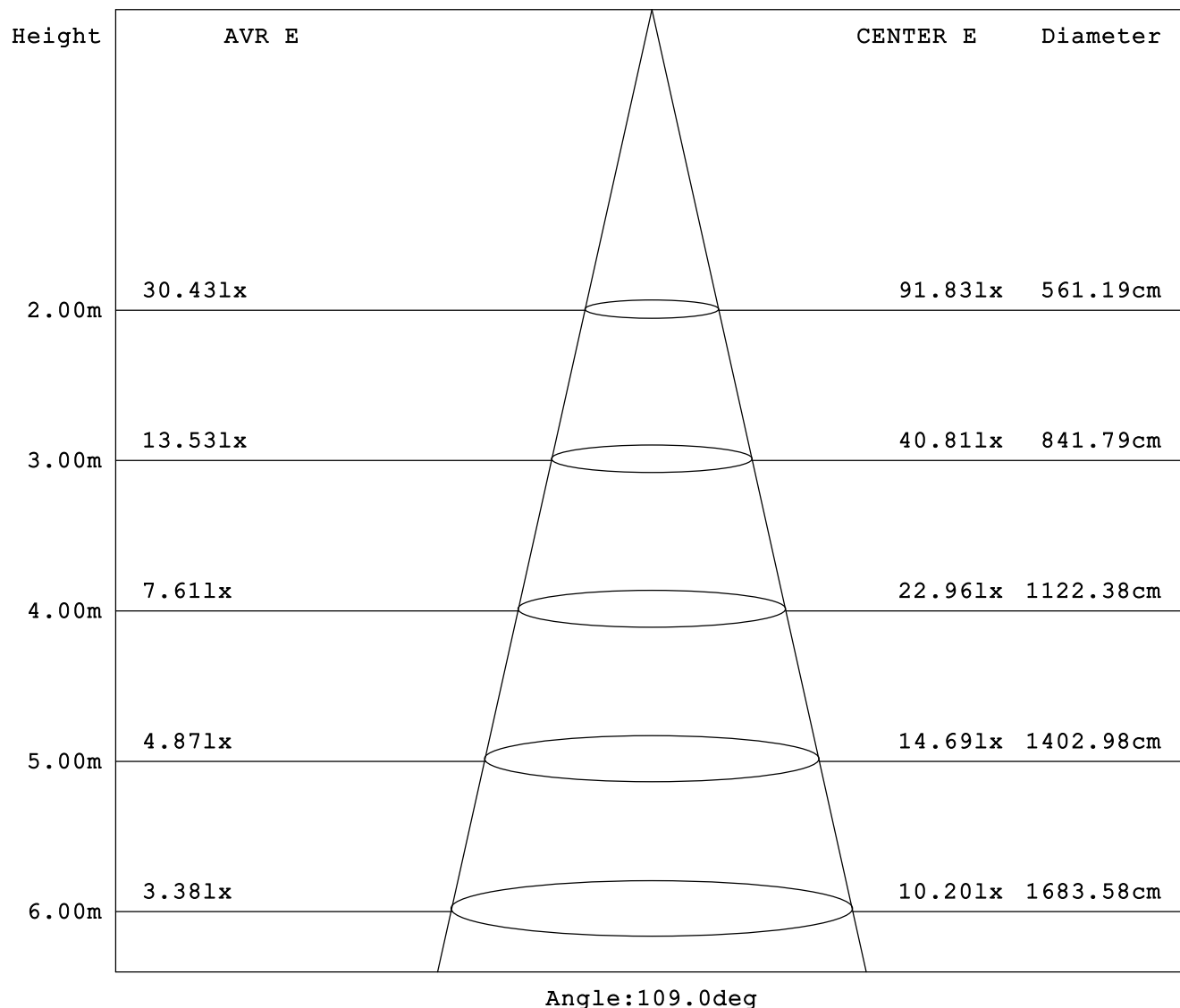
Test System:
 Temperature:25.3DEG
 Operators:
 Test Date:2023.09.18

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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Test Date:2023.09.18

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ZONAL FLUX DIAGRAM

Report number:

MANUFACTURER: ILUMEN GMBH			
Address:			
NAME: Emma		TYPE: IL-TL26-N01040-120	WEIGHT:
SPECIFICATION: 2835LED 120deg	CCT (K) : 4000	DIMENSION:	SERIAL No. :

γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Zone	total
5.0	365.5	365.8	366.2	364.7	365.2	364.9	363.8	363.5	0- 5	8.746	8.746
10.0	359.7	361.5	363.3	360.2	359.0	359.4	358.7	357.9	5- 10	25.93	34.68
15.0	350.5	354.0	358.1	352.6	349.1	351.2	351.1	349.3	10- 15	42.23	76.91
20.0	337.6	344.0	350.4	342.1	336.0	339.9	341.6	337.6	15- 20	57.12	134.0
25.0	322.0	331.1	340.8	328.6	319.4	326.1	329.9	323.1	20- 25	70.14	204.1
30.0	303.2	315.8	329.2	312.6	300.1	310.4	316.5	306.8	25- 30	80.93	285.1
35.0	282.1	298.9	316.1	294.9	278.8	292.4	301.6	288.1	30- 35	89.23	374.3
40.0	259.6	280.1	301.5	275.0	255.1	272.6	284.7	267.7	35- 40	94.86	469.2
45.0	234.8	259.8	285.1	253.8	229.8	252.0	267.0	246.6	40- 45	97.80	567.0
50.0	208.8	238.9	267.9	232.1	203.7	229.9	248.9	224.0	45- 50	98.08	665.1
55.0	182.4	217.0	250.1	209.1	175.9	207.8	229.6	201.1	50- 55	95.84	760.9
60.0	154.4	195.0	231.0	186.0	147.3	186.2	209.5	179.0	55- 60	91.34	852.3
65.0	126.0	173.6	211.3	163.8	117.5	164.2	189.6	156.5	60- 65	84.82	937.1
70.0	96.79	152.2	191.7	141.7	88.25	142.9	169.3	134.9	65- 70	76.59	1014
75.0	68.57	131.6	171.1	124.7	60.15	123.2	149.1	115.1	70- 75	67.27	1081
80.0	42.96	110.9	150.9	99.69	35.59	102.7	130.2	94.70	75- 80	57.15	1138
85.0	23.39	92.49	132.0	81.46	16.60	85.00	110.2	77.45	80- 85	46.96	1185
90.0	12.89	75.94	113.5	65.37	8.128	69.38	92.61	62.41	85- 90	38.17	1223
95.0	9.928	61.66	94.93	51.85	6.735	55.33	77.16	49.12	90- 95	30.93	1254
100.0	8.767	48.71	79.31	39.94	6.096	43.14	62.76	37.74	95-100	24.85	1279
105.0	7.780	37.45	64.91	28.79	5.574	28.56	49.93	24.21	100-105	19.24	1298
110.0	7.025	22.99	47.03	18.17	5.167	21.48	33.38	18.11	105-110	13.77	1312
115.0	6.445	17.59	34.83	13.12	4.819	15.09	25.43	12.54	110-115	9.565	1322
120.0	5.399	11.90	26.65	8.419	3.890	10.04	18.17	8.419	115-120	6.777	1328
125.0	5.167	7.257	19.62	5.283	4.064	6.793	12.07	6.561	120-125	4.577	1333
130.0	5.109	4.877	13.58	4.703	4.296	6.270	7.141	6.096	125-130	3.203	1336
135.0	5.109	4.819	8.593	4.645	4.528	6.038	5.225	5.980	130-135	2.423	1339
140.0	5.109	4.877	6.851	4.703	4.586	5.922	5.225	5.922	135-140	2.025	1341
145.0	5.109	4.935	6.561	4.761	4.703	5.864	5.167	5.922	140-145	1.801	1342
150.0	5.109	4.935	6.328	4.819	4.819	5.806	5.109	5.806	145-150	1.580	1344
155.0	5.109	4.935	6.154	4.877	4.935	5.690	5.051	5.690	150-155	1.347	1345
160.0	5.109	4.877	5.980	4.877	4.993	5.632	4.993	5.516	155-160	1.106	1347
165.0	5.225	4.761	5.864	4.877	5.051	5.574	4.993	5.341	160-165	0.862	1347
170.0	5.225	4.703	5.690	4.877	5.109	5.457	4.935	5.283	165-170	0.615	1348
175.0	5.283	4.703	5.516	4.877	5.225	5.341	4.877	5.283	170-175	0.368	1348
180.0	5.341	4.993	5.399	5.051	5.457	5.341	4.877	5.341	175-180	0.123	1348
DEG	LUMINOUS INTENSITY:cd									UNIT:lm	

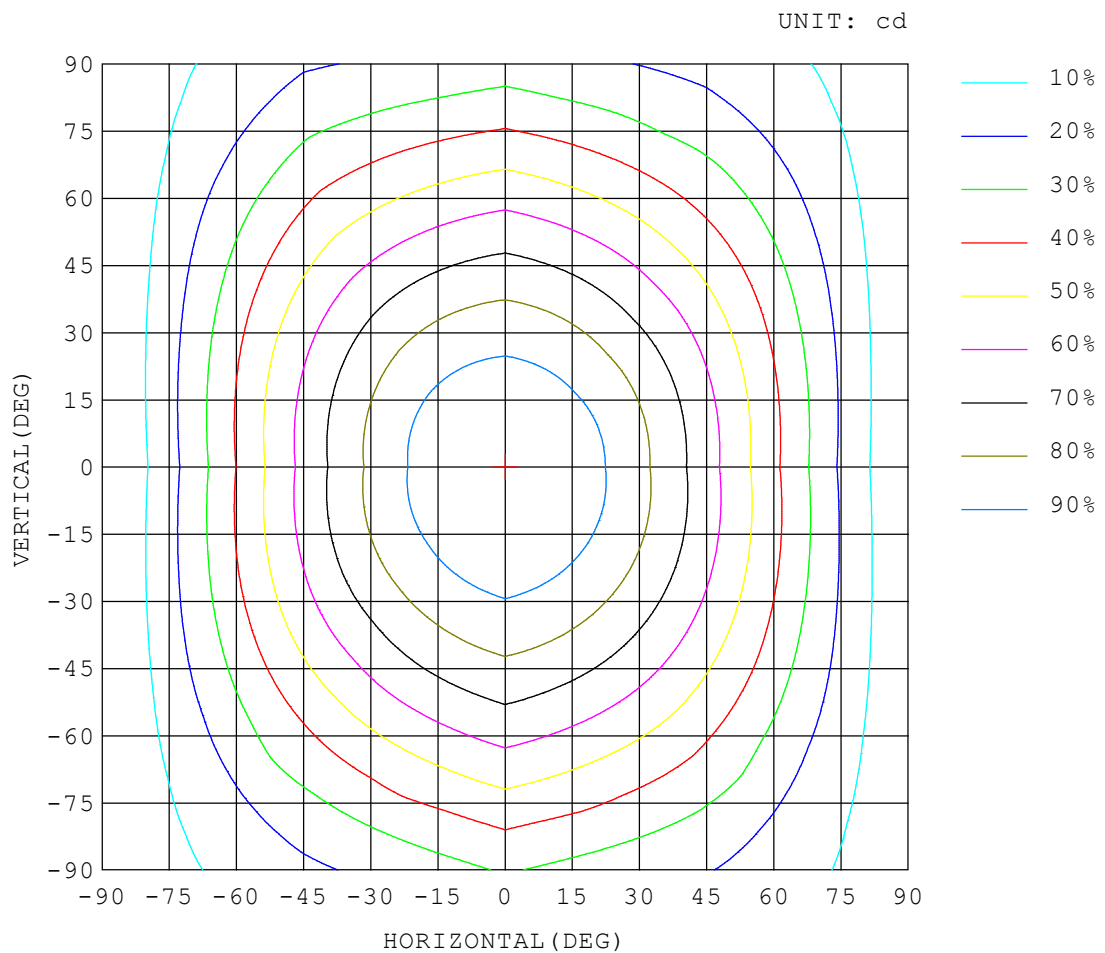
Test System:
Temperature:25.3DEG
Operators:
Test Date:2023.09.18

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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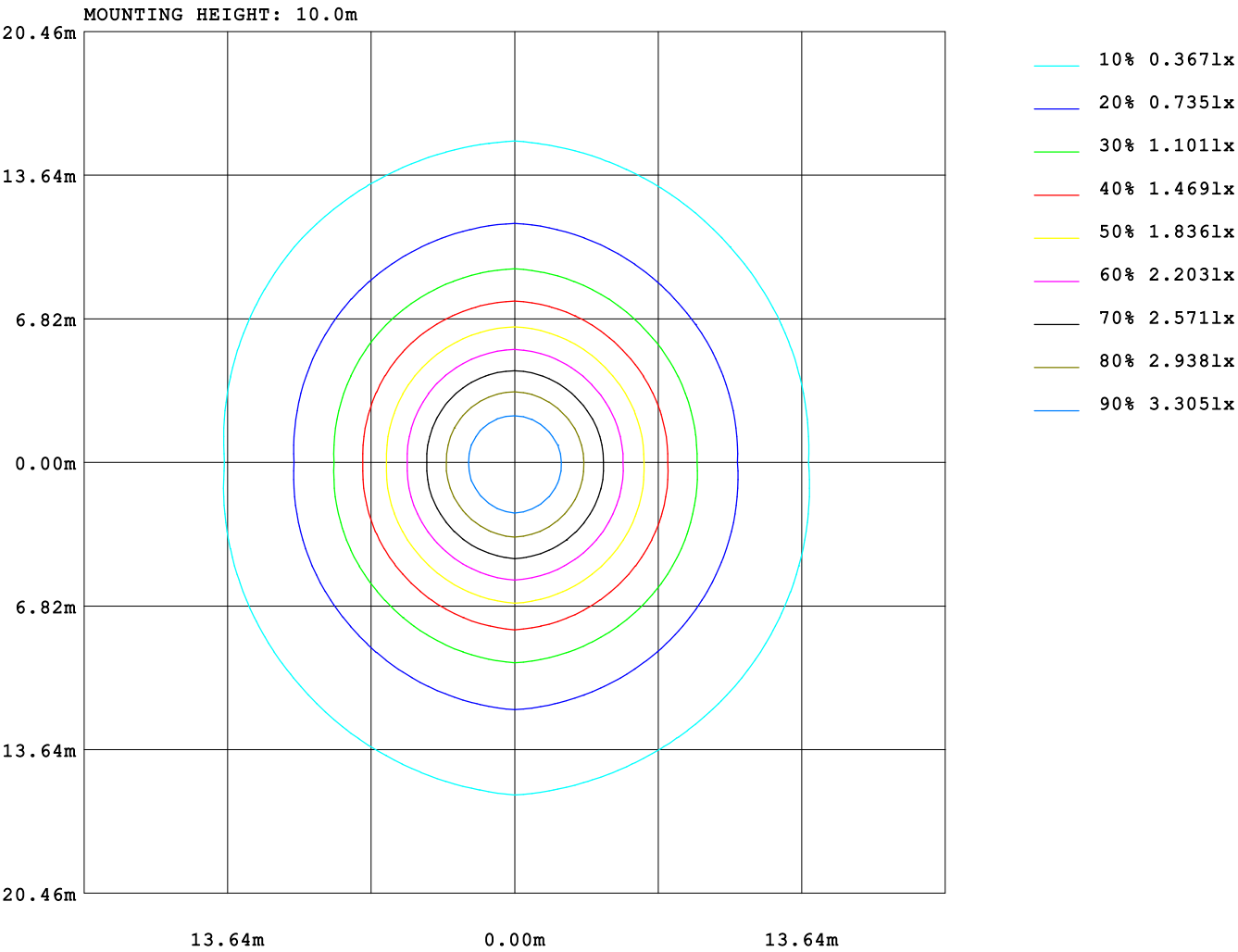
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ISOLUX DIAGRAM

Report number:

MANUFACTURER: ILUMEN GMBH			
Address:			
NAME: Emma		TYPE: IL-TL26-N01040-120	WEIGHT:
SPECIFICATION: 2835LED 120deg	CCT (K) : 4000	DIMENSION:	SERIAL No. :



Test System:
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Operators:
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Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Report number:

MANUFACTURER: ILUMEN GMBH			
Address:			
NAME: Emma		TYPE: IL-TL26-N01040-120	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	367	367	366	366	367	367	366	366
5.0	366	366	366	365	365	365	364	364
10.0	360	362	363	360	359	359	359	358
15.0	351	354	358	353	349	351	351	349
20.0	338	344	350	342	336	340	342	338
25.0	322	331	341	329	319	326	330	323
30.0	303	316	329	313	300	310	317	307
35.0	282	299	316	295	279	292	302	288
40.0	260	280	302	275	255	273	285	268
45.0	235	260	285	254	230	252	267	247
50.0	209	239	268	232	204	230	249	224
55.0	182	217	250	209	176	208	230	201
60.0	154	195	231	186	147	186	210	179
65.0	126	174	211	164	118	164	190	157
70.0	96.7	152	192	142	88.2	143	169	135
75.0	68.5	132	171	125	60.1	123	149	115
80.0	42.9	111	151	99.6	35.5	103	130	94.7
85.0	23.3	92.4	132	81.4	16.6	85.0	110	77.4
90.0	12.8	75.9	114	65.3	8.12	69.3	92.6	62.4
95.0	9.92	61.6	94.9	51.8	6.73	55.3	77.1	49.1
100.0	8.76	48.7	79.3	39.9	6.09	43.1	62.7	37.7
105.0	7.78	37.4	64.9	28.7	5.57	28.5	49.9	24.2
110.0	7.02	22.9	47.0	18.1	5.16	21.4	33.3	18.1
115.0	6.44	17.5	34.8	13.1	4.81	15.0	25.4	12.5
120.0	5.39	11.9	26.6	8.41	3.89	10.0	18.1	8.41
125.0	5.16	7.25	19.6	5.28	4.06	6.79	12.0	6.56
130.0	5.10	4.87	13.5	4.70	4.29	6.27	7.14	6.09
135.0	5.10	4.81	8.59	4.64	4.52	6.03	5.22	5.98
140.0	5.10	4.87	6.85	4.70	4.58	5.92	5.22	5.92
145.0	5.10	4.93	6.56	4.76	4.70	5.86	5.16	5.92
150.0	5.10	4.93	6.32	4.81	4.81	5.80	5.10	5.80
155.0	5.10	4.93	6.15	4.87	4.93	5.69	5.05	5.69
160.0	5.10	4.87	5.98	4.87	4.99	5.63	4.99	5.51
165.0	5.22	4.76	5.86	4.87	5.05	5.57	4.99	5.34
170.0	5.22	4.70	5.69	4.87	5.10	5.45	4.93	5.28
175.0	5.28	4.70	5.51	4.87	5.22	5.34	4.87	5.28
180.0	5.34	4.99	5.39	5.05	5.45	5.34	4.87	5.34

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