

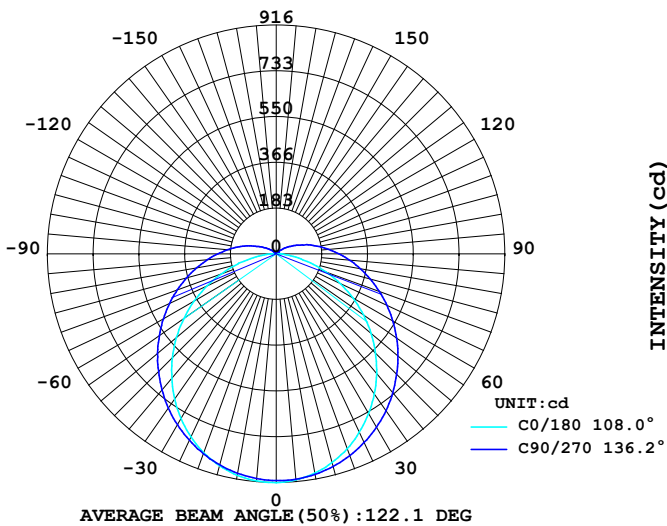
LUMINAIRE PHOTOMETRIC TEST REPORT

Report number:

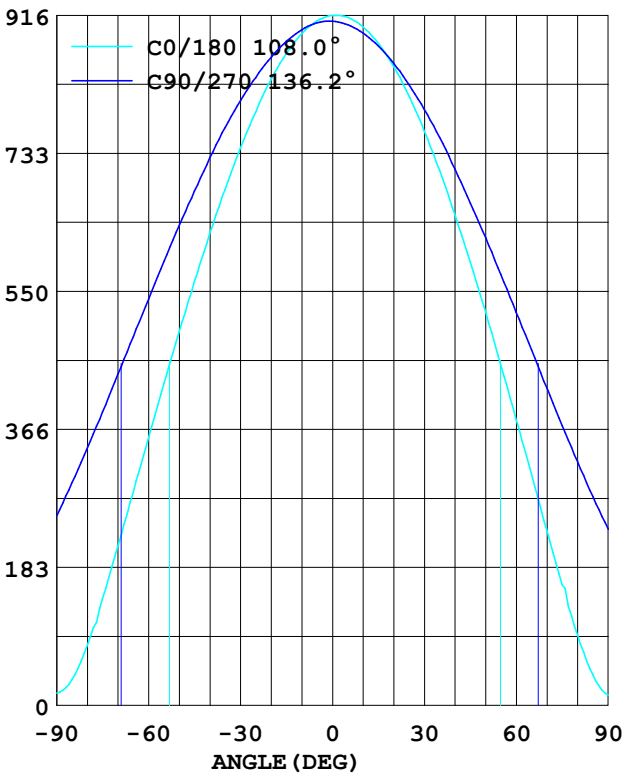
MANUFACTURER: ILUMEN GMBH			
Address:			
NAME: Emma		TYPE: IL-TL26-N02540-120	WEIGHT:
SPECIFICATION: 2835 LED 120deg	CCT (K) : 4000	DIMENSION:	SERIAL No.:

DATA OF LAMP		Imax(cd)	915.8	S/MH (C0/180)	1.21
MODEL		EFFICIENCY (%)	100.0	S/MH (C90/270)	1.32
NOMINAL POWER(W)	25	TOTAL FLUX(lm)	3250.0	Voltage(V)	230.6
RATED VOLTAGE (V)	230	EFFICIENCY (lm/W)	131.0	Current(A)	0.110
NOMINAL FLUX(lm)	3250.0	η up (%)	8.2	Power(W)	24.79
LAMPS QUANTITY	1	η down (%)	91.8	Power Factor (PF)	0.978
TEST VOLTAGE (V)	230.6	Effective Flux(lm)	3250.0	EEL	0.104

LUMINOUS INTENSITY DISTRIBUTION



LUMINOUS INTENSITY DISTRIBUTION



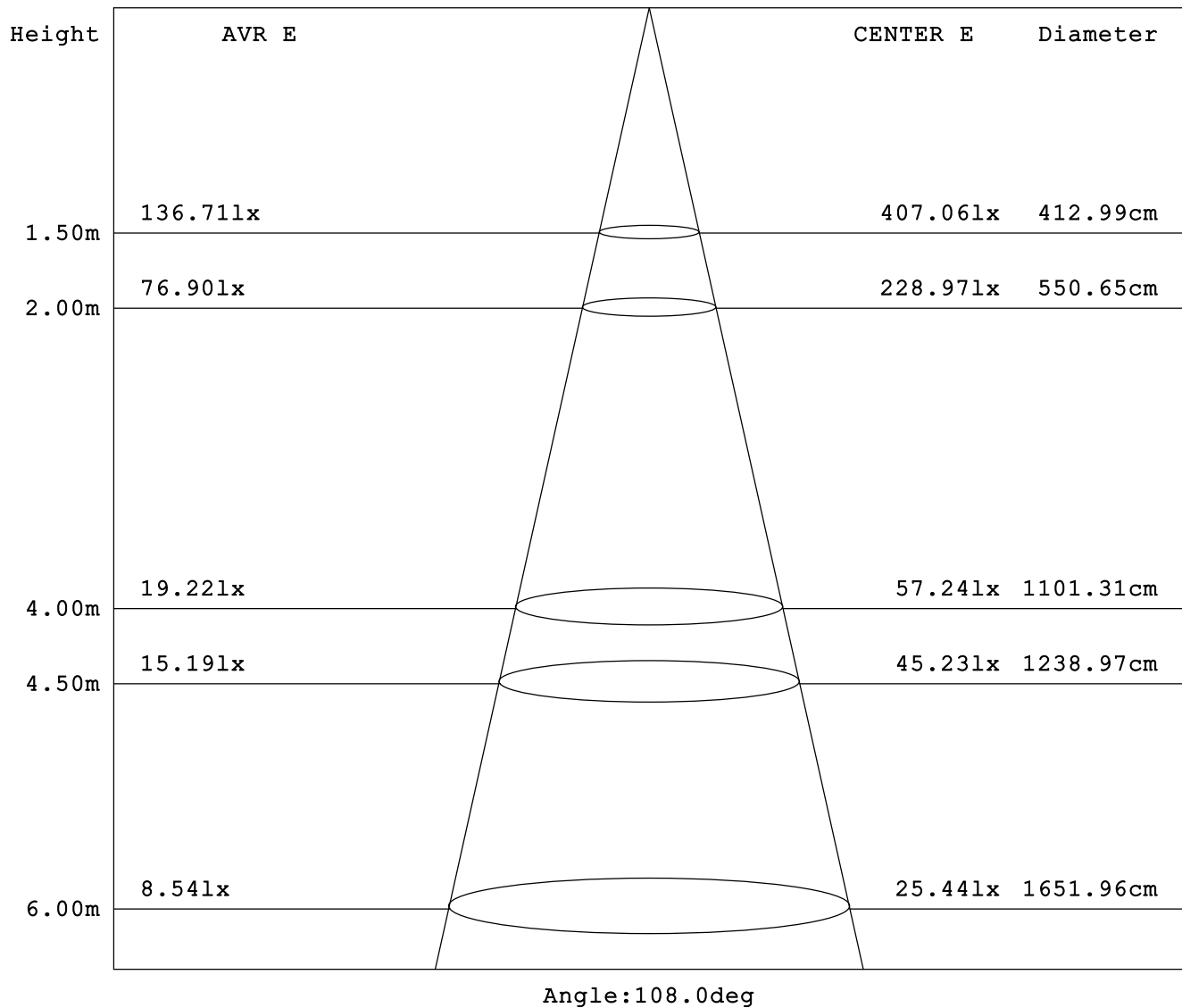
Test System:
Temperature:25.3DEG
Operators:
Test Date:2024.03.12

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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ZONAL FLUX DIAGRAM

Report number:

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NAME: Emma		TYPE: IL-TL26-N02540-120	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	908.5	906.6	905.9	900.6	912.9	907.4	903.4	900.5	0- 5	21.70	21.70
10.0	891.2	894.1	896.5	888.4	900.3	895.8	892.4	887.7	5- 10	64.35	86.06
15.0	865.4	873.9	881.3	868.0	878.3	877.0	874.9	867.7	10- 15	104.8	190.8
20.0	830.8	846.6	860.1	840.9	848.1	850.2	852.1	839.6	15- 20	141.7	332.5
25.0	787.9	812.4	833.4	806.2	808.8	816.8	823.8	804.7	20- 25	173.8	506.4
30.0	740.1	772.2	802.7	765.0	761.9	777.8	790.9	764.7	25- 30	200.4	706.8
35.0	685.0	727.9	766.8	719.5	710.1	733.1	754.0	718.6	30- 35	220.6	927.5
40.0	626.6	678.6	727.0	668.7	651.1	684.0	711.8	668.1	35- 40	234.1	1162
45.0	562.9	625.5	682.8	614.2	587.8	632.1	666.4	615.4	40- 45	240.7	1402
50.0	495.7	571.2	636.6	558.3	522.0	576.5	620.6	558.8	45- 50	240.5	1643
55.0	427.5	514.7	589.4	499.5	451.6	519.5	571.7	501.0	50- 55	234.0	1877
60.0	355.7	458.6	539.5	441.4	379.1	464.2	521.6	445.0	55- 60	221.8	2099
65.0	283.0	404.3	489.2	385.6	306.7	408.4	472.0	388.9	60- 65	204.8	2304
70.0	212.2	350.6	439.9	330.4	232.3	354.1	421.4	334.8	65- 70	183.8	2488
75.0	142.6	299.5	389.7	278.2	159.9	303.8	371.1	284.7	70- 75	160.1	2648
80.0	79.63	252.9	341.3	231.1	93.44	255.1	323.4	237.1	75- 80	135.0	2783
85.0	34.35	208.8	295.5	187.3	40.53	210.3	277.1	193.5	80- 85	110.4	2893
90.0	16.14	169.9	251.5	149.2	13.67	170.6	233.8	155.4	85- 90	88.80	2982
95.0	12.77	134.8	210.9	115.0	10.10	135.1	195.6	118.0	90- 95	71.66	3054
100.0	11.06	103.5	174.3	85.81	8.726	103.2	159.1	90.55	95-100	56.61	3110
105.0	9.619	76.88	140.8	61.35	7.626	73.58	124.7	60.80	100-105	43.11	3153
110.0	8.519	50.63	103.8	39.37	6.664	46.44	90.97	41.15	105-110	30.81	3184
115.0	7.626	34.28	79.08	23.97	5.977	31.67	66.99	26.45	110-115	20.86	3205
120.0	6.939	20.26	56.95	12.23	5.428	19.30	46.85	15.52	115-120	13.89	3219
125.0	6.527	9.756	38.13	6.870	5.153	10.37	30.16	9.481	120-125	8.502	3227
130.0	6.321	6.939	22.46	6.527	5.084	9.207	15.87	8.863	125-130	5.305	3233
135.0	6.321	6.802	11.47	6.527	5.290	8.794	7.901	8.588	130-135	3.528	3236
140.0	6.458	6.802	10.44	6.596	5.634	8.588	7.695	8.313	135-140	2.820	3239
145.0	6.596	6.664	9.962	6.664	5.977	8.382	7.489	7.970	140-145	2.507	3242
150.0	6.733	6.596	9.481	6.733	6.183	8.245	7.351	7.764	145-150	2.183	3244
155.0	6.870	6.664	9.000	6.802	6.458	8.038	7.214	7.764	150-155	1.865	3246
160.0	7.008	6.664	8.726	6.870	6.802	7.901	7.077	7.626	155-160	1.537	3247
165.0	7.145	6.664	8.451	6.939	7.077	7.764	7.008	7.557	160-165	1.206	3248
170.0	7.351	6.664	8.176	6.870	7.351	7.626	6.939	7.489	165-170	0.867	3249
175.0	7.489	6.733	7.970	6.802	7.351	7.557	6.733	7.420	170-175	0.522	3250
180.0	7.557	7.283	7.695	7.489	7.420	7.970	7.008	7.970	175-180	0.175	3250
DEG	LUMINOUS INTENSITY:cd									UNIT:lm	

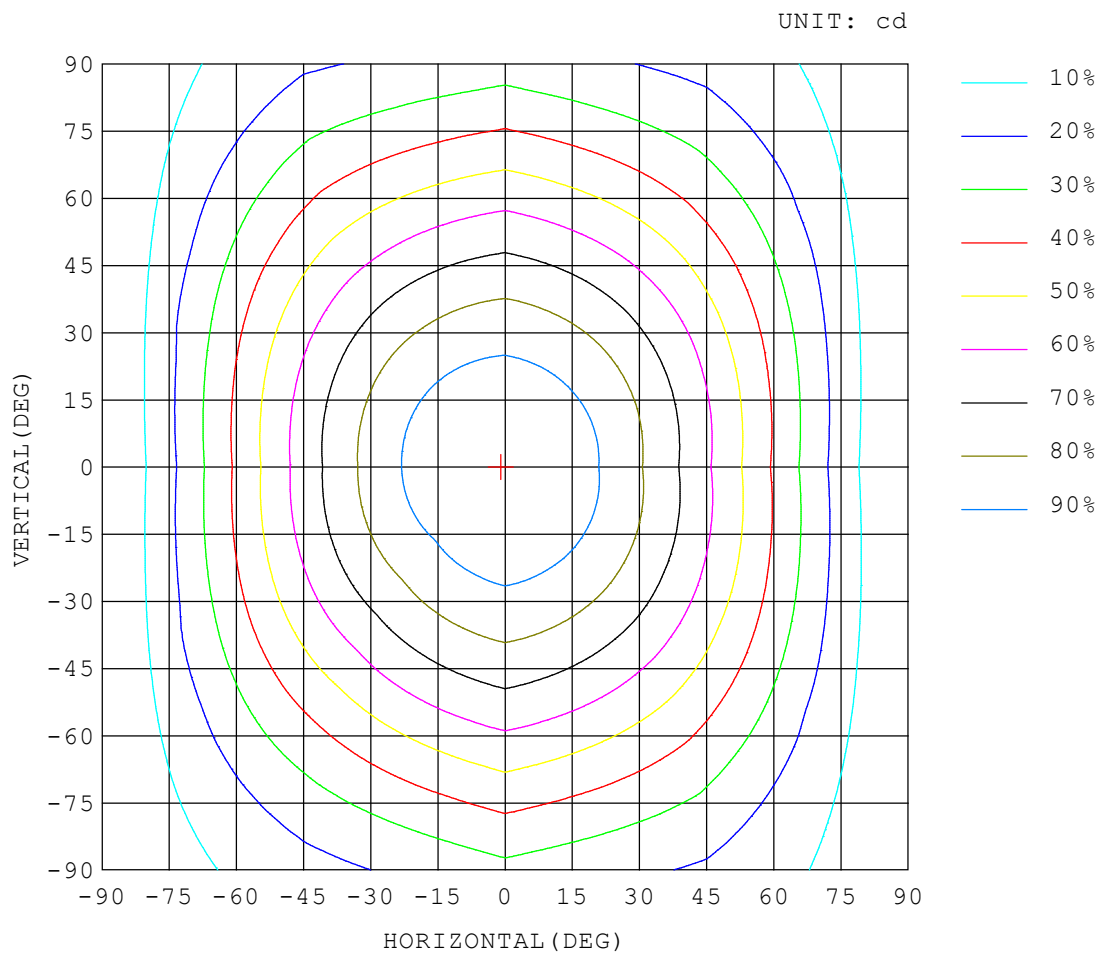
Test System:
Temperature:25.3DEG
Operators:
Test Date:2024.03.12

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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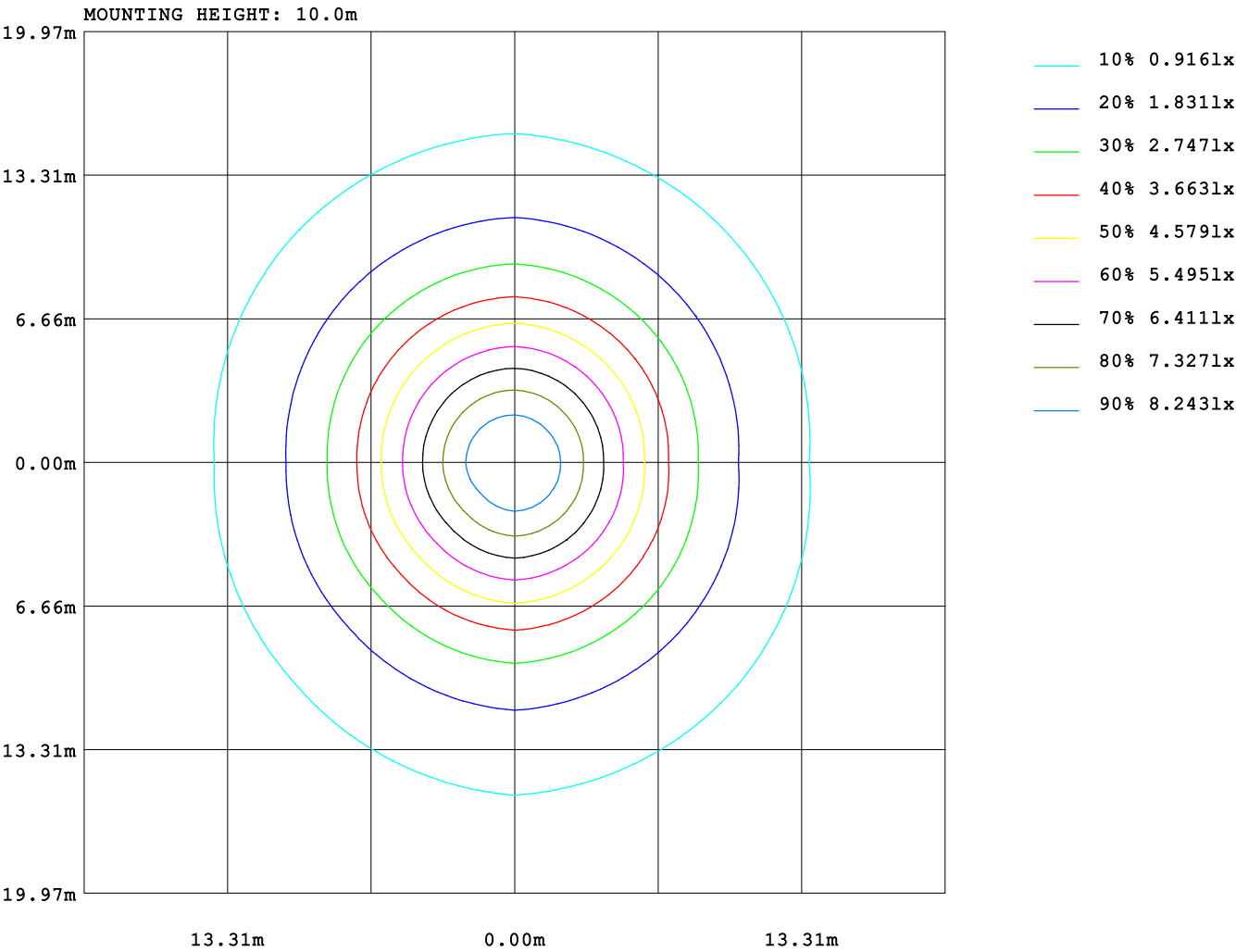
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ISOLUX DIAGRAM

Report number:

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NAME: Emma		TYPE: IL-TL26-N02540-120	WEIGHT:
SPECIFICATION: 2835 LED 120deg	CCT (K) : 4000	DIMENSION:	SERIAL No. :



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Temperature:25.3DEG
Operators:
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Test Distance:10.000 m
Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Report number:

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Address:			
NAME: Emma		TYPE: IL-TL26-N02540-120	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	916	911	908	905	916	911	908	905
5.0	909	907	906	901	913	907	903	901
10.0	891	894	897	888	900	896	892	888
15.0	865	874	881	868	878	877	875	868
20.0	831	847	860	841	848	850	852	840
25.0	788	812	833	806	809	817	824	805
30.0	740	772	803	765	762	778	791	765
35.0	685	728	767	720	710	733	754	719
40.0	627	679	727	669	651	684	712	668
45.0	563	626	683	614	588	632	666	615
50.0	496	571	637	558	522	577	621	559
55.0	428	515	589	500	452	520	572	501
60.0	356	459	540	441	379	464	522	445
65.0	283	404	489	386	307	408	472	389
70.0	212	351	440	330	232	354	421	335
75.0	143	300	390	278	160	304	371	285
80.0	79.6	253	341	231	93.4	255	323	237
85.0	34.3	209	296	187	40.5	210	277	194
90.0	16.1	170	252	149	13.6	171	234	155
95.0	12.7	135	211	115	10.1	135	196	118
100.0	11.0	104	174	85.8	8.72	103	159	90.5
105.0	9.61	76.8	141	61.3	7.62	73.5	125	60.8
110.0	8.51	50.6	104	39.3	6.66	46.4	90.9	41.1
115.0	7.62	34.2	79.0	23.9	5.97	31.6	66.9	26.4
120.0	6.93	20.2	56.9	12.2	5.42	19.3	46.8	15.5
125.0	6.52	9.75	38.1	6.87	5.15	10.3	30.1	9.48
130.0	6.32	6.93	22.4	6.52	5.08	9.20	15.8	8.86
135.0	6.32	6.80	11.4	6.52	5.29	8.79	7.90	8.58
140.0	6.45	6.80	10.4	6.59	5.63	8.58	7.69	8.31
145.0	6.59	6.66	9.96	6.66	5.97	8.38	7.48	7.97
150.0	6.73	6.59	9.48	6.73	6.18	8.24	7.35	7.76
155.0	6.87	6.66	9.00	6.80	6.45	8.03	7.21	7.76
160.0	7.00	6.66	8.72	6.87	6.80	7.90	7.07	7.62
165.0	7.14	6.66	8.45	6.93	7.07	7.76	7.00	7.55
170.0	7.35	6.66	8.17	6.87	7.35	7.62	6.93	7.48
175.0	7.48	6.73	7.97	6.80	7.35	7.55	6.73	7.42
180.0	7.55	7.28	7.69	7.48	7.42	7.97	7.00	7.97

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