

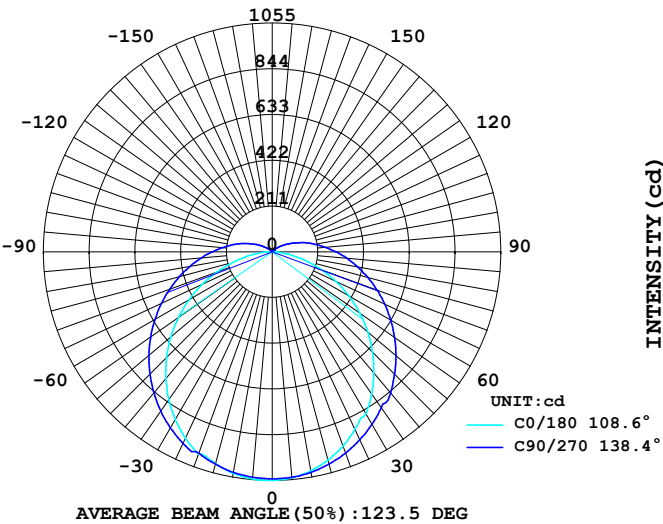
LUMINAIRE PHOTOMETRIC TEST REPORT

Report number:

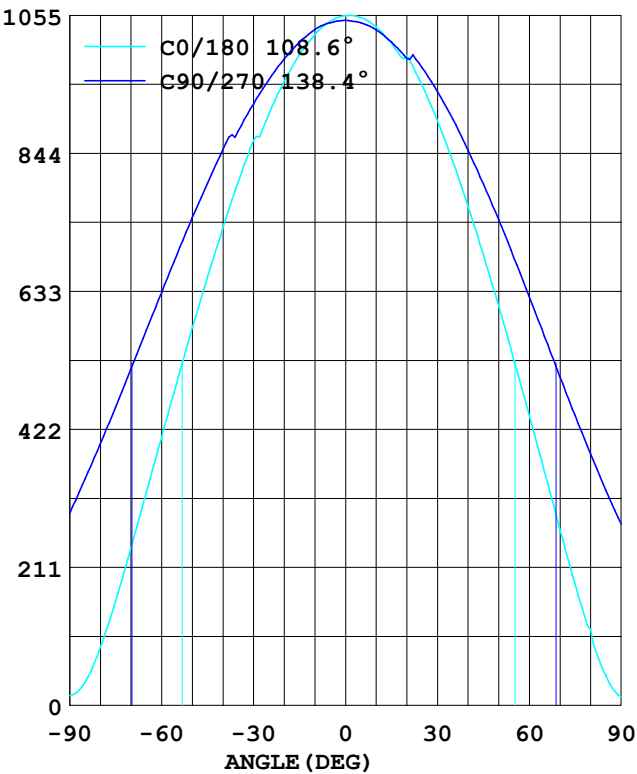
MANUFACTURER: ILUMEN GMBH			
Address:			
NAME: Emma		TYPE: IL-TL26-N02940-120	WEIGHT:
SPECIFICATION: 2835 LED 120deg	CCT (K) : 4000	DIMENSION:	SERIAL No.:

DATA OF LAMP		Imax (cd)	1055	S/MH (C0/180)	1.22
MODEL		EFFICIENCY (%)	100.0	S/MH (C90/270)	1.31
NOMINAL POWER (W)	29	TOTAL FLUX (lm)	3799.9	Voltage (V)	230.6
RATED VOLTAGE (V)	230	EFFICIENCY (lm/W)	131.7	Current (A)	0.128
NOMINAL FLUX (lm)	3800.0	η up (%)	8.2	Power (W)	28.86
LAMPS QUANTITY	1	η down (%)	91.8	Power Factor (PF)	0.979
TEST VOLTAGE (V)	230.6	Effective Flux (lm)	3800.0	EEL	0.103

LUMINOUS INTENSITY DISTRIBUTION



LUMINOUS INTENSITY DISTRIBUTION



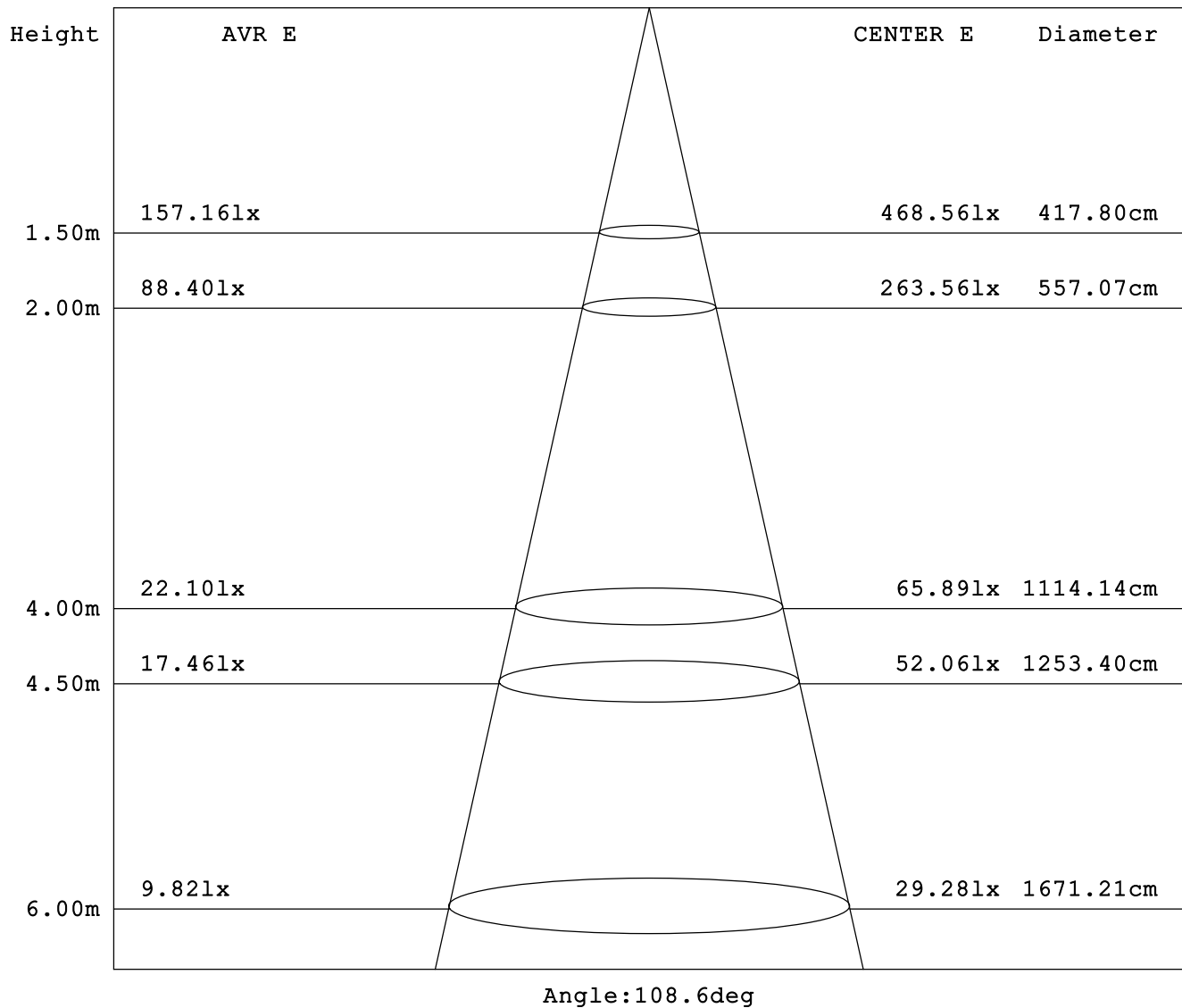
Test System:
Temperature:25.3DEG
Operators:
Test Date:2024.03.12

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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Operators:
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ZONAL FLUX DIAGRAM

Report number:

MANUFACTURER: ILUMEN GMBH			
Address:			
NAME: Emma		TYPE: IL-TL26-N02940-120	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	1046	1043	1044	1036	1051	1046	1043	1036	0- 5	24.99	24.99
10.0	1025	1028	1033	1022	1037	1034	1033	1023	5- 10	74.14	99.13
15.0	994.1	1004	1013	998.3	1012	1012	1014	999.3	10- 15	120.7	219.8
20.0	953.8	989.2	987.9	983.4	993.6	981.0	988.8	967.6	15- 20	163.5	383.4
25.0	903.3	949.7	956.3	944.0	947.6	942.7	974.6	928.0	20- 25	201.9	585.3
30.0	863.6	902.5	919.1	896.0	894.1	896.9	938.7	880.2	25- 30	232.9	818.2
35.0	800.3	849.2	877.9	841.8	831.8	863.4	896.5	845.6	30- 35	257.6	1076
40.0	729.6	792.7	849.4	783.8	762.8	807.3	848.4	788.3	35- 40	274.7	1351
45.0	654.3	730.8	797.7	720.5	689.6	744.9	797.4	725.4	40- 45	282.8	1633
50.0	576.7	665.8	745.4	653.8	610.4	679.1	742.3	659.0	45- 50	282.7	1916
55.0	494.2	600.7	689.0	586.7	527.2	613.2	684.1	592.3	50- 55	275.0	2191
60.0	409.4	535.2	630.8	518.8	443.7	545.7	625.0	525.0	55- 60	260.5	2452
65.0	325.9	470.6	573.4	452.3	356.5	480.6	563.4	460.2	60- 65	240.4	2692
70.0	240.6	409.7	514.3	389.9	269.0	415.7	502.1	396.1	65- 70	215.7	2908
75.0	159.2	350.5	455.6	329.4	185.2	354.1	443.0	335.3	70- 75	187.6	3096
80.0	88.82	295.1	400.1	273.2	115.7	298.1	384.2	280.3	75- 80	158.3	3254
85.0	35.08	245.3	345.6	223.3	45.44	245.3	328.3	229.1	80- 85	129.5	3383
90.0	14.80	199.9	293.8	178.5	12.94	197.5	277.3	183.2	85- 90	104.0	3487
95.0	12.11	159.1	247.1	138.8	9.674	156.2	230.4	143.8	90- 95	83.81	3571
100.0	10.50	123.5	203.2	105.6	8.452	119.4	188.0	108.7	95-100	66.56	3638
105.0	9.283	85.26	163.3	73.14	7.475	79.49	149.0	70.45	100-105	50.50	3688
110.0	8.306	60.68	123.1	46.85	6.693	53.50	109.4	48.37	105-110	35.61	3724
115.0	7.573	40.45	93.56	29.41	6.107	35.42	80.32	31.56	110-115	24.64	3749
120.0	6.987	23.30	67.08	14.90	5.667	20.42	56.09	17.44	115-120	16.12	3765
125.0	6.596	11.23	45.04	7.964	5.472	11.04	35.42	10.60	120-125	9.774	3774
130.0	6.498	8.159	26.04	7.671	5.570	10.21	18.86	9.918	125-130	6.076	3781
135.0	6.645	7.866	12.85	7.573	5.960	9.772	10.11	9.430	130-135	4.016	3785
140.0	6.840	7.622	11.57	7.622	6.351	9.527	9.674	9.039	135-140	3.195	3788
145.0	7.084	7.622	10.94	7.671	6.693	9.234	9.283	8.843	140-145	2.828	3791
150.0	7.329	7.671	10.45	7.671	7.133	8.990	8.990	8.697	145-150	2.472	3793
155.0	7.622	7.573	9.967	7.719	7.524	8.794	8.648	8.501	150-155	2.108	3795
160.0	7.866	7.622	9.527	7.768	7.866	8.599	8.355	8.403	155-160	1.734	3797
165.0	8.110	7.622	9.136	7.719	8.159	8.452	8.110	8.257	160-165	1.355	3798
170.0	8.403	7.622	8.892	7.768	8.403	8.403	7.964	8.208	165-170	0.974	3799
175.0	8.648	7.671	8.648	7.768	8.599	8.306	7.671	8.208	170-175	0.587	3800
180.0	8.794	8.501	8.306	8.746	8.794	8.990	7.719	9.088	175-180	0.199	3800
DEG	LUMINOUS INTENSITY:cd									UNIT:lm	

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

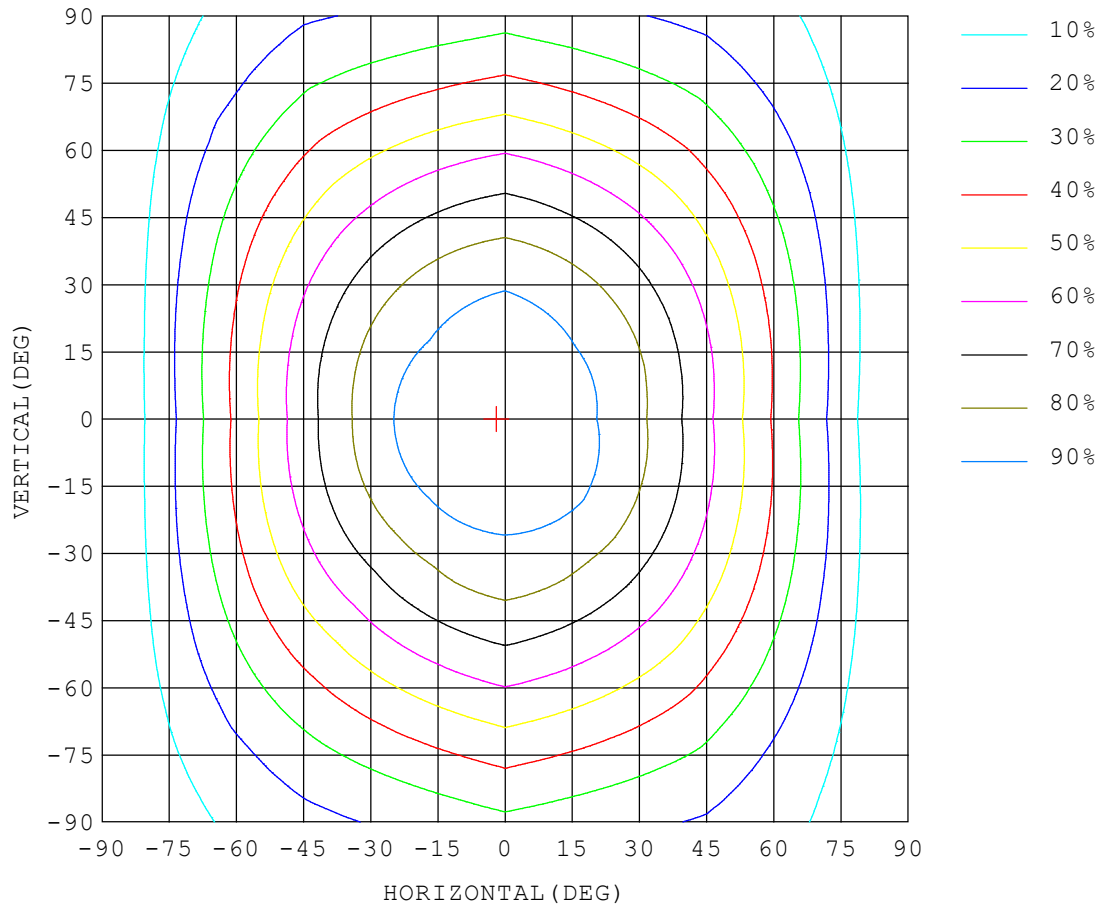
Test Set: 5.0deg/s C-Gamma (TYPE C)
Humidity:65.0%
Test Distance:10.000 m
Remarks:

ISOCANDELA DIAGRAM

Report number:

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Address:			
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SPECIFICATION: 2835 LED 120deg	CCT (K) : 4000	DIMENSION:	SERIAL No. :

UNIT: cd



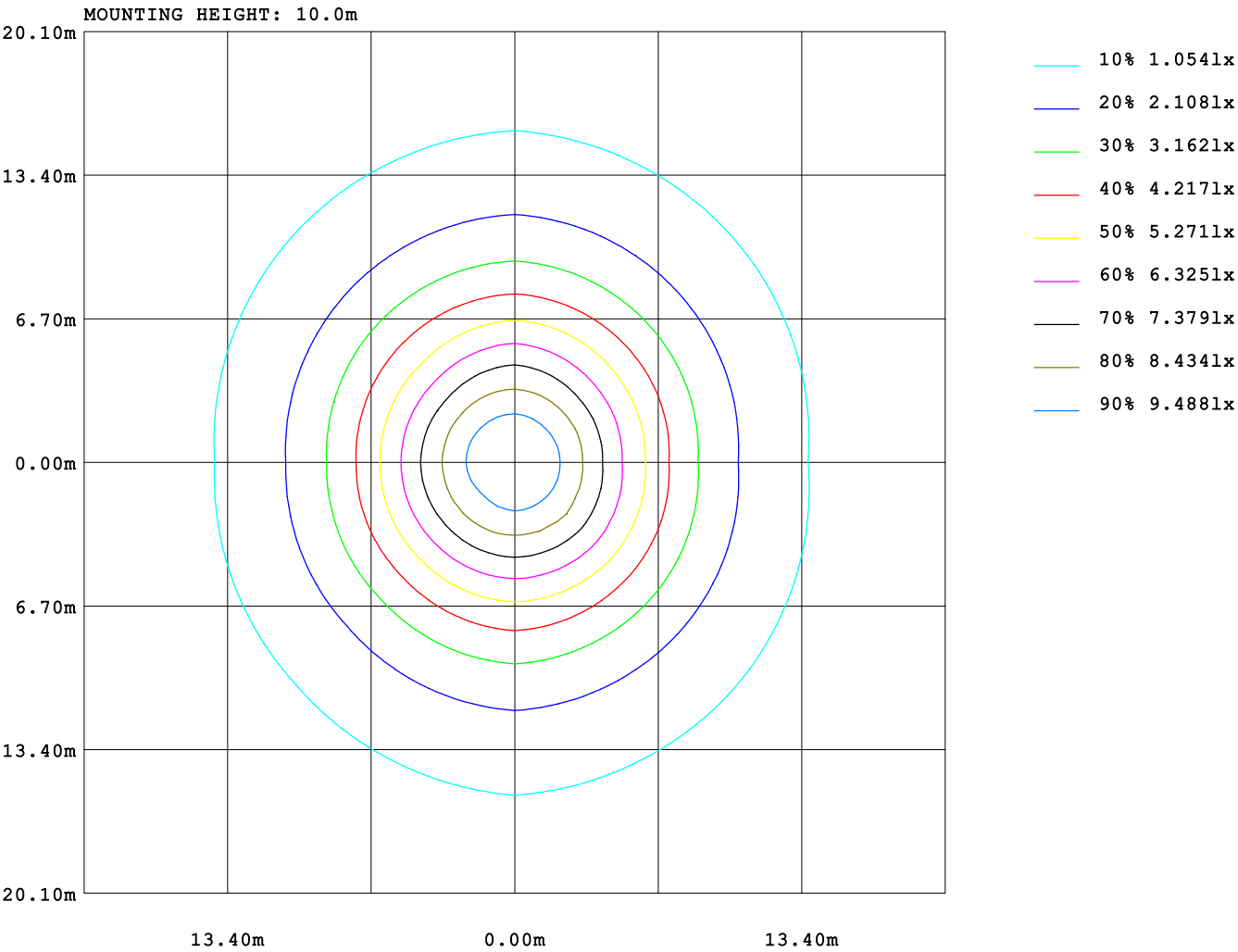
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ISOLUX DIAGRAM

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NAME: Emma		TYPE: IL-TL26-N02940-120	WEIGHT:
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Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

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MANUFACTURER: ILUMEN GMBH			
Address:			
NAME: Emma		TYPE: IL-TL26-N02940-120	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	1054	1049	1047	1041	1054	1049	1047	1041
5.0	1046	1043	1044	1036	1051	1046	1043	1036
10.0	1025	1028	1033	1022	1037	1034	1033	1023
15.0	994	1004	1013	998	1012	1012	1014	999
20.0	954	989	988	983	994	981	989	968
25.0	903	950	956	944	948	943	975	928
30.0	864	903	919	896	894	897	939	880
35.0	800	849	878	842	832	863	897	846
40.0	730	793	849	784	763	807	848	788
45.0	654	731	798	721	690	745	797	725
50.0	577	666	745	654	610	679	742	659
55.0	494	601	689	587	527	613	684	592
60.0	409	535	631	519	444	546	625	525
65.0	326	471	573	452	357	481	563	460
70.0	241	410	514	390	269	416	502	396
75.0	159	351	456	329	185	354	443	335
80.0	88.8	295	400	273	116	298	384	280
85.0	35.0	245	346	223	45.4	245	328	229
90.0	14.8	200	294	179	12.9	198	277	183
95.0	12.1	159	247	139	9.67	156	230	144
100.0	10.5	124	203	106	8.45	119	188	109
105.0	9.28	85.2	163	73.1	7.47	79.4	149	70.4
110.0	8.30	60.6	123	46.8	6.69	53.5	109	48.3
115.0	7.57	40.4	93.5	29.4	6.10	35.4	80.3	31.5
120.0	6.98	23.3	67.0	14.9	5.66	20.4	56.0	17.4
125.0	6.59	11.2	45.0	7.96	5.47	11.0	35.4	10.6
130.0	6.49	8.15	26.0	7.67	5.57	10.2	18.8	9.91
135.0	6.64	7.86	12.8	7.57	5.96	9.77	10.1	9.43
140.0	6.84	7.62	11.5	7.62	6.35	9.52	9.67	9.03
145.0	7.08	7.62	10.9	7.67	6.69	9.23	9.28	8.84
150.0	7.32	7.67	10.4	7.67	7.13	8.99	8.99	8.69
155.0	7.62	7.57	9.96	7.71	7.52	8.79	8.64	8.50
160.0	7.86	7.62	9.52	7.76	7.86	8.59	8.35	8.40
165.0	8.11	7.62	9.13	7.71	8.15	8.45	8.11	8.25
170.0	8.40	7.62	8.89	7.76	8.40	8.40	7.96	8.20
175.0	8.64	7.67	8.64	7.76	8.59	8.30	7.67	8.20
180.0	8.79	8.50	8.30	8.74	8.79	8.99	7.71	9.08

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