

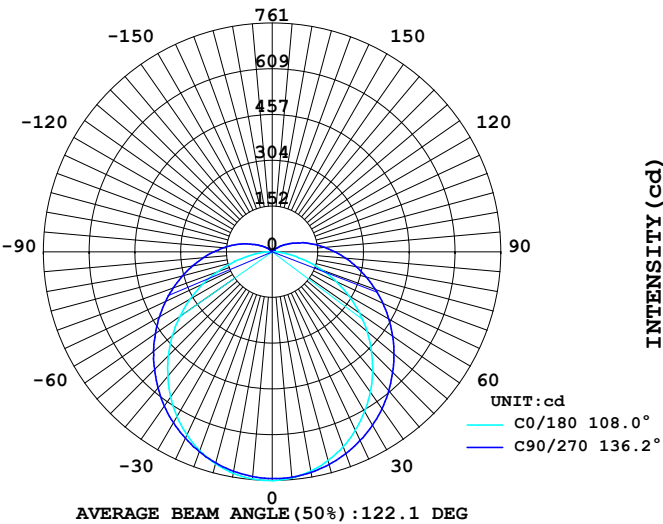
LUMINAIRE PHOTOMETRIC TEST REPORT

Report number:

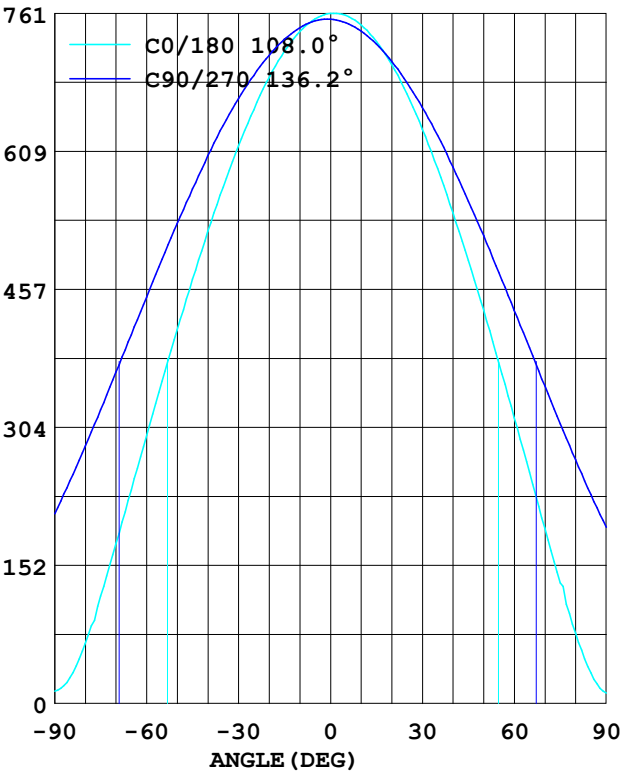
MANUFACTURER: ILUMEN GMBH			
Address:			
NAME: Emma		TYPE: IL-TL26-N02040-120	WEIGHT:
SPECIFICATION: 2835 LED 120deg	CCT (K) : 4000	DIMENSION:	SERIAL No.:

DATA OF LAMP		Imax (cd)	760.8	S/MH (C0/180)	1.21
MODEL		EFFICIENCY (%)	100.0	S/MH (C90/270)	1.32
NOMINAL POWER(W)	20	TOTAL FLUX(lm)	2700.0	Voltage(V)	230.6
RATED VOLTAGE (V)	230	EFFICIENCY (lm/W)	133.0	Current(A)	0.090
NOMINAL FLUX(lm)	2700.0	η up (%)	8.2	Power(W)	20.29
LAMPS QUANTITY	1	η down (%)	91.8	Power Factor (PF)	0.978
TEST VOLTAGE (V)	230.6	Effective Flux(lm)	2700.0	EEl	0.102

LUMINOUS INTENSITY DISTRIBUTION



LUMINOUS INTENSITY DISTRIBUTION



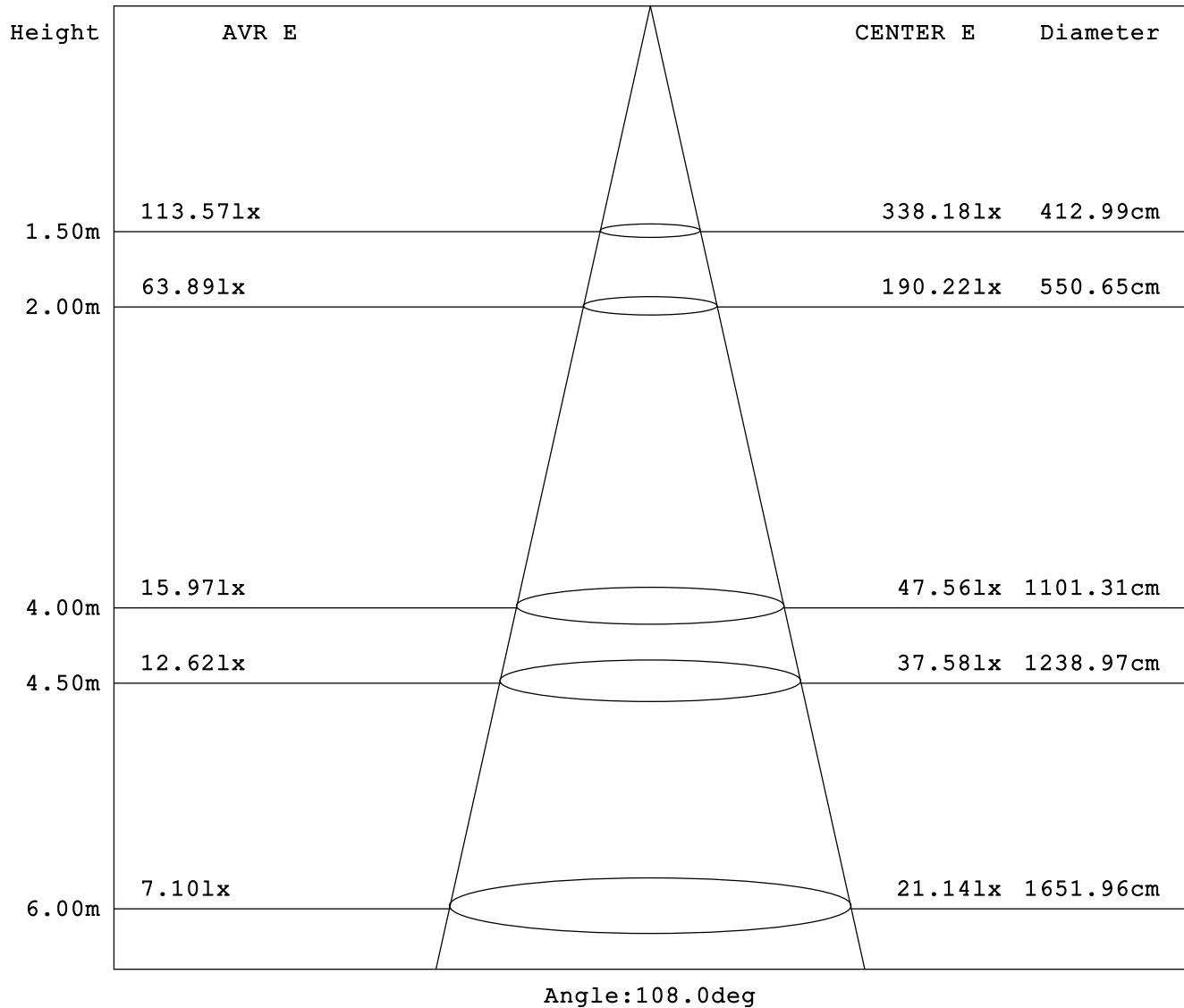
Test System:
Temperature:25.3DEG
Operators:
Test Date:2024.03.12

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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ZONAL FLUX DIAGRAM

Report number:

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Address:			
NAME: Emma		TYPE: IL-TL26-N02040-120	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	754.7	753.2	752.6	748.2	758.4	753.8	750.5	748.1	0- 5	18.03	18.03
10.0	740.4	742.7	744.8	738.0	747.9	744.2	741.4	737.5	5- 10	53.46	71.49
15.0	718.9	726.0	732.2	721.1	729.7	728.5	726.8	720.8	10- 15	87.06	158.5
20.0	690.2	703.3	714.6	698.6	704.6	706.3	707.9	697.5	15- 20	117.7	276.2
25.0	654.6	674.9	692.3	669.7	671.9	678.5	684.4	668.5	20- 25	144.4	420.7
30.0	614.8	641.5	666.9	635.5	632.9	646.2	657.1	635.3	25- 30	166.5	587.2
35.0	569.1	604.7	637.0	597.7	589.9	609.1	626.4	597.0	30- 35	183.3	770.5
40.0	520.6	563.7	603.9	555.5	540.9	568.3	591.3	555.0	35- 40	194.5	965.1
45.0	467.6	519.6	567.2	510.3	488.3	525.2	553.6	511.3	40- 45	199.9	1165
50.0	411.8	474.5	528.9	463.8	433.7	478.9	515.6	464.2	45- 50	199.8	1365
55.0	355.1	427.6	489.7	414.9	375.2	431.6	475.0	416.2	50- 55	194.4	1559
60.0	295.5	381.0	448.2	366.7	314.9	385.6	433.3	369.7	55- 60	184.2	1744
65.0	235.1	335.9	406.4	320.3	254.8	339.2	392.1	323.1	60- 65	170.1	1914
70.0	176.3	291.2	365.4	274.5	193.0	294.2	350.1	278.2	65- 70	152.7	2067
75.0	118.5	248.8	323.8	231.1	132.8	252.4	308.3	236.6	70- 75	133.0	2200
80.0	66.15	210.1	283.5	192.0	77.63	211.9	268.6	196.9	75- 80	112.1	2312
85.0	28.54	173.5	245.5	155.6	33.67	174.7	230.2	160.7	80- 85	91.73	2404
90.0	13.41	141.2	208.9	123.9	11.35	141.7	194.3	129.1	85- 90	73.77	2477
95.0	10.61	112.0	175.2	95.61	8.390	112.2	162.5	98.06	90- 95	59.53	2537
100.0	9.190	86.02	144.8	71.29	7.249	85.73	132.2	75.23	95-100	47.03	2584
105.0	7.991	63.87	117.0	50.97	6.336	61.13	103.6	50.51	100-105	35.81	2620
110.0	7.078	42.06	86.24	32.70	5.536	38.58	75.57	34.19	105-110	25.60	2645
115.0	6.336	28.48	65.70	19.92	4.966	26.31	55.65	21.97	110-115	17.33	2663
120.0	5.765	16.83	47.32	10.16	4.509	16.03	38.92	12.90	115-120	11.54	2674
125.0	5.422	8.105	31.68	5.708	4.281	8.619	25.05	7.877	120-125	7.063	2681
130.0	5.251	5.765	18.66	5.422	4.224	7.648	13.18	7.363	125-130	4.407	2686
135.0	5.251	5.651	9.532	5.422	4.395	7.306	6.564	7.135	130-135	2.931	2689
140.0	5.365	5.651	8.676	5.479	4.680	7.135	6.393	6.906	135-140	2.343	2691
145.0	5.479	5.536	8.276	5.536	4.966	6.963	6.221	6.621	140-145	2.083	2693
150.0	5.593	5.479	7.877	5.593	5.137	6.849	6.107	6.450	145-150	1.814	2695
155.0	5.708	5.536	7.477	5.651	5.365	6.678	5.993	6.450	150-155	1.549	2696
160.0	5.822	5.536	7.249	5.708	5.651	6.564	5.879	6.336	155-160	1.277	2698
165.0	5.936	5.536	7.021	5.765	5.879	6.450	5.822	6.278	160-165	1.002	2699
170.0	6.107	5.536	6.792	5.708	6.107	6.336	5.765	6.221	165-170	0.721	2699
175.0	6.221	5.593	6.621	5.651	6.107	6.278	5.593	6.164	170-175	0.433	2700
180.0	6.278	6.050	6.393	6.221	6.164	6.621	5.822	6.621	175-180	0.146	2700
DEG	LUMINOUS INTENSITY:cd									UNIT:lm	

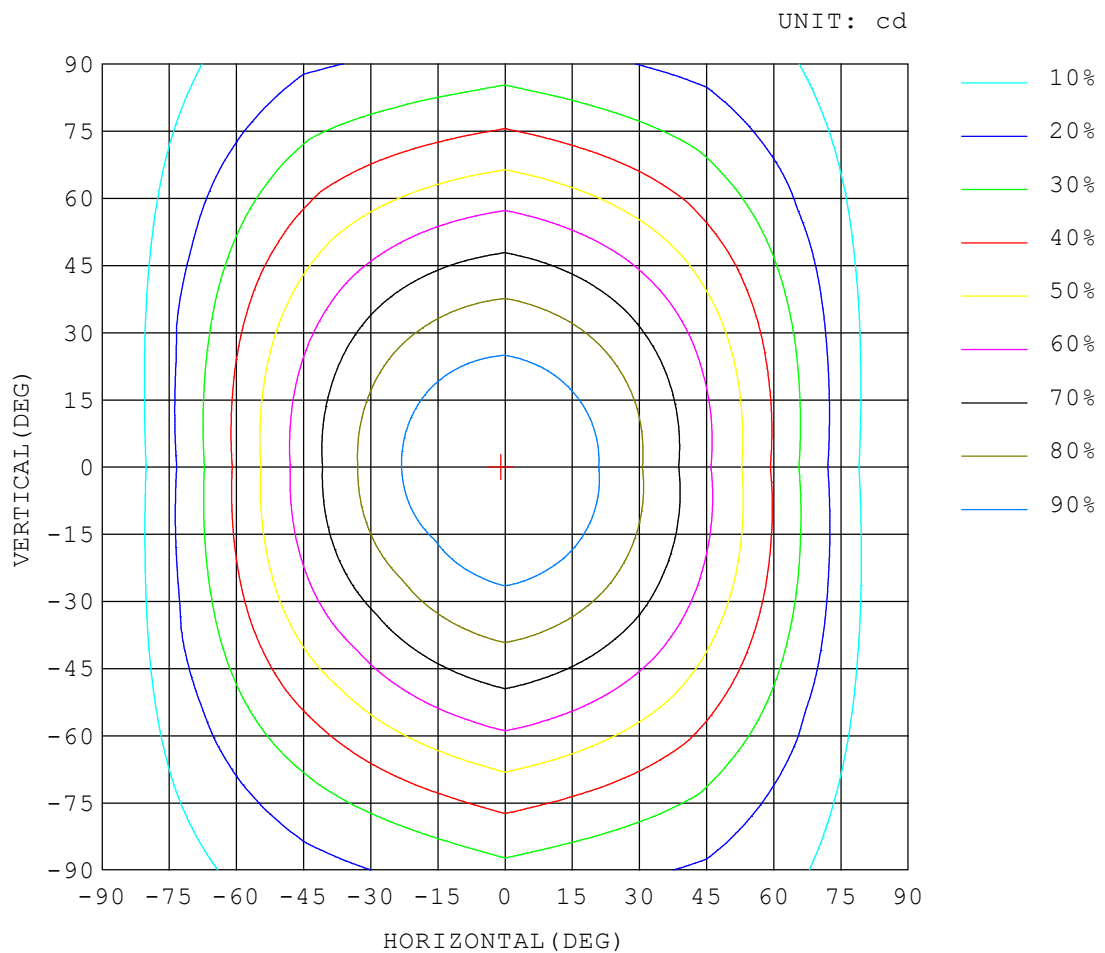
Test System:
Temperature:25.3DEG
Operators:
Test Date:2024.03.12

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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NAME: Emma		TYPE: IL-TL26-N02040-120	WEIGHT:
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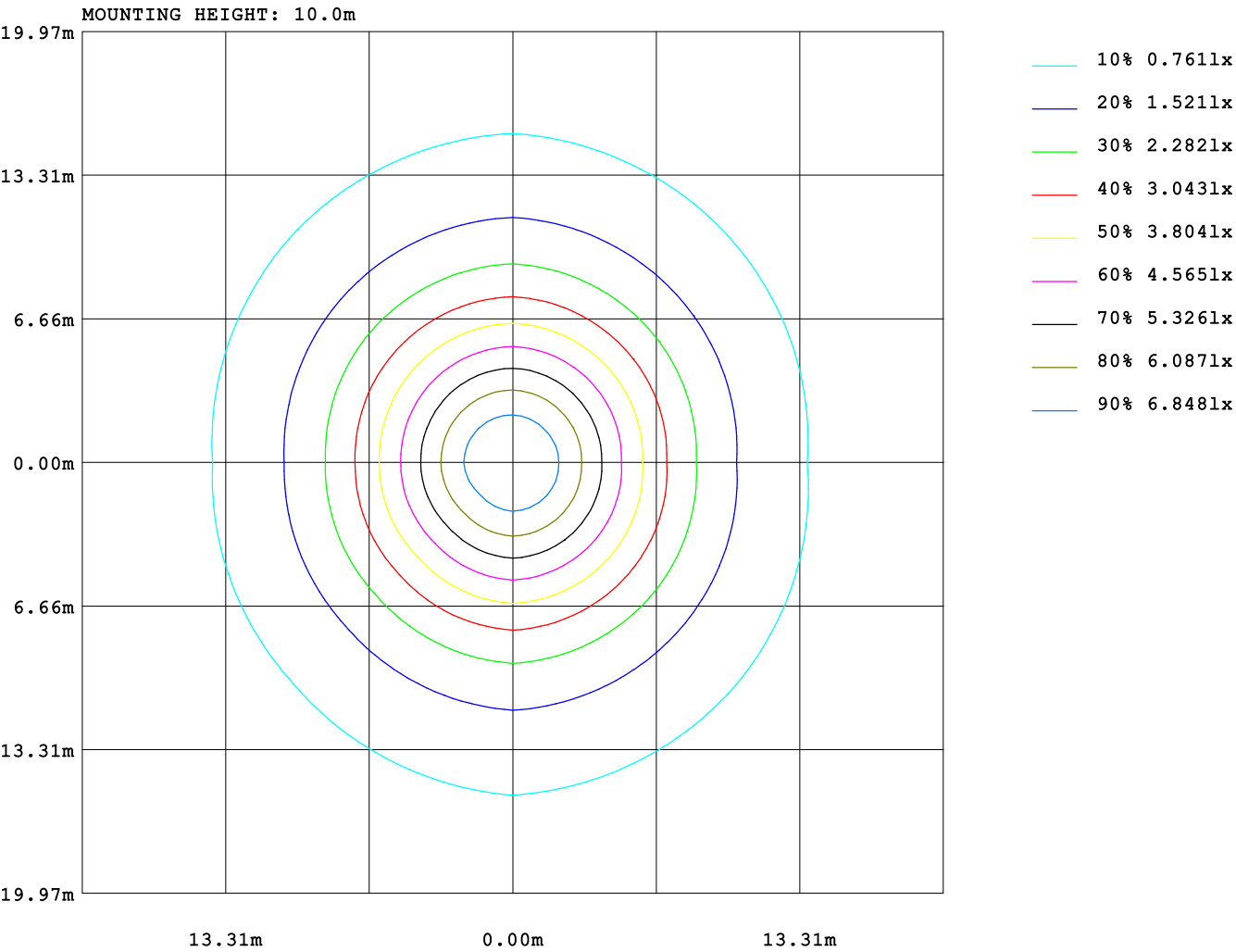
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ISOLUX DIAGRAM

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NAME: Emma		TYPE: IL-TL26-N02040-120	WEIGHT:
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Temperature:25.3DEG
Operators:
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Test Distance:10.000 m
Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Report number:

MANUFACTURER: ILUMEN GMBH			
Address:			
NAME: Emma		TYPE: IL-TL26-N02040-120	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	761	757	754	752	761	757	754	752
5.0	755	753	753	748	758	754	751	748
10.0	740	743	745	738	748	744	741	738
15.0	719	726	732	721	730	729	727	721
20.0	690	703	715	699	705	706	708	698
25.0	655	675	692	670	672	679	684	669
30.0	615	642	667	636	633	646	657	635
35.0	569	605	637	598	590	609	626	597
40.0	521	564	604	556	541	568	591	555
45.0	468	520	567	510	488	525	554	511
50.0	412	475	529	464	434	479	516	464
55.0	355	428	490	415	375	432	475	416
60.0	296	381	448	367	315	386	433	370
65.0	235	336	406	320	255	339	392	323
70.0	176	291	365	275	193	294	350	278
75.0	119	249	324	231	133	252	308	237
80.0	66.1	210	284	192	77.6	212	269	197
85.0	28.5	174	246	156	33.6	175	230	161
90.0	13.4	141	209	124	11.3	142	194	129
95.0	10.6	112	175	95.6	8.39	112	163	98.0
100.0	9.19	86.0	145	71.2	7.24	85.7	132	75.2
105.0	7.99	63.8	117	50.9	6.33	61.1	104	50.5
110.0	7.07	42.0	86.2	32.7	5.53	38.5	75.5	34.1
115.0	6.33	28.4	65.7	19.9	4.96	26.3	55.6	21.9
120.0	5.76	16.8	47.3	10.1	4.50	16.0	38.9	12.9
125.0	5.42	8.10	31.6	5.70	4.28	8.61	25.0	7.87
130.0	5.25	5.76	18.6	5.42	4.22	7.64	13.1	7.36
135.0	5.25	5.65	9.53	5.42	4.39	7.30	6.56	7.13
140.0	5.36	5.65	8.67	5.47	4.68	7.13	6.39	6.90
145.0	5.47	5.53	8.27	5.53	4.96	6.96	6.22	6.62
150.0	5.59	5.47	7.87	5.59	5.13	6.84	6.10	6.45
155.0	5.70	5.53	7.47	5.65	5.36	6.67	5.99	6.45
160.0	5.82	5.53	7.24	5.70	5.65	6.56	5.87	6.33
165.0	5.93	5.53	7.02	5.76	5.87	6.45	5.82	6.27
170.0	6.10	5.53	6.79	5.70	6.10	6.33	5.76	6.22
175.0	6.22	5.59	6.62	5.65	6.10	6.27	5.59	6.16
180.0	6.27	6.05	6.39	6.22	6.16	6.62	5.82	6.62

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