

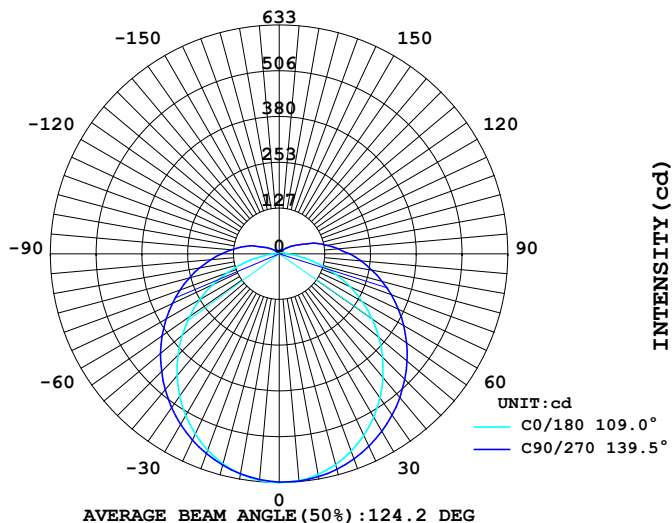
LUMINAIRE PHOTOMETRIC TEST REPORT

Report number:

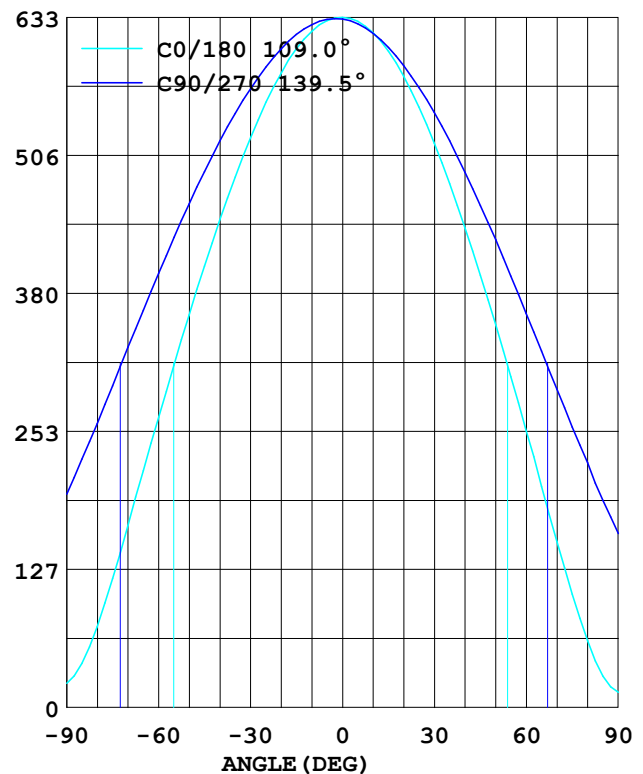
MANUFACTURER: ILUMEN GMBH			
Address:			
NAME: Emma		TYPE: IL-TL26-N01840-120	WEIGHT:
SPECIFICATION: 2835LED 120deg	CCT (K) : 4000	DIMENSION:	SERIAL No. :

DATA OF LAMP		Imax (cd)	632.6	S/MH (C0/180)	1.23
MODEL		EFFICIENCY (%)	100.0	S/MH (C90/270)	1.34
NOMINAL POWER(W)	18	TOTAL FLUX(lm)	2322.4	Voltage(V)	230.5
RATED VOLTAGE (V)	230	EFFICIENCY (lm/W)	131.7	Current(A)	0.078
NOMINAL FLUX(lm)	2322.5	η up (%)	9.3	Power(W)	17.63
LAMPS QUANTITY	1	η down (%)	90.7	Power Factor (PF)	0.978
TEST VOLTAGE (V)	230.5	Effective Flux(lm)	2322.5	EEL	0.103

LUMINOUS INTENSITY DISTRIBUTION



LUMINOUS INTENSITY DISTRIBUTION



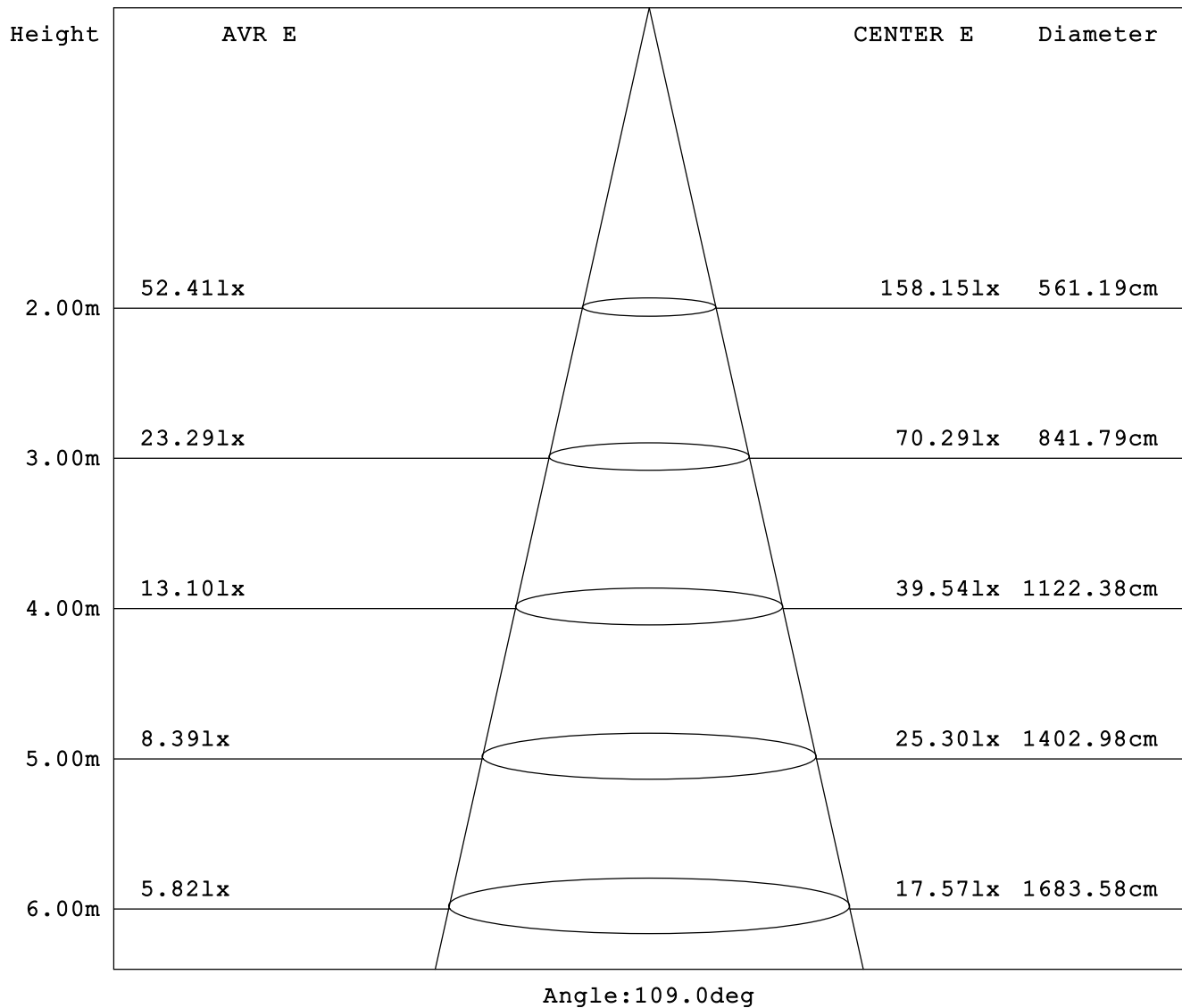
Test System:
 Temperature:25.3DEG
 Operators:
 Test Date:2023.09.18

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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ZONAL FLUX DIAGRAM

Report number:

MANUFACTURER: ILUMEN GMBH			
Address:			
NAME: Emma		TYPE: IL-TL26-N01840-120	WEIGHT:
SPECIFICATION: 2835LED 120deg	CCT (K) : 4000	DIMENSION:	SERIAL No. :

γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Zone	total
5.0	629.5	630.1	630.7	628.2	629.0	628.5	626.7	626.2	0- 5	15.06	15.06
10.0	619.6	622.5	625.7	620.5	618.2	619.0	617.7	616.5	5- 10	44.66	59.73
15.0	603.7	609.7	616.8	607.2	601.2	604.8	604.7	601.5	10- 15	72.74	132.4
20.0	581.5	592.5	603.5	589.2	578.7	585.5	588.3	581.5	15- 20	98.38	230.8
25.0	554.5	570.2	587.0	566.0	550.2	561.7	568.2	556.5	20- 25	120.8	351.6
30.0	522.2	543.9	567.0	538.3	517.0	534.6	545.2	528.5	25- 30	139.3	491.0
35.0	486.0	514.9	544.5	508.0	480.2	503.5	519.6	496.1	30- 35	153.6	644.7
40.0	447.1	482.4	519.2	473.7	439.3	469.6	490.5	461.2	35- 40	163.3	808.1
45.0	404.5	447.5	491.0	437.2	395.9	434.1	460.0	424.8	40- 45	168.4	976.5
50.0	359.6	411.6	461.3	399.7	350.8	396.1	428.8	385.8	45- 50	168.9	1146
55.0	314.1	373.7	430.8	360.2	303.0	358.0	395.5	346.5	50- 55	165.0	1311
60.0	266.0	335.8	397.9	320.3	253.8	320.7	360.8	308.2	55- 60	157.3	1468
65.0	217.1	299.1	364.0	282.2	202.5	282.8	326.6	269.7	60- 65	146.0	1614
70.0	166.7	262.2	330.2	244.1	152.0	246.1	291.7	232.5	65- 70	131.9	1746
75.0	118.0	226.6	294.7	214.8	103.5	212.1	256.8	198.3	70- 75	115.8	1862
80.0	74.00	191.0	260.0	171.6	61.29	176.9	224.3	163.1	75- 80	98.44	1960
85.0	40.29	159.3	227.5	140.3	28.60	146.3	189.8	133.3	80- 85	80.88	2041
90.0	22.20	130.8	195.5	112.6	14.00	119.5	159.5	107.5	85- 90	65.73	2107
95.0	17.10	106.2	163.5	89.30	11.59	95.30	132.8	84.59	90- 95	53.27	2160
100.0	15.09	83.90	136.6	68.80	10.50	74.29	108.0	65.00	95-100	42.81	2203
105.0	13.40	64.50	111.8	49.59	9.600	49.20	86.00	41.70	100-105	33.14	2236
110.0	12.10	39.59	81.00	31.29	8.900	37.00	57.50	31.20	105-110	23.71	2260
115.0	11.10	30.30	60.00	22.60	8.299	26.00	43.79	21.60	110-115	16.47	2276
120.0	9.300	20.50	45.89	14.50	6.700	17.29	31.29	14.50	115-120	11.67	2288
125.0	8.900	12.50	33.79	9.099	7.000	11.70	20.80	11.30	120-125	7.883	2296
130.0	8.800	8.400	23.40	8.100	7.400	10.80	12.30	10.50	125-130	5.517	2301
135.0	8.800	8.299	14.80	8.000	7.800	10.40	9.000	10.30	130-135	4.174	2306
140.0	8.800	8.400	11.80	8.100	7.900	10.20	9.000	10.20	135-140	3.488	2309
145.0	8.800	8.500	11.30	8.200	8.100	10.10	8.900	10.20	140-145	3.102	2312
150.0	8.800	8.500	10.90	8.299	8.299	10.00	8.800	10.00	145-150	2.721	2315
155.0	8.800	8.500	10.59	8.400	8.500	9.800	8.700	9.800	150-155	2.321	2317
160.0	8.800	8.400	10.30	8.400	8.600	9.700	8.600	9.500	155-160	1.906	2319
165.0	9.000	8.200	10.10	8.400	8.700	9.600	8.600	9.200	160-165	1.484	2321
170.0	9.000	8.100	9.800	8.400	8.800	9.400	8.500	9.099	165-170	1.058	2322
175.0	9.099	8.100	9.500	8.400	9.000	9.200	8.400	9.099	170-175	0.634	2322
180.0	9.200	8.600	9.300	8.700	9.400	9.200	8.400	9.200	175-180	0.212	2322
DEG	LUMINOUS INTENSITY:cd									UNIT:lm	

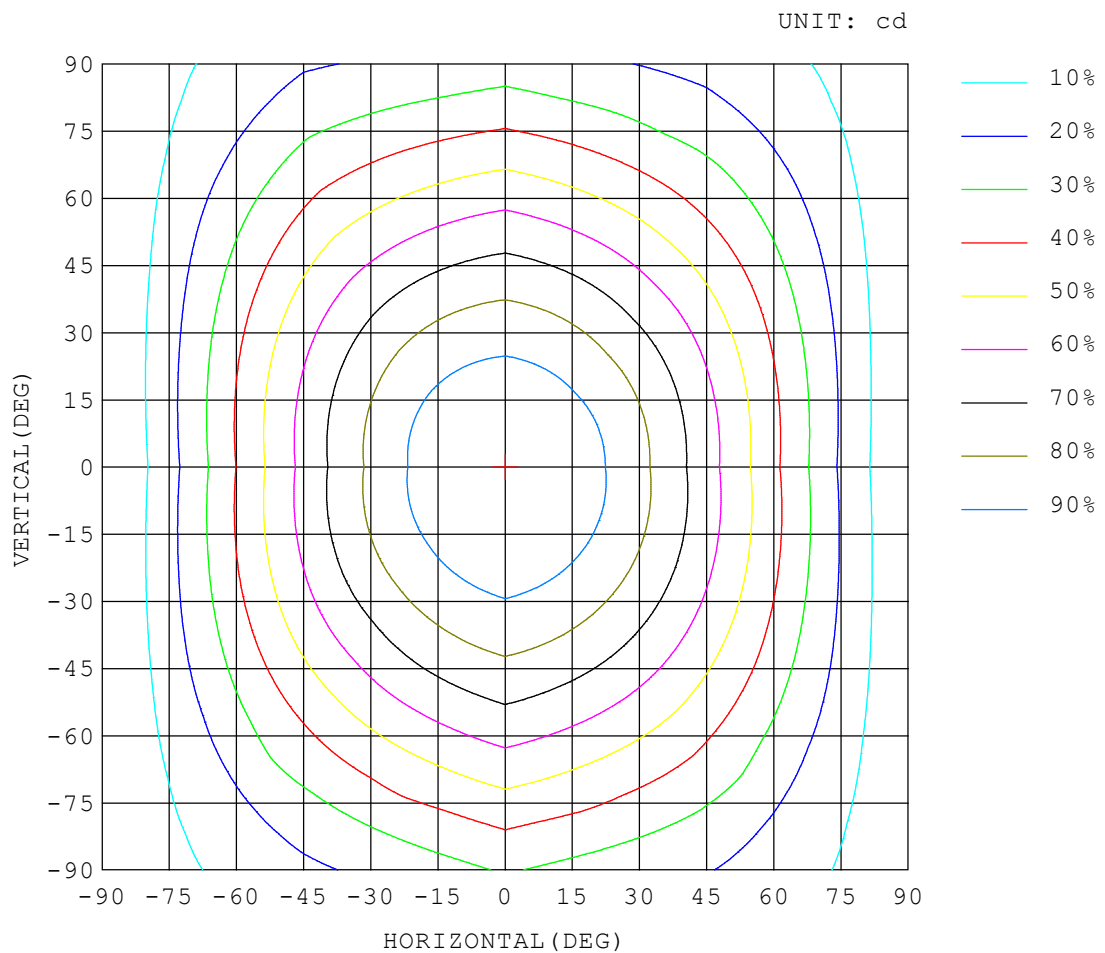
Test System:
Temperature:25.3DEG
Operators:
Test Date:2023.09.18

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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Address:			
NAME: Emma		TYPE: IL-TL26-N01840-120	WEIGHT:
SPECIFICATION: 2835LED 120deg	CCT (K) : 4000	DIMENSION:	SERIAL No. :



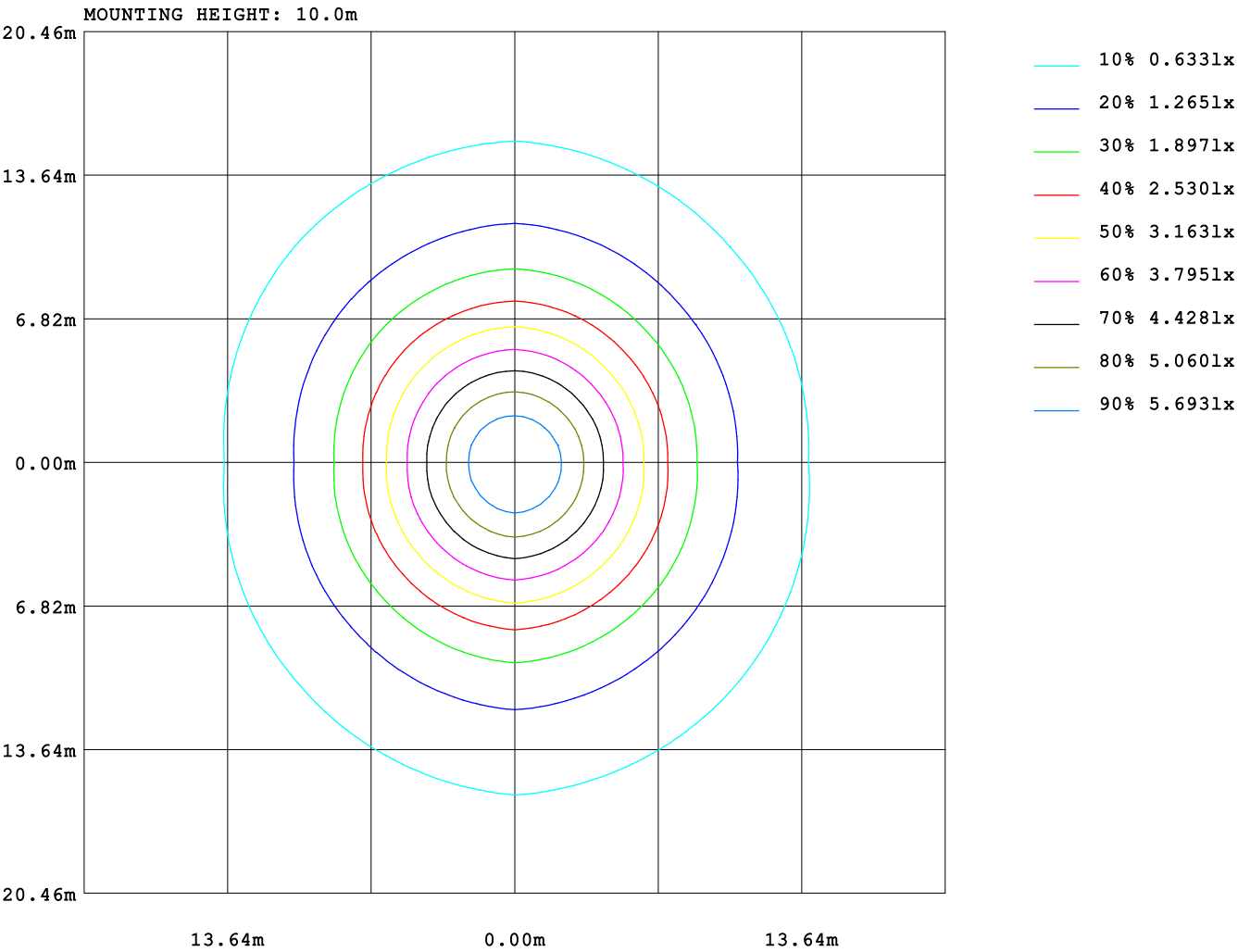
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ISOLUX DIAGRAM

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Address:			
NAME: Emma		TYPE: IL-TL26-N01840-120	WEIGHT:
SPECIFICATION: 2835LED 120deg	CCT (K) : 4000	DIMENSION:	SERIAL No. :



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LUMINOUS DISTRIBUTION INTENSITY DATA

Report number:

MANUFACTURER: ILUMEN GMBH			
Address:			
NAME: Emma		TYPE: IL-TL26-N01840-120	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	633	632	631	630	633	632	631	630
5.0	630	630	631	628	629	629	627	626
10.0	620	623	626	621	618	619	618	617
15.0	604	610	617	607	601	605	605	602
20.0	582	593	604	589	579	586	588	582
25.0	555	570	587	566	550	562	568	557
30.0	522	544	567	538	517	535	545	529
35.0	486	515	545	508	480	504	520	496
40.0	447	482	519	474	439	470	491	461
45.0	405	448	491	437	396	434	460	425
50.0	360	412	461	400	351	396	429	386
55.0	314	374	431	360	303	358	396	347
60.0	266	336	398	320	254	321	361	308
65.0	217	299	364	282	203	283	327	270
70.0	167	262	330	244	152	246	292	233
75.0	118	227	295	215	104	212	257	198
80.0	74.0	191	260	172	61.2	177	224	163
85.0	40.2	159	228	140	28.6	146	190	133
90.0	22.2	131	196	113	14.0	120	160	108
95.0	17.1	106	164	89.3	11.5	95.3	133	84.5
100.0	15.0	83.9	137	68.8	10.5	74.2	108	65.0
105.0	13.4	64.5	112	49.5	9.60	49.2	86.0	41.7
110.0	12.1	39.5	81.0	31.2	8.90	37.0	57.5	31.2
115.0	11.1	30.3	60.0	22.6	8.29	26.0	43.7	21.6
120.0	9.30	20.5	45.8	14.5	6.70	17.2	31.2	14.5
125.0	8.90	12.5	33.7	9.09	7.00	11.7	20.8	11.3
130.0	8.80	8.40	23.4	8.10	7.40	10.8	12.3	10.5
135.0	8.80	8.29	14.8	8.00	7.80	10.4	9.00	10.3
140.0	8.80	8.40	11.8	8.10	7.90	10.2	9.00	10.2
145.0	8.80	8.50	11.3	8.20	8.10	10.1	8.90	10.2
150.0	8.80	8.50	10.9	8.29	8.29	10.0	8.80	10.0
155.0	8.80	8.50	10.5	8.40	8.50	9.80	8.70	9.80
160.0	8.80	8.40	10.3	8.40	8.60	9.70	8.60	9.50
165.0	9.00	8.20	10.1	8.40	8.70	9.60	8.60	9.20
170.0	9.00	8.10	9.80	8.40	8.80	9.40	8.50	9.09
175.0	9.09	8.10	9.50	8.40	9.00	9.20	8.40	9.09
180.0	9.20	8.60	9.30	8.70	9.40	9.20	8.40	9.20

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