

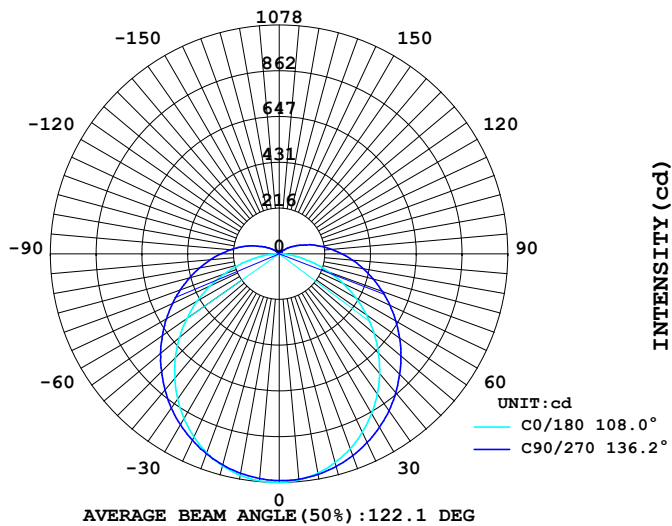
LUMINAIRE PHOTOMETRIC TEST REPORT

Report number:

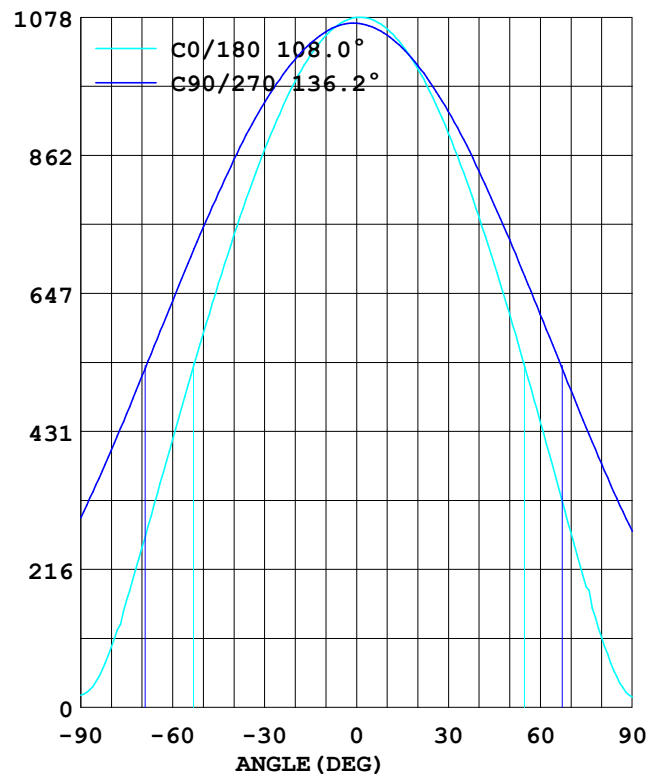
MANUFACTURER: ILUMEN GMBH			
Address:			
NAME: Emma		TYPE: IL-TL26-N03040-120	WEIGHT:
SPECIFICATION: 2835 LED 120deg	CCT (K) : 4000	DIMENSION:	SERIAL No.:

DATA OF LAMP		Imax (cd)	1078	S/MH (C0/180)	1.21
MODEL		EFFICIENCY (%)	100.0	S/MH (C90/270)	1.32
NOMINAL POWER(W)	30	TOTAL FLUX(lm)	3825.0	Voltage(V)	230.6
RATED VOLTAGE (V)	230	EFFICIENCY (lm/W)	130.5	Current(A)	0.130
NOMINAL FLUX(lm)	3825.0	$\eta$ up (%)	8.2	Power(W)	29.32
LAMPS QUANTITY	1	$\eta$ down (%)	91.8	Power Factor (PF)	0.978
TEST VOLTAGE (V)	230.6	Effective Flux(lm)	3825.0	EEL	0.104

LUMINOUS INTENSITY DISTRIBUTION



LUMINOUS INTENSITY DISTRIBUTION



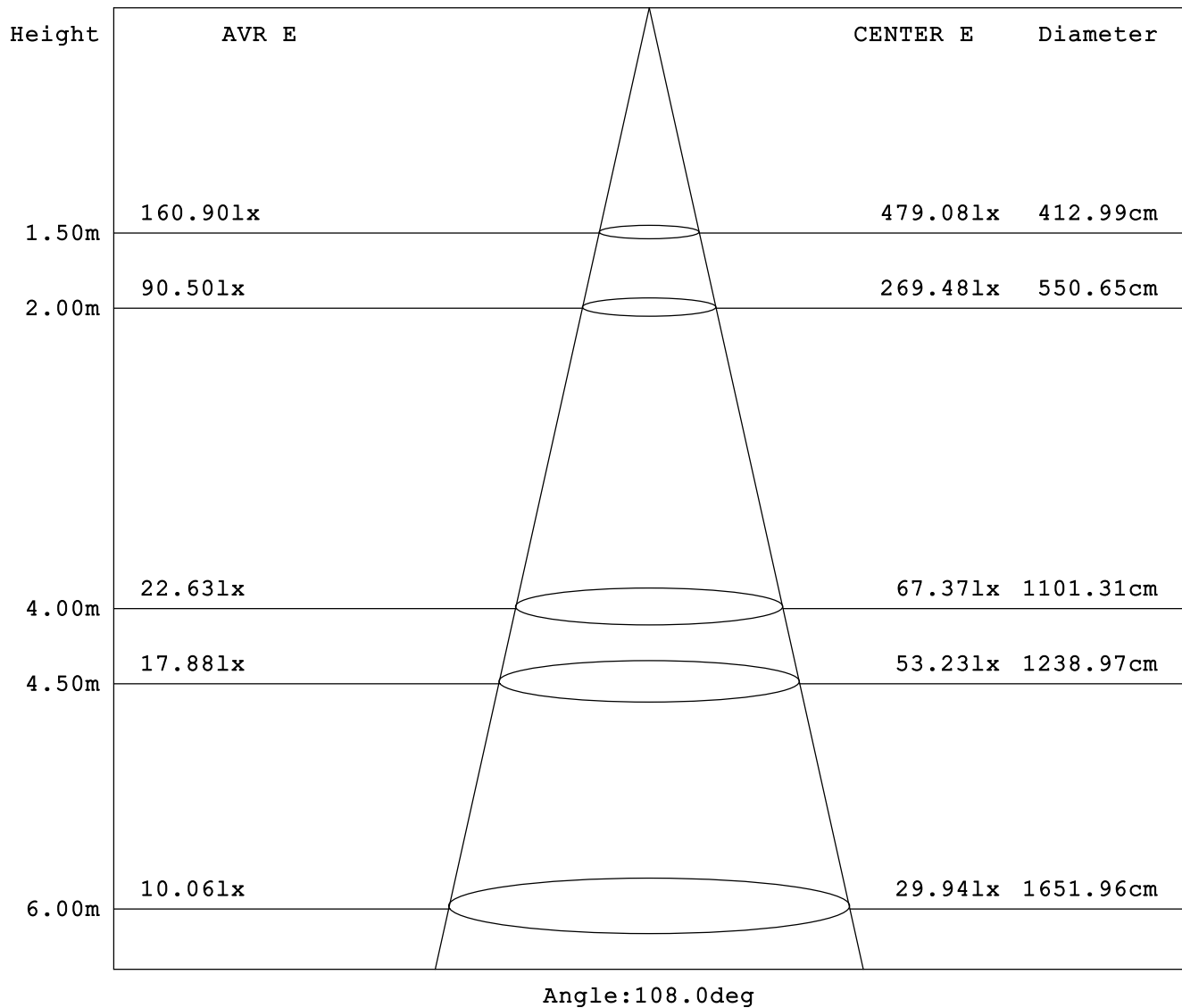
Test System:  
Temperature:25.3DEG  
Operators:  
Test Date:2024.03.12

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

## AVERAGE AND CENTER E Figure

Report number:

MANUFACTURER: ILUMEN GMBH			
Address:			
NAME: Emma		TYPE: IL-TL26-N03040-120	WEIGHT:
SPECIFICATION: 2835 LED 120deg	CCT (K) : 4000	DIMENSION:	SERIAL No.:



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Operators:  
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# ZONAL FLUX DIAGRAM

Report number:

MANUFACTURER: ILUMEN GMBH			
Address:			
NAME: Emma		TYPE: IL-TL26-N03040-120	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	1069	1067	1066	1060	1074	1068	1063	1060	0- 5	25.54	25.54
10.0	1049	1052	1055	1046	1060	1054	1050	1045	5- 10	75.74	101.2
15.0	1019	1029	1037	1022	1034	1032	1030	1021	10- 15	123.3	224.6
20.0	977.9	996.4	1012	989.7	998.2	1001	1003	988.2	15- 20	166.7	391.4
25.0	927.3	956.1	980.8	948.8	951.9	961.3	969.6	947.1	20- 25	204.6	596.0
30.0	871.0	908.8	944.8	900.3	896.7	915.4	930.9	900.0	25- 30	235.8	831.9
35.0	806.3	856.7	902.5	846.8	835.8	862.9	887.4	845.7	30- 35	259.7	1092
40.0	737.5	798.7	855.6	787.0	766.3	805.0	837.7	786.3	35- 40	275.6	1367
45.0	662.5	736.1	803.6	722.9	691.8	744.0	784.3	724.3	40- 45	283.3	1651
50.0	583.4	672.3	749.2	657.1	614.4	678.5	730.4	657.7	45- 50	283.1	1934
55.0	503.1	605.8	693.7	587.8	531.6	611.5	672.9	589.6	50- 55	275.4	2209
60.0	418.7	539.7	634.9	519.5	446.2	546.4	613.9	523.7	55- 60	261.0	2470
65.0	333.0	475.8	575.7	453.8	361.0	480.6	555.5	457.7	60- 65	241.0	2711
70.0	249.7	412.6	517.7	388.9	273.4	416.8	496.0	394.1	65- 70	216.3	2928
75.0	167.8	352.5	458.7	327.5	188.2	357.5	436.8	335.1	70- 75	188.4	3116
80.0	93.72	297.6	401.7	272.0	109.9	300.2	380.6	279.0	75- 80	158.9	3275
85.0	40.43	245.8	347.8	220.5	47.71	247.5	326.2	227.7	80- 85	129.9	3405
90.0	19.00	200.0	296.0	175.6	16.09	200.8	275.2	182.9	85- 90	104.5	3510
95.0	15.04	158.7	248.2	135.4	11.88	159.0	230.3	138.9	90- 95	84.34	3594
100.0	13.01	121.8	205.1	101.0	10.26	121.4	187.3	106.5	95-100	66.63	3661
105.0	11.32	90.48	165.7	72.21	8.976	86.60	146.8	71.56	100-105	50.74	3711
110.0	10.02	59.59	122.1	46.33	7.843	54.66	107.0	48.43	105-110	36.27	3748
115.0	8.976	40.35	93.07	28.22	7.035	37.27	78.84	31.13	110-115	24.55	3772
120.0	8.167	23.85	67.03	14.39	6.388	22.72	55.15	18.27	115-120	16.35	3788
125.0	7.682	11.48	44.88	8.086	6.064	12.21	35.49	11.15	120-125	10.00	3798
130.0	7.439	8.167	26.44	7.682	5.984	10.83	18.67	10.43	125-130	6.244	3805
135.0	7.439	8.005	13.50	7.682	6.226	10.35	9.299	10.10	130-135	4.152	3809
140.0	7.601	8.005	12.29	7.763	6.630	10.10	9.056	9.784	135-140	3.319	3812
145.0	7.763	7.843	11.72	7.843	7.035	9.865	8.814	9.380	140-145	2.951	3815
150.0	7.924	7.763	11.15	7.924	7.277	9.703	8.652	9.137	145-150	2.570	3818
155.0	8.086	7.843	10.59	8.005	7.601	9.461	8.490	9.137	150-155	2.195	3820
160.0	8.248	7.843	10.26	8.086	8.005	9.299	8.329	8.976	155-160	1.809	3822
165.0	8.409	7.843	9.946	8.167	8.329	9.137	8.248	8.895	160-165	1.419	3823
170.0	8.652	7.843	9.622	8.086	8.652	8.976	8.167	8.814	165-170	1.020	3824
175.0	8.814	7.924	9.380	8.005	8.652	8.895	7.924	8.733	170-175	0.614	3825
180.0	8.895	8.571	9.056	8.814	8.733	9.380	8.248	9.380	175-180	0.206	3825
DEG	LUMINOUS INTENSITY:cd									UNIT:lm	

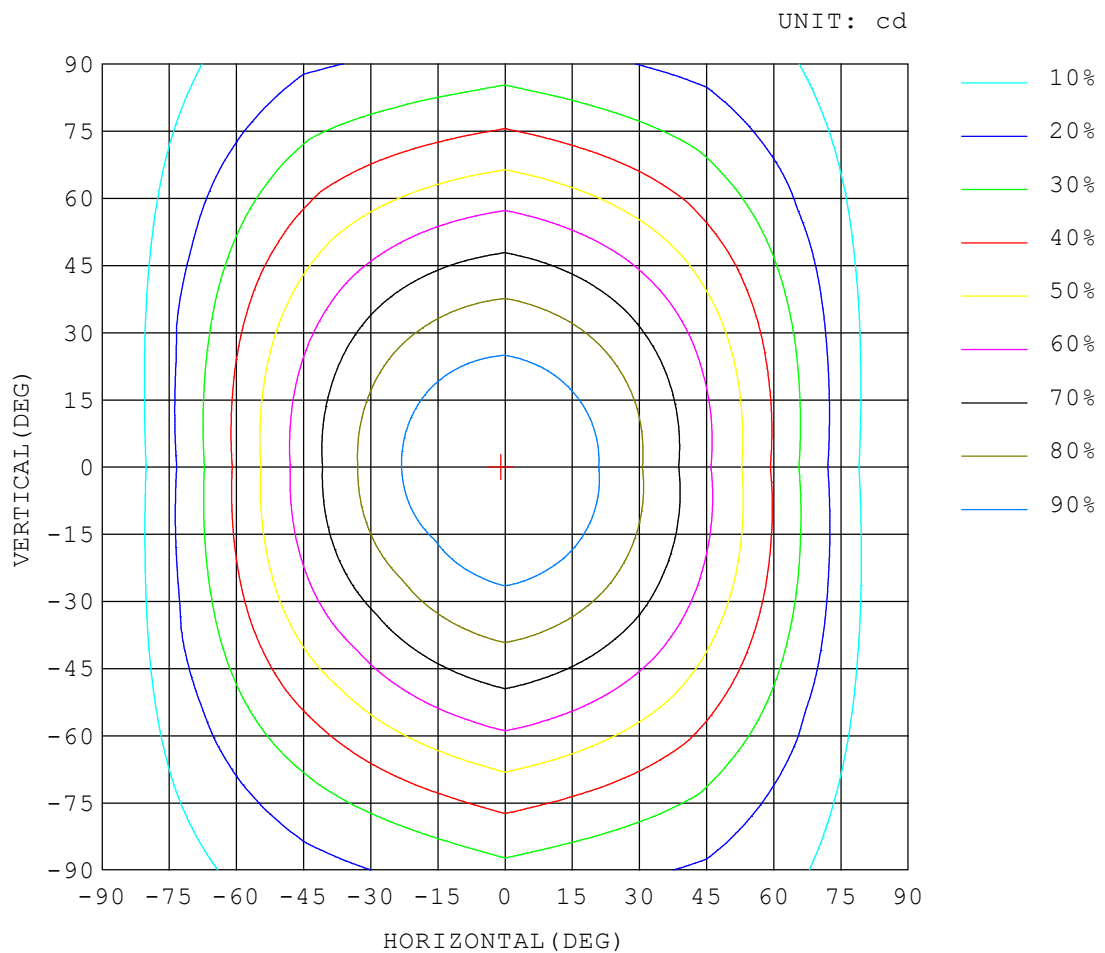
Test System:  
Temperature:25.3DEG  
Operators:  
Test Date:2024.03.12

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:			
NAME: Emma		TYPE: IL-TL26-N03040-120	WEIGHT:
SPECIFICATION: 2835 LED 120deg	CCT (K) : 4000	DIMENSION:	SERIAL No. :



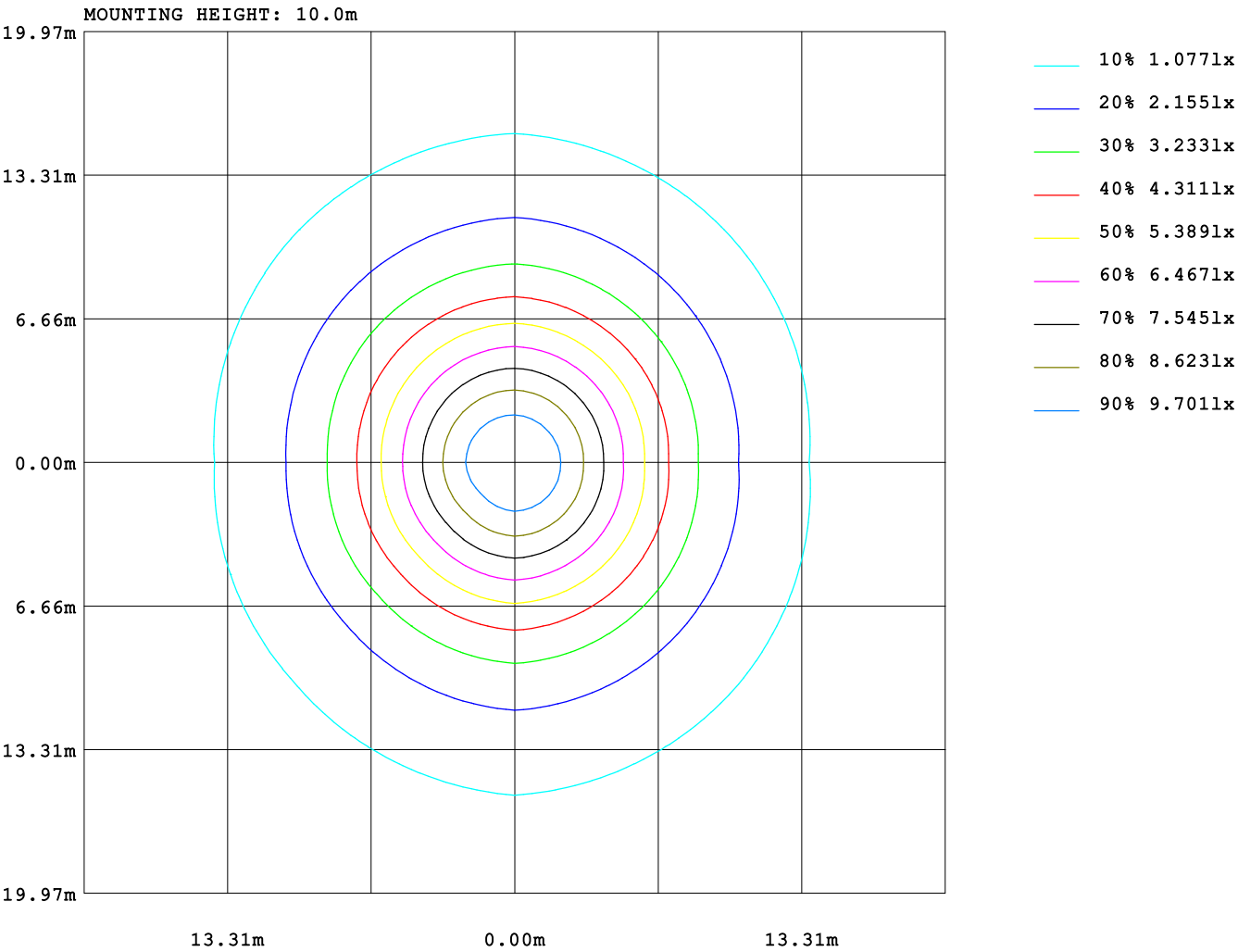
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Operators:  
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ISOLUX DIAGRAM

Report number:

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Address:			
NAME: Emma		TYPE: IL-TL26-N03040-120	WEIGHT:
SPECIFICATION: 2835 LED 120deg	CCT (K) : 4000	DIMENSION:	SERIAL No. :



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

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Humidity:65.0%  
Test Distance:10.000 m  
Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Report number:

MANUFACTURER: ILUMEN GMBH			
Address:			
NAME: Emma		TYPE: IL-TL26-N03040-120	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	1078	1072	1069	1065	1078	1072	1069	1065
5.0	1069	1067	1066	1060	1074	1068	1063	1060
10.0	1049	1052	1055	1046	1060	1054	1050	1045
15.0	1019	1029	1037	1022	1034	1032	1030	1021
20.0	978	996	1012	990	998	1001	1003	988
25.0	927	956	981	949	952	961	970	947
30.0	871	909	945	900	897	915	931	900
35.0	806	857	903	847	836	863	887	846
40.0	738	799	856	787	766	805	838	786
45.0	663	736	804	723	692	744	784	724
50.0	583	672	749	657	614	679	730	658
55.0	503	606	694	588	532	612	673	590
60.0	419	540	635	520	446	546	614	524
65.0	333	476	576	454	361	481	556	458
70.0	250	413	518	389	273	417	496	394
75.0	168	353	459	328	188	358	437	335
80.0	93.7	298	402	272	110	300	381	279
85.0	40.4	246	348	221	47.7	248	326	228
90.0	19.0	200	296	176	16.0	201	275	183
95.0	15.0	159	248	135	11.8	159	230	139
100.0	13.0	122	205	101	10.2	121	187	107
105.0	11.3	90.4	166	72.2	8.97	86.6	147	71.5
110.0	10.0	59.5	122	46.3	7.84	54.6	107	48.4
115.0	8.97	40.3	93.0	28.2	7.03	37.2	78.8	31.1
120.0	8.16	23.8	67.0	14.3	6.38	22.7	55.1	18.2
125.0	7.68	11.4	44.8	8.08	6.06	12.2	35.4	11.1
130.0	7.43	8.16	26.4	7.68	5.98	10.8	18.6	10.4
135.0	7.43	8.00	13.5	7.68	6.22	10.3	9.29	10.1
140.0	7.60	8.00	12.2	7.76	6.63	10.1	9.05	9.78
145.0	7.76	7.84	11.7	7.84	7.03	9.86	8.81	9.38
150.0	7.92	7.76	11.1	7.92	7.27	9.70	8.65	9.13
155.0	8.08	7.84	10.5	8.00	7.60	9.46	8.49	9.13
160.0	8.24	7.84	10.2	8.08	8.00	9.29	8.32	8.97
165.0	8.40	7.84	9.94	8.16	8.32	9.13	8.24	8.89
170.0	8.65	7.84	9.62	8.08	8.65	8.97	8.16	8.81
175.0	8.81	7.92	9.38	8.00	8.65	8.89	7.92	8.73
180.0	8.89	8.57	9.05	8.81	8.73	9.38	8.24	9.38

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