

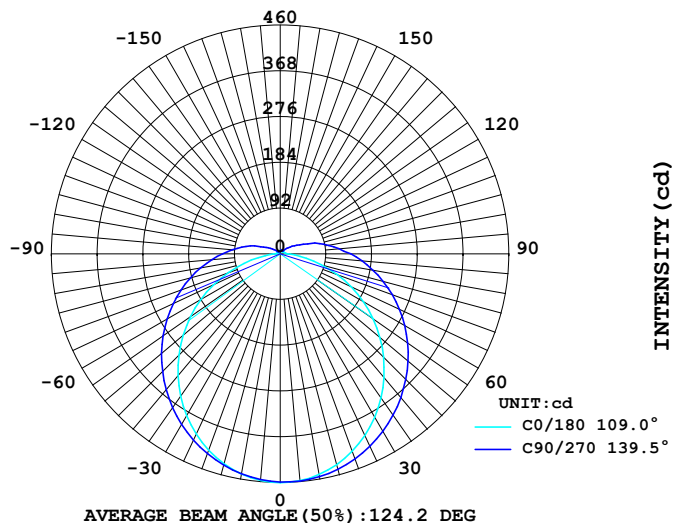
LUMINAIRE PHOTOMETRIC TEST REPORT

Report number:

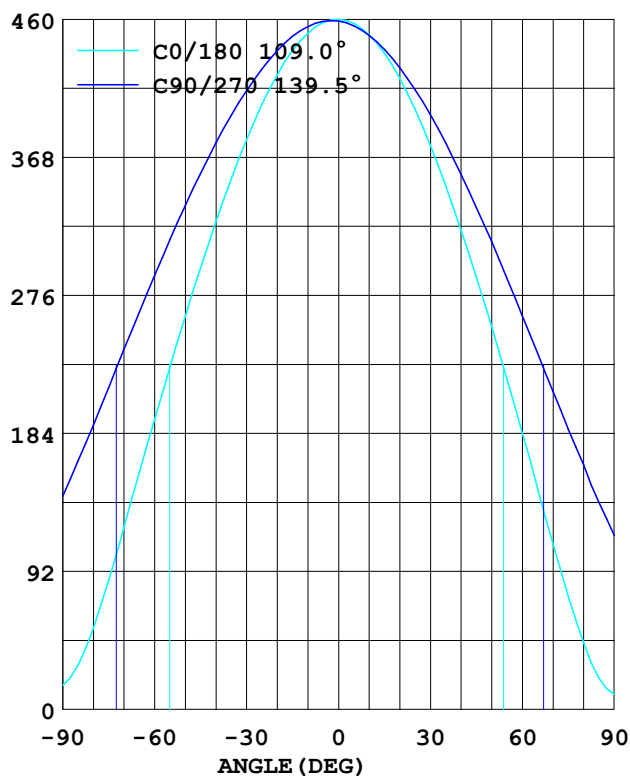
MANUFACTURER: ILUMEN GMBH			
Address:			
NAME: Emma		TYPE: IL-TL26-N01340-120	WEIGHT:
SPECIFICATION: 2835LED 120deg	CCT (K) : 4000	DIMENSION:	SERIAL No. :

DATA OF LAMP		Imax(cd)	460.4	S/MH (C0/180)	1.23
MODEL		EFFICIENCY (%)	100.0	S/MH (C90/270)	1.34
NOMINAL POWER(W)	13	TOTAL FLUX(lm)	1690.4	Voltage(V)	230.5
RATED VOLTAGE (V)	230	EFFICIENCY (lm/W)	133.4	Current(A)	0.055
NOMINAL FLUX(lm)	1690.5	η up (%)	9.3	Power(W)	12.67
LAMPS QUANTITY	1	η down (%)	90.7	Power Factor (PF)	0.978
TEST VOLTAGE (V)	230.5	Effective Flux(lm)	1690.5	EEL	0.102

LUMINOUS INTENSITY DISTRIBUTION



LUMINOUS INTENSITY DISTRIBUTION



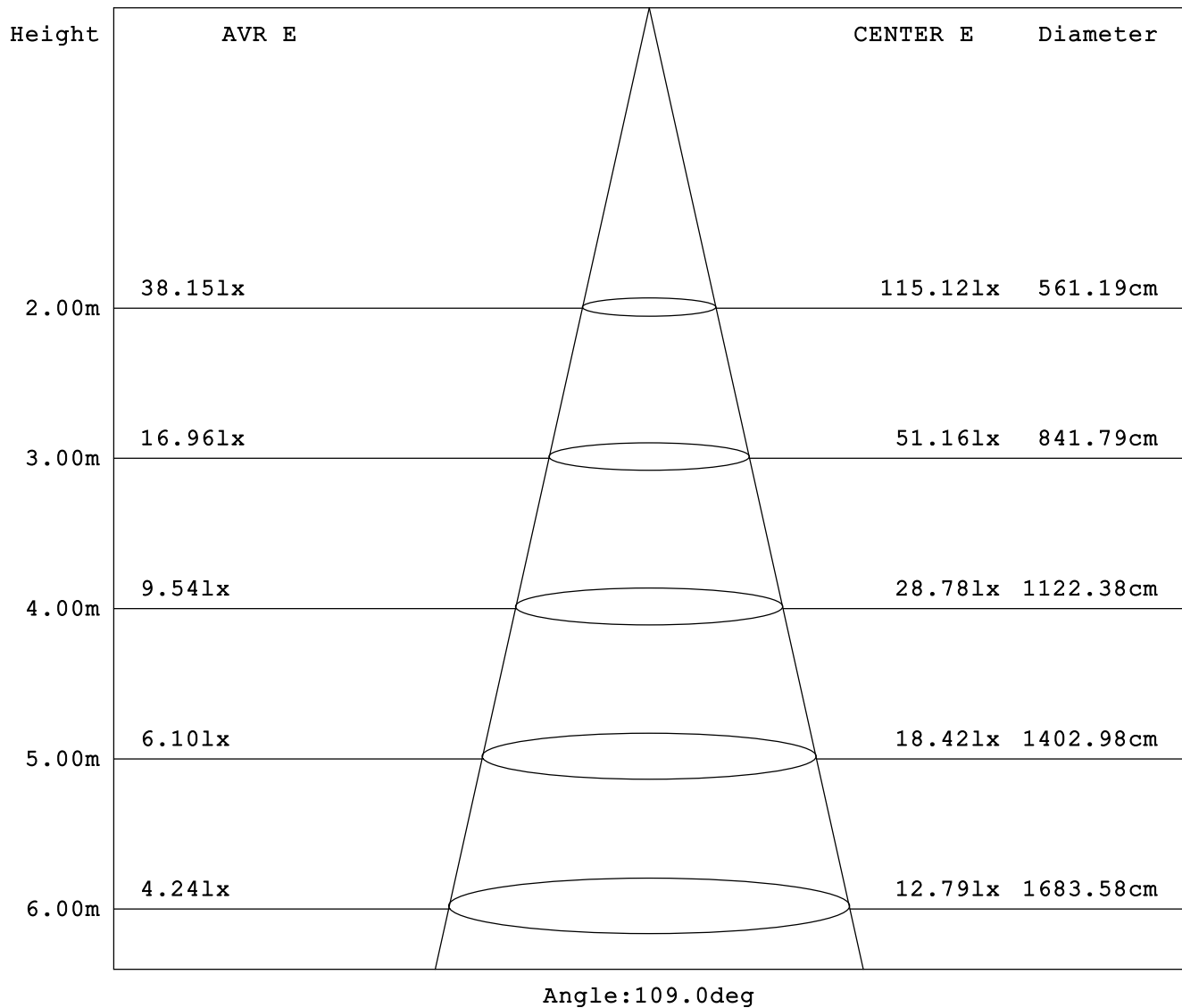
Test System:
 Temperature:25.3DEG
 Operators:
 Test Date:2023.09.18

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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NAME: Emma		TYPE: IL-TL26-N01340-120	WEIGHT:
SPECIFICATION: 2835LED 120deg	CCT (K) : 4000	DIMENSION:	SERIAL No.:



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ZONAL FLUX DIAGRAM

Report number:

MANUFACTURER: ILUMEN GMBH			
Address:			
NAME: Emma		TYPE: IL-TL26-N01340-120	WEIGHT:
SPECIFICATION: 2835LED 120deg	CCT (K) : 4000	DIMENSION:	SERIAL No. :

γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Zone	total
5.0	458.2	458.6	459.0	457.2	457.8	457.4	456.1	455.8	0- 5	10.96	10.96
10.0	451.0	453.1	455.5	451.6	450.0	450.6	449.6	448.7	5- 10	32.51	43.47
15.0	439.4	443.8	448.9	442.0	437.6	440.2	440.2	437.8	10- 15	52.95	96.42
20.0	423.2	431.2	439.3	428.9	421.3	426.1	428.2	423.2	15- 20	71.61	168.0
25.0	403.6	415.1	427.2	412.0	400.4	408.8	413.6	405.1	20- 25	87.93	255.9
30.0	380.1	395.8	412.7	391.8	376.3	389.1	396.8	384.6	25- 30	101.4	357.4
35.0	353.7	374.7	396.3	369.7	349.6	366.5	378.2	361.1	30- 35	111.8	469.3
40.0	325.4	351.2	377.9	344.8	319.8	341.8	357.0	335.7	35- 40	118.9	588.2
45.0	294.4	325.8	357.4	318.2	288.1	315.9	334.8	309.2	40- 45	122.6	710.8
50.0	261.8	299.5	335.8	291.0	255.4	288.3	312.1	280.8	45- 50	122.9	833.8
55.0	228.7	272.0	313.5	262.1	220.6	260.5	287.8	252.2	50- 55	120.1	953.9
60.0	193.6	244.4	289.6	233.2	184.7	233.4	262.6	224.4	55- 60	114.5	1068
65.0	158.0	217.7	264.9	205.4	147.3	205.9	237.8	196.3	60- 65	106.3	1175
70.0	121.3	190.8	240.3	177.7	110.6	179.2	212.3	169.2	65- 70	96.01	1271
75.0	85.96	165.0	214.5	156.3	75.40	154.4	186.9	144.3	70- 75	84.34	1355
80.0	53.86	139.0	189.2	124.9	44.61	128.7	163.2	118.7	75- 80	71.65	1427
85.0	29.33	115.9	165.5	102.1	20.81	106.5	138.1	97.10	80- 85	58.87	1486
90.0	16.15	95.20	142.3	81.96	10.19	86.98	116.0	78.24	85- 90	47.85	1534
95.0	12.44	77.30	119.0	65.00	8.443	69.36	96.73	61.57	90- 95	38.77	1572
100.0	10.99	61.06	99.42	50.07	7.642	54.08	78.68	47.31	95-100	31.16	1604
105.0	9.753	46.94	81.37	36.10	6.987	35.81	62.59	30.35	100-105	24.12	1628
110.0	8.807	28.82	58.95	22.78	6.478	26.93	41.85	22.71	105-110	17.26	1645
115.0	8.079	22.05	43.67	16.45	6.041	18.92	31.88	15.72	110-115	11.99	1657
120.0	6.769	14.92	33.41	10.55	4.876	12.59	22.78	10.55	115-120	8.496	1665
125.0	6.478	9.098	24.60	6.623	5.095	8.516	15.14	8.225	120-125	5.738	1671
130.0	6.405	6.114	17.03	5.895	5.386	7.861	8.953	7.642	125-130	4.016	1675
135.0	6.405	6.041	10.77	5.823	5.677	7.570	6.551	7.497	130-135	3.038	1678
140.0	6.405	6.114	8.589	5.895	5.750	7.424	6.551	7.424	135-140	2.539	1681
145.0	6.405	6.187	8.225	5.968	5.895	7.351	6.478	7.424	140-145	2.258	1683
150.0	6.405	6.187	7.933	6.041	6.041	7.278	6.405	7.278	145-150	1.981	1685
155.0	6.405	6.187	7.715	6.114	6.187	7.133	6.332	7.133	150-155	1.689	1687
160.0	6.405	6.114	7.497	6.114	6.259	7.060	6.259	6.914	155-160	1.387	1688
165.0	6.551	5.968	7.351	6.114	6.332	6.987	6.259	6.696	160-165	1.080	1689
170.0	6.551	5.895	7.133	6.114	6.405	6.842	6.187	6.623	165-170	0.771	1690
175.0	6.623	5.895	6.914	6.114	6.551	6.696	6.114	6.623	170-175	0.461	1690
180.0	6.696	6.259	6.769	6.332	6.842	6.696	6.114	6.696	175-180	0.155	1690
DEG	LUMINOUS INTENSITY:cd									UNIT:lm	

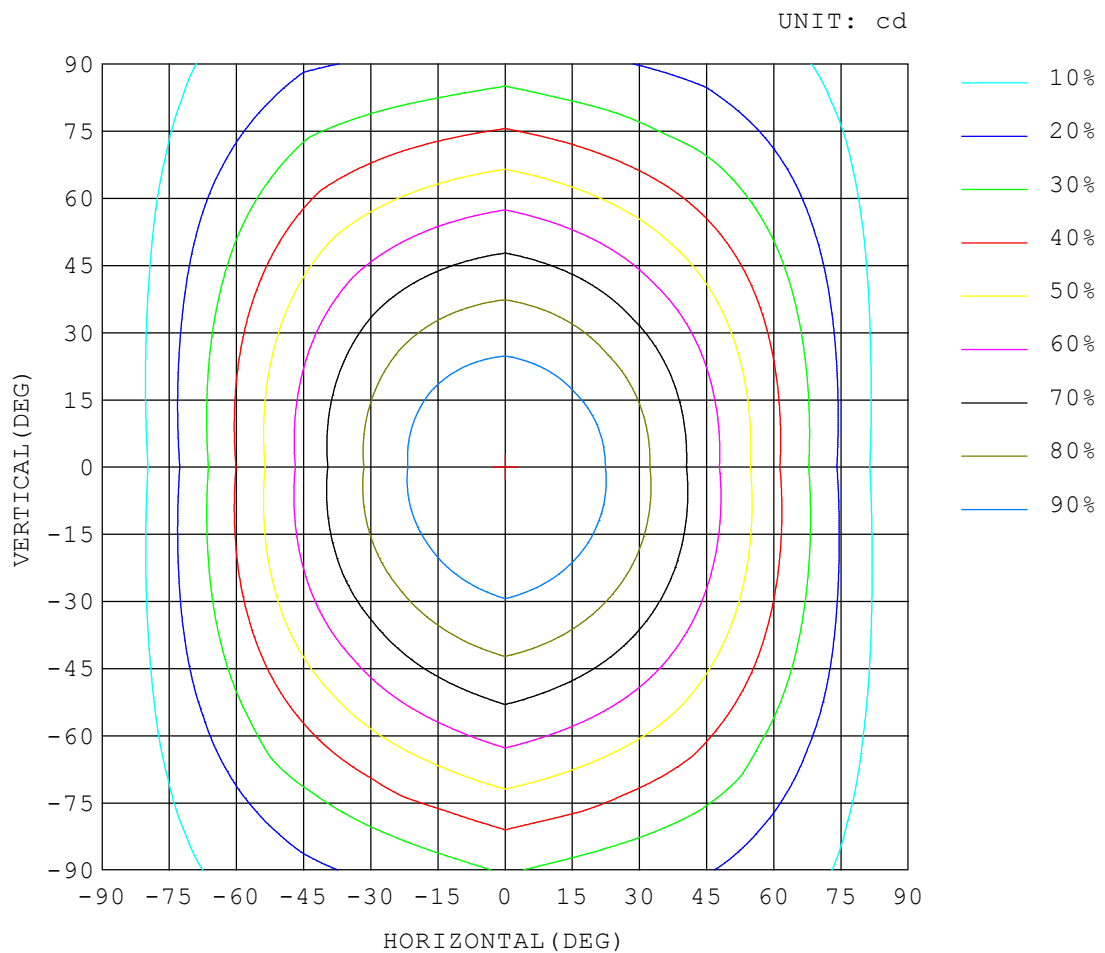
Test System:
Temperature:25.3DEG
Operators:
Test Date:2023.09.18

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-N01340-120	WEIGHT:
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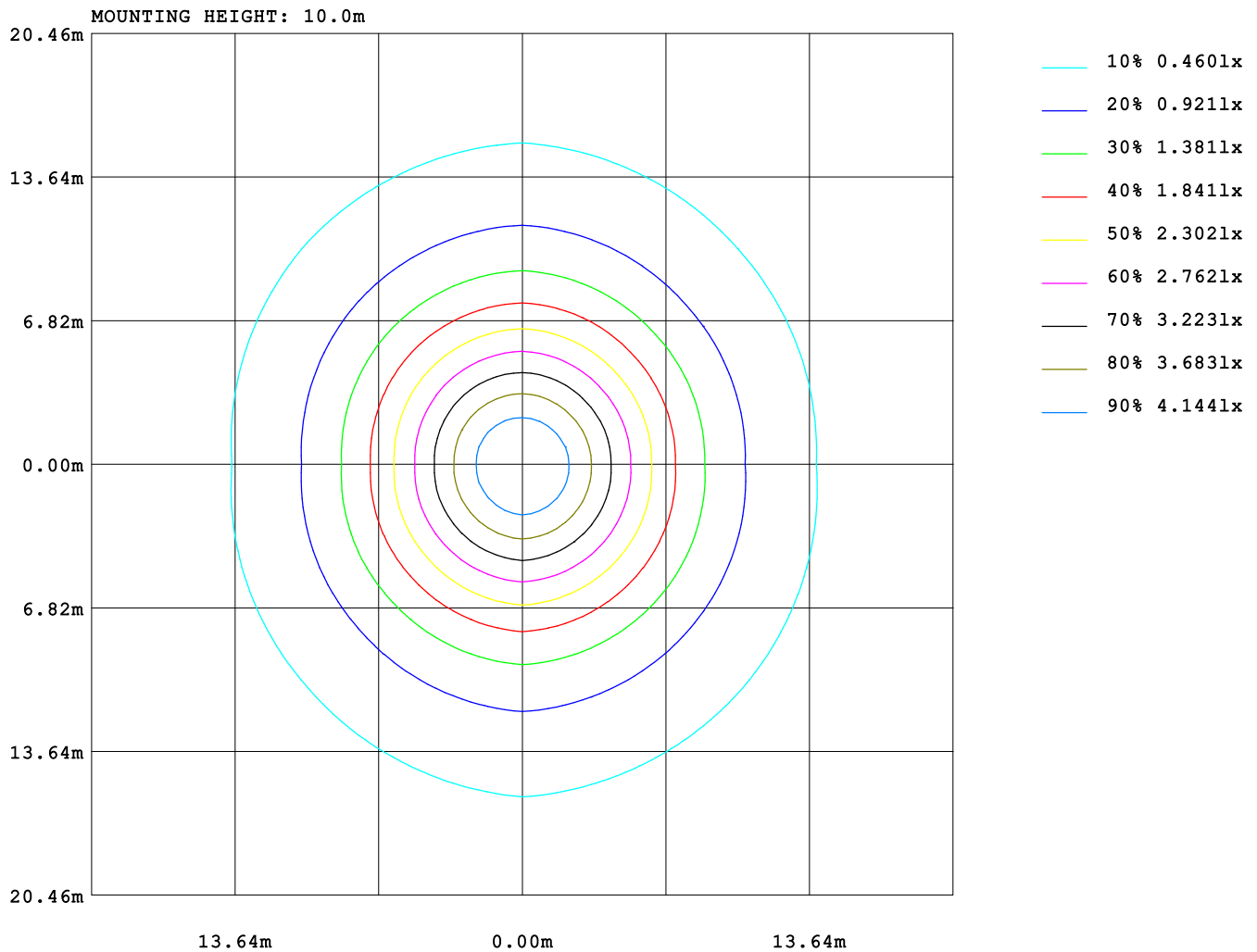
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ISOLUX DIAGRAM

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NAME: Emma		TYPE: IL-TL26-N01340-120	WEIGHT:
SPECIFICATION: 2835LED 120deg	CCT (K) : 4000	DIMENSION:	SERIAL No. :



Test System:
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Operators:
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Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Report number:

MANUFACTURER: ILUMEN GMBH			
Address:			
NAME: Emma		TYPE: IL-TL26-N01340-120	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	460	460	459	459	460	460	459	459
5.0	458	459	459	457	458	457	456	456
10.0	451	453	456	452	450	451	450	449
15.0	439	444	449	442	438	440	440	438
20.0	423	431	439	429	421	426	428	423
25.0	404	415	427	412	400	409	414	405
30.0	380	396	413	392	376	389	397	385
35.0	354	375	396	370	350	367	378	361
40.0	325	351	378	345	320	342	357	336
45.0	294	326	357	318	288	316	335	309
50.0	262	300	336	291	255	288	312	281
55.0	229	272	314	262	221	261	288	252
60.0	194	244	290	233	185	233	263	224
65.0	158	218	265	205	147	206	238	196
70.0	121	191	240	178	111	179	212	169
75.0	85.9	165	215	156	75.4	154	187	144
80.0	53.8	139	189	125	44.6	129	163	119
85.0	29.3	116	166	102	20.8	107	138	97.1
90.0	16.1	95.2	142	81.9	10.1	86.9	116	78.2
95.0	12.4	77.3	119	65.0	8.44	69.3	96.7	61.5
100.0	10.9	61.0	99.4	50.0	7.64	54.0	78.6	47.3
105.0	9.75	46.9	81.3	36.1	6.98	35.8	62.5	30.3
110.0	8.80	28.8	58.9	22.7	6.47	26.9	41.8	22.7
115.0	8.07	22.0	43.6	16.4	6.04	18.9	31.8	15.7
120.0	6.76	14.9	33.4	10.5	4.87	12.5	22.7	10.5
125.0	6.47	9.09	24.6	6.62	5.09	8.51	15.1	8.22
130.0	6.40	6.11	17.0	5.89	5.38	7.86	8.95	7.64
135.0	6.40	6.04	10.7	5.82	5.67	7.57	6.55	7.49
140.0	6.40	6.11	8.58	5.89	5.75	7.42	6.55	7.42
145.0	6.40	6.18	8.22	5.96	5.89	7.35	6.47	7.42
150.0	6.40	6.18	7.93	6.04	6.04	7.27	6.40	7.27
155.0	6.40	6.18	7.71	6.11	6.18	7.13	6.33	7.13
160.0	6.40	6.11	7.49	6.11	6.25	7.06	6.25	6.91
165.0	6.55	5.96	7.35	6.11	6.33	6.98	6.25	6.69
170.0	6.55	5.89	7.13	6.11	6.40	6.84	6.18	6.62
175.0	6.62	5.89	6.91	6.11	6.55	6.69	6.11	6.62
180.0	6.69	6.25	6.76	6.33	6.84	6.69	6.11	6.69

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