

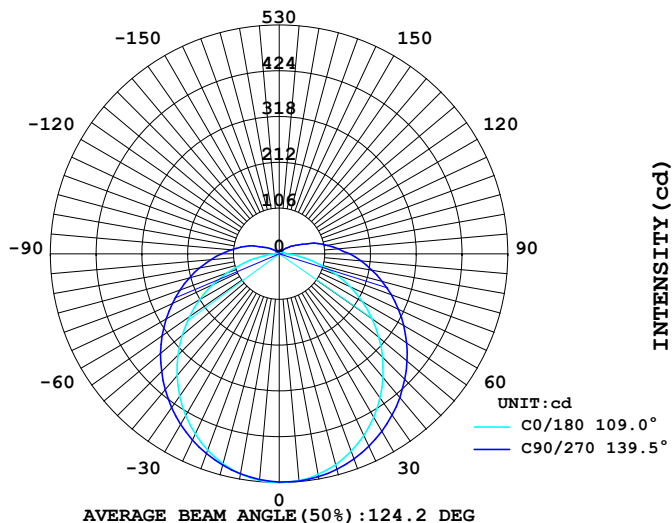
LUMINAIRE PHOTOMETRIC TEST REPORT

Report number:

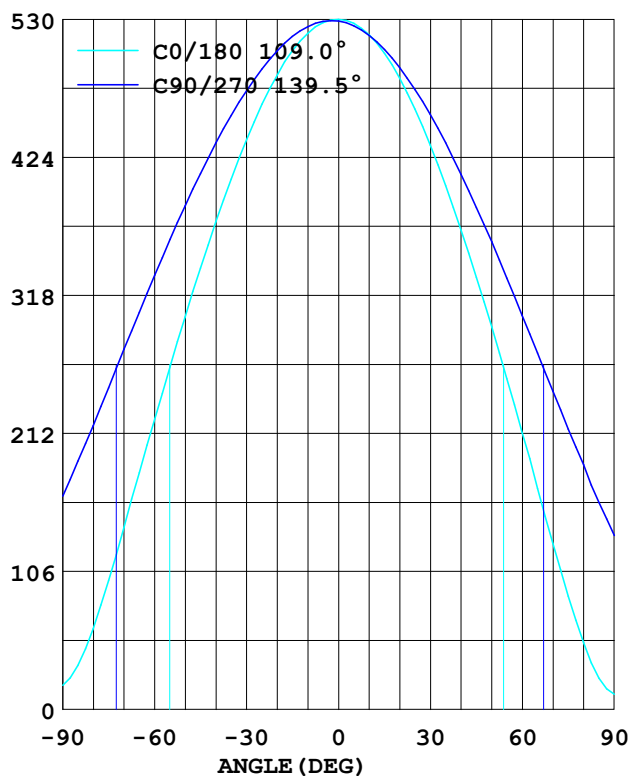
MANUFACTURER: ILUMEN GMBH			
Address:			
NAME: Emma		TYPE: IL-TL26-N01540-120	WEIGHT:
SPECIFICATION: 2835LED 120deg	CCT (K) : 4000	DIMENSION:	SERIAL No. :

DATA OF LAMP		Imax (cd)	529.9	S/MH (C0/180)	1.23
MODEL		EFFICIENCY (%)	100.0	S/MH (C90/270)	1.34
NOMINAL POWER (W)	15	TOTAL FLUX (lm)	1945.4	Voltage (V)	230.5
RATED VOLTAGE (V)	230	EFFICIENCY (lm/W)	131.9	Current (A)	0.064
NOMINAL FLUX (lm)	1945.5	η up (%)	9.3	Power (W)	14.75
LAMPS QUANTITY	1	η down (%)	90.7	Power Factor (PF)	0.978
TEST VOLTAGE (V)	230.5	Effective Flux (lm)	1945.5	EEL	0.103

LUMINOUS INTENSITY DISTRIBUTION



LUMINOUS INTENSITY DISTRIBUTION



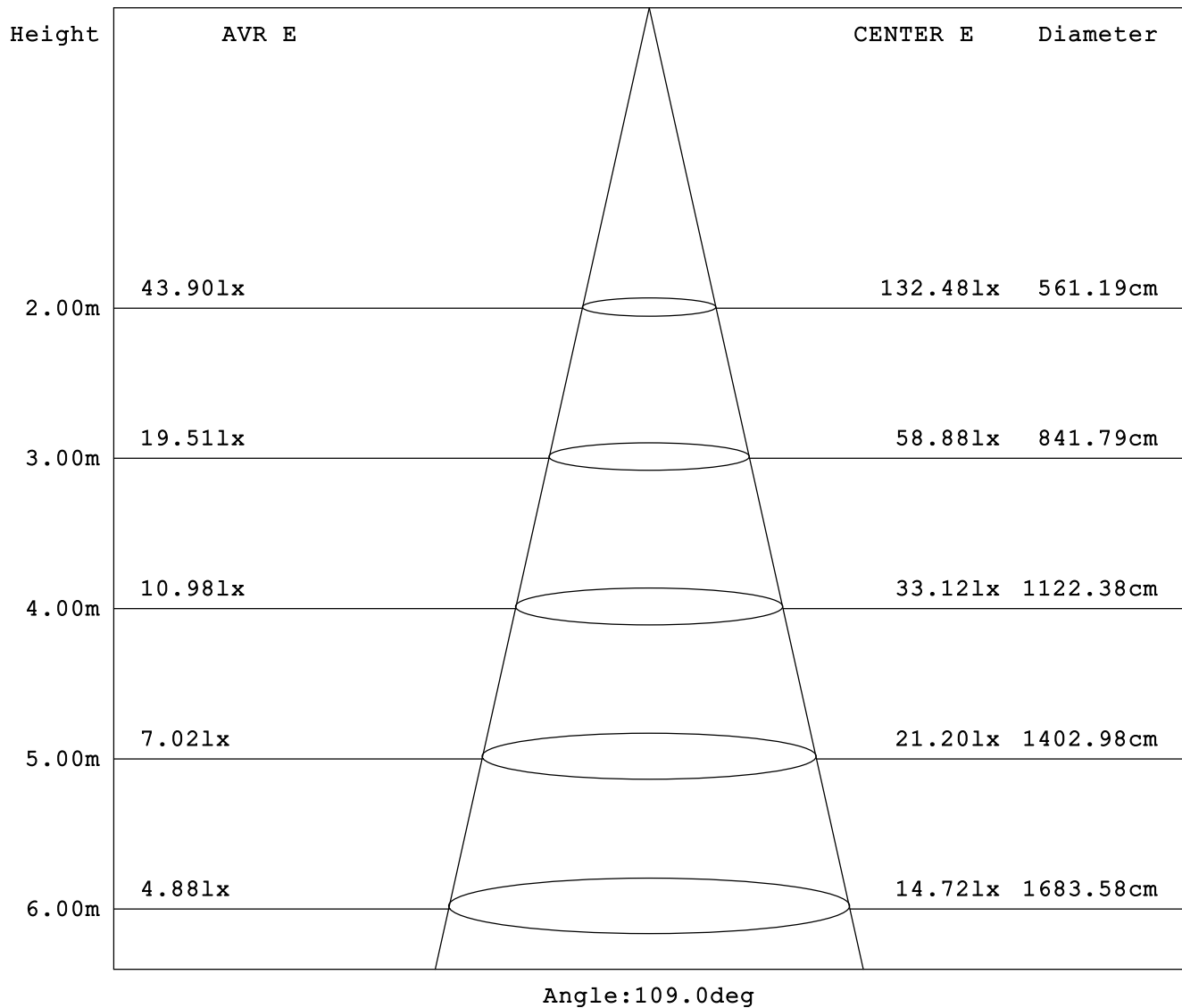
Test System:
Temperature: 25.3 DEG
Operators:
Test Date: 2023.09.18

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

AVERAGE AND CENTER E Figure

Report number:

MANUFACTURER: ILUMEN GMBH			
Address:			
NAME: Emma		TYPE: IL-TL26-N01540-120	WEIGHT:
SPECIFICATION: 2835LED 120deg	CCT (K) : 4000	DIMENSION:	SERIAL No.:



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

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ZONAL FLUX DIAGRAM

Report number:

MANUFACTURER: ILUMEN GMBH			
Address:			
NAME: Emma		TYPE: IL-TL26-N01540-120	WEIGHT:
SPECIFICATION: 2835LED 120deg	CCT (K) : 4000	DIMENSION:	SERIAL No. :

γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Zone	total
5.0	527.3	527.8	528.3	526.2	526.8	526.4	524.9	524.5	0- 5	12.61	12.61
10.0	519.0	521.5	524.2	519.7	517.9	518.6	517.5	516.4	5- 10	37.41	50.03
15.0	505.7	510.8	516.6	508.7	503.6	506.7	506.6	503.9	10- 15	60.93	110.9
20.0	487.1	496.3	505.6	493.6	484.8	490.4	492.8	487.1	15- 20	82.41	193.3
25.0	464.5	477.7	491.7	474.2	460.8	470.5	476.0	466.2	20- 25	101.2	294.5
30.0	437.4	455.6	475.0	451.0	433.0	447.8	456.6	442.7	25- 30	116.7	411.3
35.0	407.1	431.3	456.1	425.5	402.3	421.8	435.2	415.6	30- 35	128.7	540.0
40.0	374.5	404.1	435.0	396.8	368.0	393.3	410.8	386.3	35- 40	136.8	676.9
45.0	338.8	374.9	411.3	366.2	331.6	363.6	385.3	355.8	40- 45	141.1	818.0
50.0	301.3	344.7	386.5	334.9	293.9	331.8	359.1	323.1	45- 50	141.5	959.5
55.0	263.1	313.1	360.8	301.7	253.8	299.8	331.2	290.2	50- 55	138.2	1098
60.0	222.8	281.3	333.3	268.3	212.6	268.6	302.3	258.2	55- 60	131.7	1230
65.0	181.8	250.5	304.9	236.3	169.6	236.9	273.6	225.9	60- 65	122.3	1352
70.0	139.6	219.6	276.5	204.5	127.3	206.2	244.3	194.7	65- 70	110.5	1463
75.0	98.92	189.9	246.8	179.9	86.78	177.7	215.1	166.1	70- 75	97.06	1560
80.0	61.98	159.9	217.7	143.8	51.34	148.1	187.8	136.6	75- 80	82.46	1642
85.0	33.75	133.4	190.5	117.5	23.95	122.6	158.9	111.7	80- 85	67.75	1710
90.0	18.59	109.5	163.8	94.32	11.72	100.1	133.6	90.04	85- 90	55.06	1765
95.0	14.32	88.96	136.9	74.80	9.717	79.83	111.3	70.86	90- 95	44.62	1809
100.0	12.64	70.28	114.4	57.63	8.795	62.23	90.55	54.44	95-100	35.86	1845
105.0	11.22	54.02	93.65	41.54	8.041	41.21	72.03	34.93	100-105	27.76	1873
110.0	10.13	33.17	67.85	26.21	7.455	30.99	48.16	26.13	105-110	19.86	1893
115.0	9.298	25.38	50.26	18.93	6.952	21.77	36.69	18.09	110-115	13.79	1907
120.0	7.790	17.17	38.44	12.14	5.612	14.49	26.21	12.14	115-120	9.777	1917
125.0	7.455	10.47	28.31	7.622	5.863	9.800	17.42	9.465	120-125	6.604	1923
130.0	7.371	7.036	19.60	6.785	6.198	9.046	10.30	8.795	125-130	4.622	1928
135.0	7.371	6.952	12.39	6.701	6.533	8.711	7.539	8.628	130-135	3.496	1931
140.0	7.371	7.036	9.884	6.785	6.617	8.544	7.539	8.544	135-140	2.922	1934
145.0	7.371	7.120	9.465	6.868	6.785	8.460	7.455	8.544	140-145	2.598	1937
150.0	7.371	7.120	9.130	6.952	6.952	8.376	7.371	8.376	145-150	2.279	1939
155.0	7.371	7.120	8.879	7.036	7.120	8.209	7.287	8.209	150-155	1.944	1941
160.0	7.371	7.036	8.628	7.036	7.203	8.125	7.203	7.957	155-160	1.597	1943
165.0	7.539	6.868	8.460	7.036	7.287	8.041	7.203	7.706	160-165	1.243	1944
170.0	7.539	6.785	8.209	7.036	7.371	7.874	7.120	7.622	165-170	0.887	1945
175.0	7.622	6.785	7.957	7.036	7.539	7.706	7.036	7.622	170-175	0.531	1945
180.0	7.706	7.203	7.790	7.287	7.874	7.706	7.036	7.706	175-180	0.178	1945
DEG	LUMINOUS INTENSITY:cd									UNIT:lm	

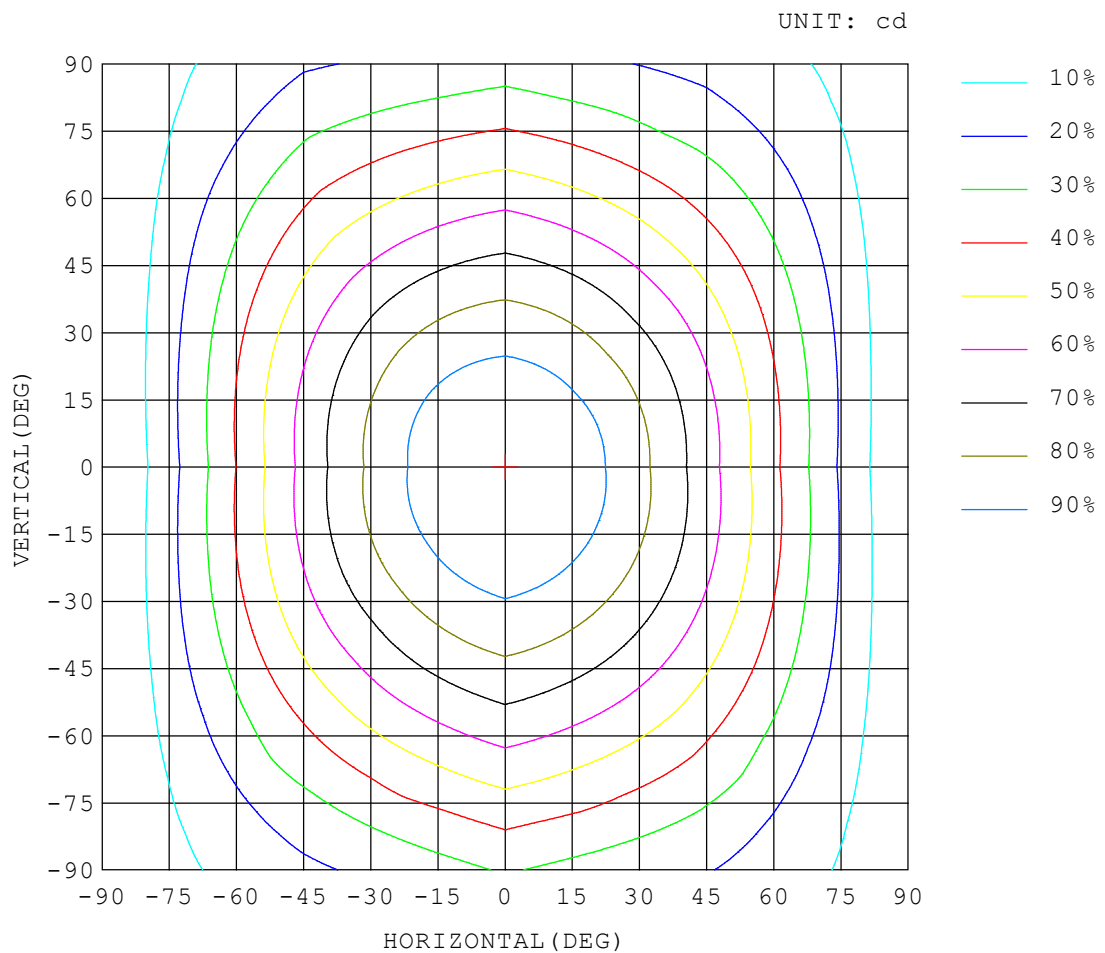
Test System:
 Temperature:25.3DEG
 Operators:
 Test Date:2023.09.18

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

ISOCANDELA DIAGRAM

Report number:

MANUFACTURER: ILUMEN GMBH			
Address:			
NAME: Emma		TYPE: IL-TL26-N01540-120	WEIGHT:
SPECIFICATION: 2835LED 120deg	CCT (K) : 4000	DIMENSION:	SERIAL No. :



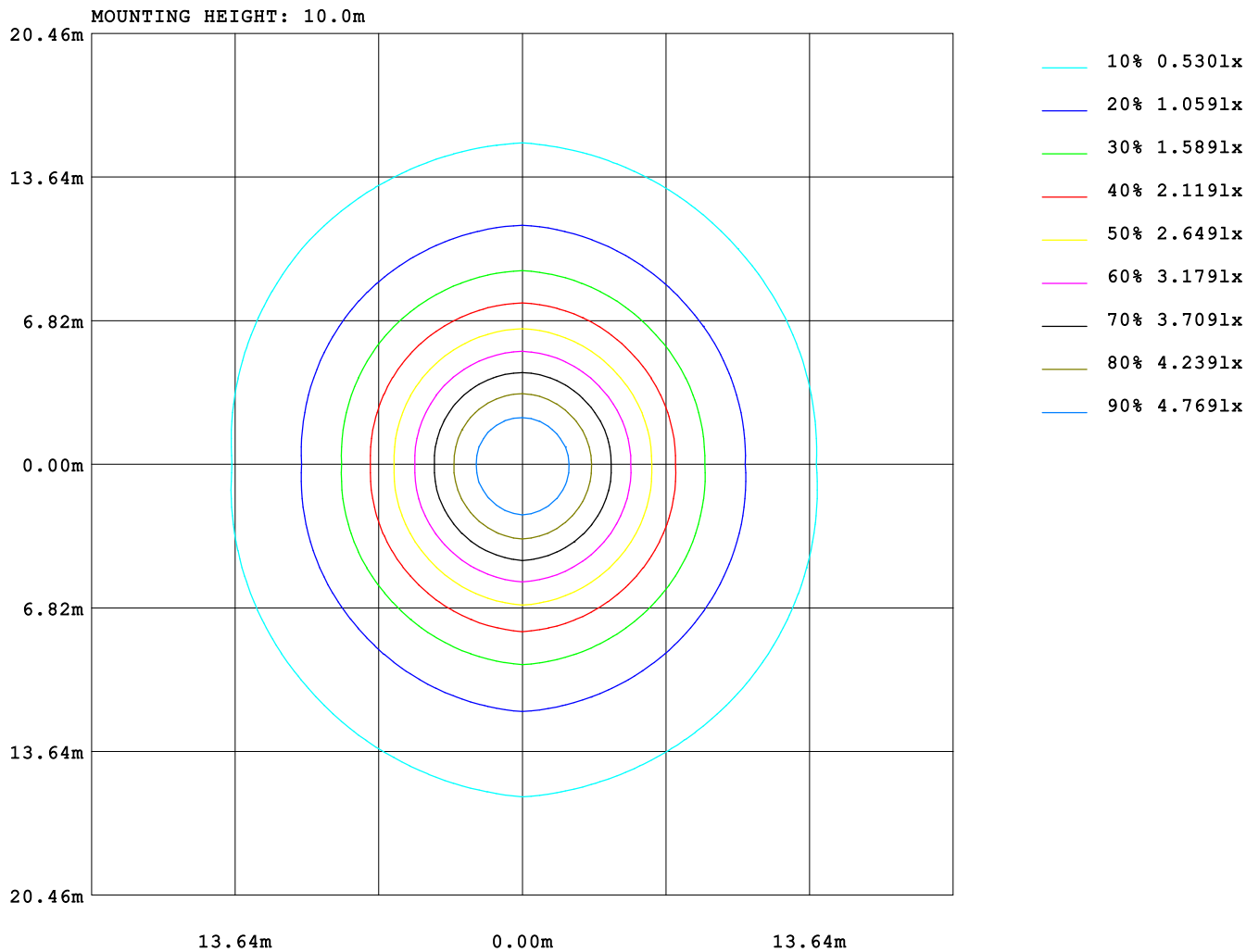
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ISOLUX DIAGRAM

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MANUFACTURER: ILUMEN GMBH			
Address:			
NAME: Emma		TYPE: IL-TL26-N01540-120	WEIGHT:
SPECIFICATION: 2835LED 120deg	CCT (K) : 4000	DIMENSION:	SERIAL No. :



Test System:
Temperature:25.3DEG
Operators:
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Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Report number:

MANUFACTURER: ILUMEN GMBH			
Address:			
NAME: Emma		TYPE: IL-TL26-N01540-120	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	530	529	529	528	530	529	529	528
5.0	527	528	528	526	527	526	525	525
10.0	519	522	524	520	518	519	518	516
15.0	506	511	517	509	504	507	507	504
20.0	487	496	506	494	485	490	493	487
25.0	465	478	492	474	461	471	476	466
30.0	437	456	475	451	433	448	457	443
35.0	407	431	456	426	402	422	435	416
40.0	375	404	435	397	368	393	411	386
45.0	339	375	411	366	332	364	385	356
50.0	301	345	387	335	294	332	359	323
55.0	263	313	361	302	254	300	331	290
60.0	223	281	333	268	213	269	302	258
65.0	182	251	305	236	170	237	274	226
70.0	140	220	277	205	127	206	244	195
75.0	98.9	190	247	180	86.7	178	215	166
80.0	61.9	160	218	144	51.3	148	188	137
85.0	33.7	133	191	118	23.9	123	159	112
90.0	18.5	110	164	94.3	11.7	100	134	90.0
95.0	14.3	88.9	137	74.8	9.71	79.8	111	70.8
100.0	12.6	70.2	114	57.6	8.79	62.2	90.5	54.4
105.0	11.2	54.0	93.6	41.5	8.04	41.2	72.0	34.9
110.0	10.1	33.1	67.8	26.2	7.45	30.9	48.1	26.1
115.0	9.29	25.3	50.2	18.9	6.95	21.7	36.6	18.0
120.0	7.79	17.1	38.4	12.1	5.61	14.4	26.2	12.1
125.0	7.45	10.4	28.3	7.62	5.86	9.80	17.4	9.46
130.0	7.37	7.03	19.6	6.78	6.19	9.04	10.3	8.79
135.0	7.37	6.95	12.3	6.70	6.53	8.71	7.53	8.62
140.0	7.37	7.03	9.88	6.78	6.61	8.54	7.53	8.54
145.0	7.37	7.12	9.46	6.86	6.78	8.46	7.45	8.54
150.0	7.37	7.12	9.13	6.95	6.95	8.37	7.37	8.37
155.0	7.37	7.12	8.87	7.03	7.12	8.20	7.28	8.20
160.0	7.37	7.03	8.62	7.03	7.20	8.12	7.20	7.95
165.0	7.53	6.86	8.46	7.03	7.28	8.04	7.20	7.70
170.0	7.53	6.78	8.20	7.03	7.37	7.87	7.12	7.62
175.0	7.62	6.78	7.95	7.03	7.53	7.70	7.03	7.62
180.0	7.70	7.20	7.79	7.28	7.87	7.70	7.03	7.70

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