

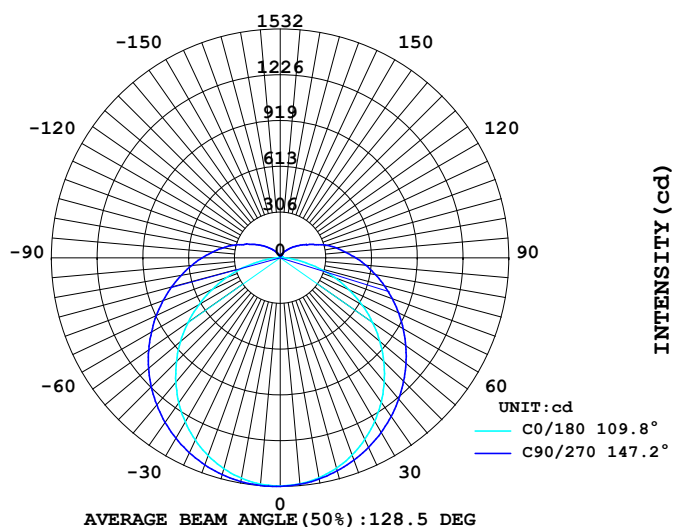
LUMINAIRE PHOTOMETRIC TEST REPORT

Report number:

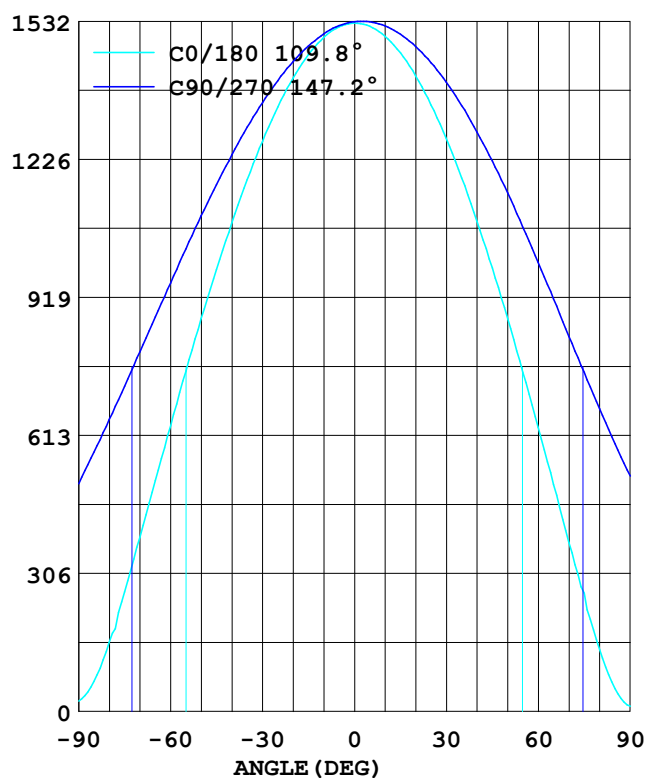
MANUFACTURER: ILUMEN GMBH			
Address:			
NAME: Ava		TYPE: IL-TL27-N05040-120	WEIGHT:
SPECIFICATION: 2835LED 120deg	CCT (K) : 4000	DIMENSION:	SERIAL No. :

DATA OF LAMP		Imax (cd)	1532	S/MH (C0/180)	1.24
MODEL		EFFICIENCY (%)	100.0	S/MH (C90/270)	1.32
NOMINAL POWER(W)	50	TOTAL FLUX(lm)	6023.3	Voltage(V)	231.1
RATED VOLTAGE (V)	232	EFFICIENCY (lm/W)	120.4	Current(A)	0.220
NOMINAL FLUX(lm)	6023.3	η up (%)	11.8	Power(W)	50.02
LAMPS QUANTITY	1	η down (%)	88.2	Power Factor (PF)	0.985
TEST VOLTAGE (V)	231.1	Effective Flux(lm)	5793.8	EEL	0.118

LUMINOUS INTENSITY DISTRIBUTION



LUMINOUS INTENSITY DISTRIBUTION



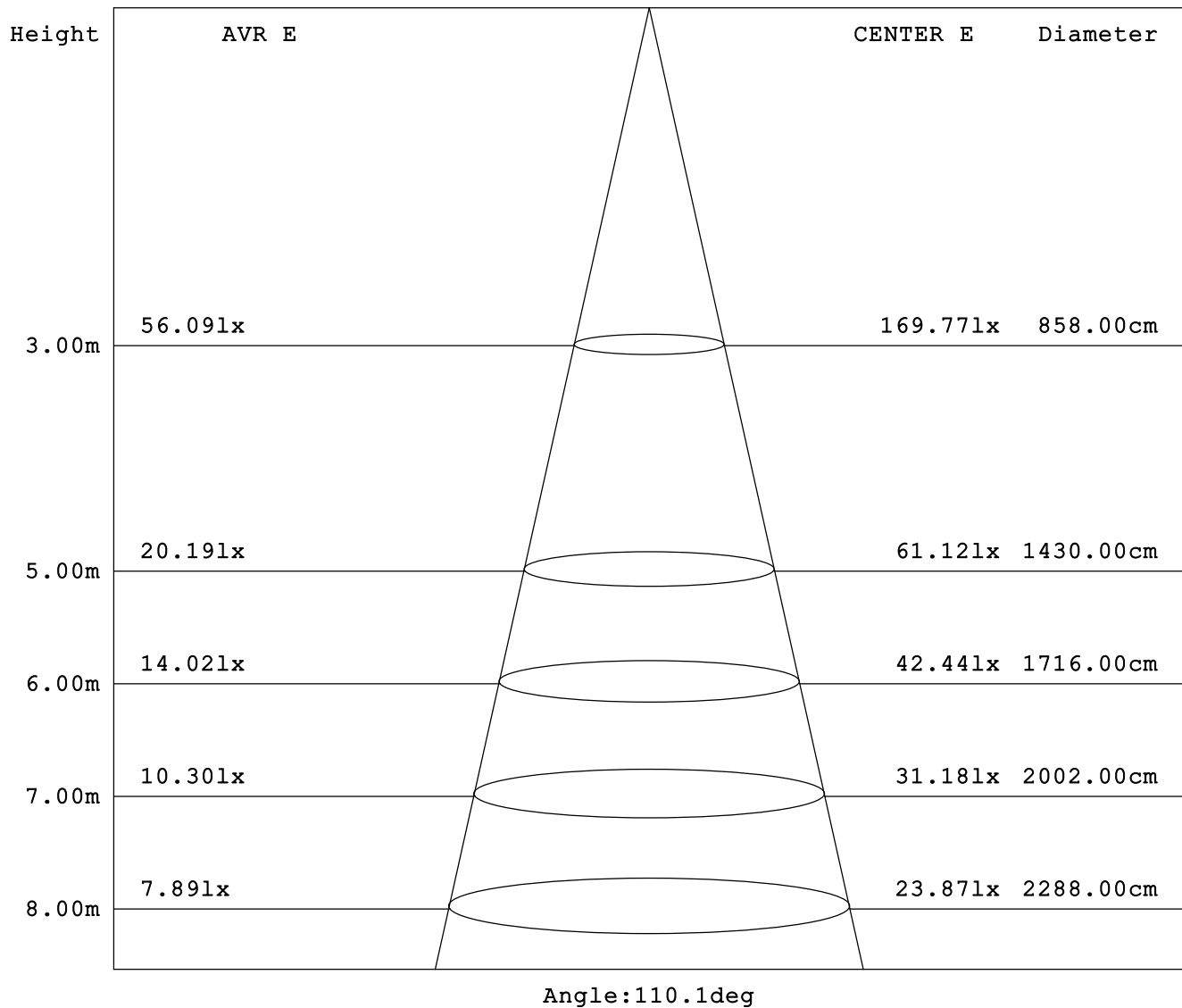
Test System:HOPOO
 Temperature:25.3DEG
 Operators:
 Test Date:2022.05.31

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			
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ZONAL FLUX DIAGRAM

Report number:

MANUFACTURER: ILUMEN GMBH			
Address:			
NAME: Ava		TYPE: IL-TL27-N05040-120	WEIGHT:
SPECIFICATION: 2835LED 120deg	CCT (K) : 4000	DIMENSION:	SERIAL No. :

γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Zone	total
5.0	1520	1519	1523	1517	1521	1527	1531	1527	0- 5	36.48	36.48
10.0	1496	1498	1504	1495	1498	1513	1522	1513	5- 10	108.3	144.8
15.0	1458	1465	1477	1460	1462	1488	1503	1487	10- 15	176.7	321.5
20.0	1407	1421	1443	1415	1411	1451	1476	1449	15- 20	239.7	561.3
25.0	1342	1369	1401	1360	1347	1404	1440	1401	20- 25	295.4	856.7
30.0	1266	1306	1351	1294	1272	1346	1397	1341	25- 30	342.2	1199
35.0	1181	1236	1297	1220	1184	1280	1345	1274	30- 35	378.9	1578
40.0	1085	1160	1236	1141	1087	1204	1286	1196	35- 40	404.7	1983
45.0	980.7	1078	1169	1055	984.5	1122	1222	1112	40- 45	419.2	2402
50.0	872.4	991.5	1101	964.2	871.8	1037	1151	1025	45- 50	422.7	2825
55.0	755.6	904.9	1027	873.7	752.6	947.2	1075	933.2	50- 55	415.2	3240
60.0	634.2	815.6	951.0	780.6	630.7	855.6	996.7	839.9	55- 60	397.8	3638
65.0	512.5	727.4	875.6	688.9	503.5	766.2	915.4	749.0	60- 65	371.8	4010
70.0	387.1	643.7	798.2	602.4	375.1	676.7	832.3	657.9	65- 70	338.8	4349
75.0	265.4	561.7	721.4	518.3	262.7	590.9	752.7	570.7	70- 75	300.7	4649
80.0	154.0	484.0	648.1	440.0	137.3	511.7	671.6	491.0	75- 80	259.4	4909
85.0	66.11	413.4	575.5	369.3	50.86	436.6	594.3	416.0	80- 85	218.8	5128
90.0	23.21	348.0	505.9	305.3	11.72	368.9	522.9	348.8	85- 90	182.5	5310
95.0	15.47	291.3	442.5	251.5	8.079	309.8	454.3	291.1	90- 95	153.6	5464
100.0	13.99	246.3	383.0	201.2	8.193	256.3	390.3	238.7	95-100	128.9	5593
105.0	13.31	181.0	325.9	146.7	8.534	190.8	330.4	175.3	100-105	103.6	5696
110.0	13.08	133.7	259.3	110.3	9.103	146.6	263.0	132.9	105-110	79.67	5776
115.0	13.08	109.1	217.4	86.59	9.444	118.2	217.3	107.1	110-115	61.56	5838
120.0	13.08	86.93	176.6	68.61	10.01	95.13	177.2	86.48	115-120	48.13	5886
125.0	13.19	69.29	143.4	54.16	10.46	77.15	142.0	70.32	120-125	37.34	5923
130.0	13.42	55.53	114.3	44.15	10.92	62.47	112.7	57.92	125-130	28.50	5952
135.0	13.65	44.49	89.55	35.61	11.49	50.52	85.34	47.22	130-135	21.45	5973
140.0	13.76	34.70	69.18	28.44	11.83	40.62	66.34	36.64	135-140	15.71	5989
145.0	13.99	26.39	52.45	23.09	12.28	32.31	49.72	28.78	140-145	11.23	6000
150.0	14.11	21.05	39.37	19.11	12.74	26.05	36.64	24.01	145-150	7.924	6008
155.0	14.22	17.52	29.81	16.38	13.08	21.62	26.85	20.59	150-155	5.575	6014
160.0	14.33	15.24	23.09	14.67	13.42	18.43	20.36	18.09	155-160	3.894	6017
165.0	14.45	13.99	19.00	13.76	13.76	16.49	16.15	16.38	160-165	2.690	6020
170.0	14.45	13.42	16.84	13.54	13.99	15.58	14.11	15.58	165-170	1.786	6022
175.0	14.45	13.31	15.93	13.54	14.11	15.24	13.54	15.13	170-175	1.040	6023
180.0	14.45	13.42	15.58	13.76	14.45	15.02	13.76	15.02	175-180	0.345	6023
DEG	LUMINOUS INTENSITY:cd									UNIT:lm	

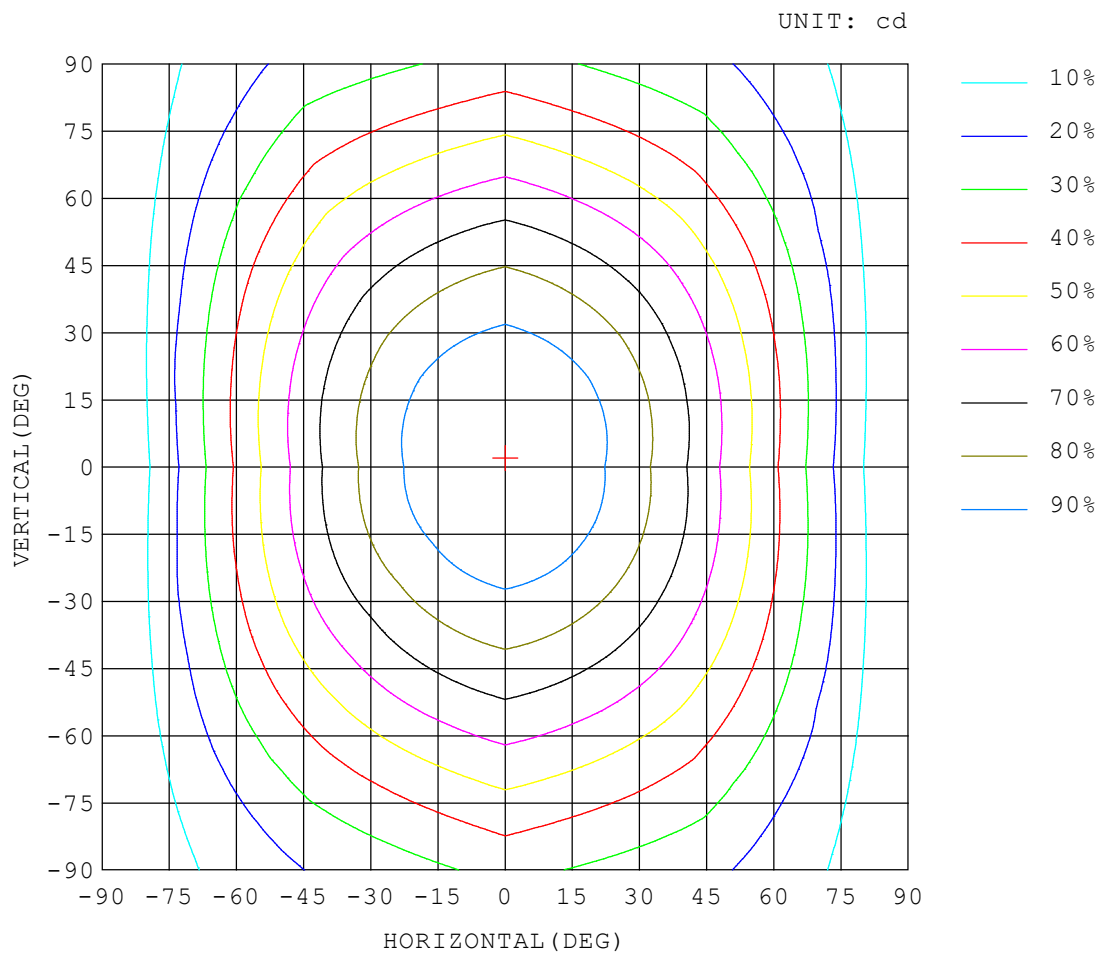
Test System:HOPOO
Temperature:25.3DEG
Operators:
Test Date:2022.05.31

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: Ava		TYPE: IL-TL27-N05040-120	WEIGHT:
SPECIFICATION: 2835LED 120deg	CCT (K) : 4000	DIMENSION:	SERIAL No. :



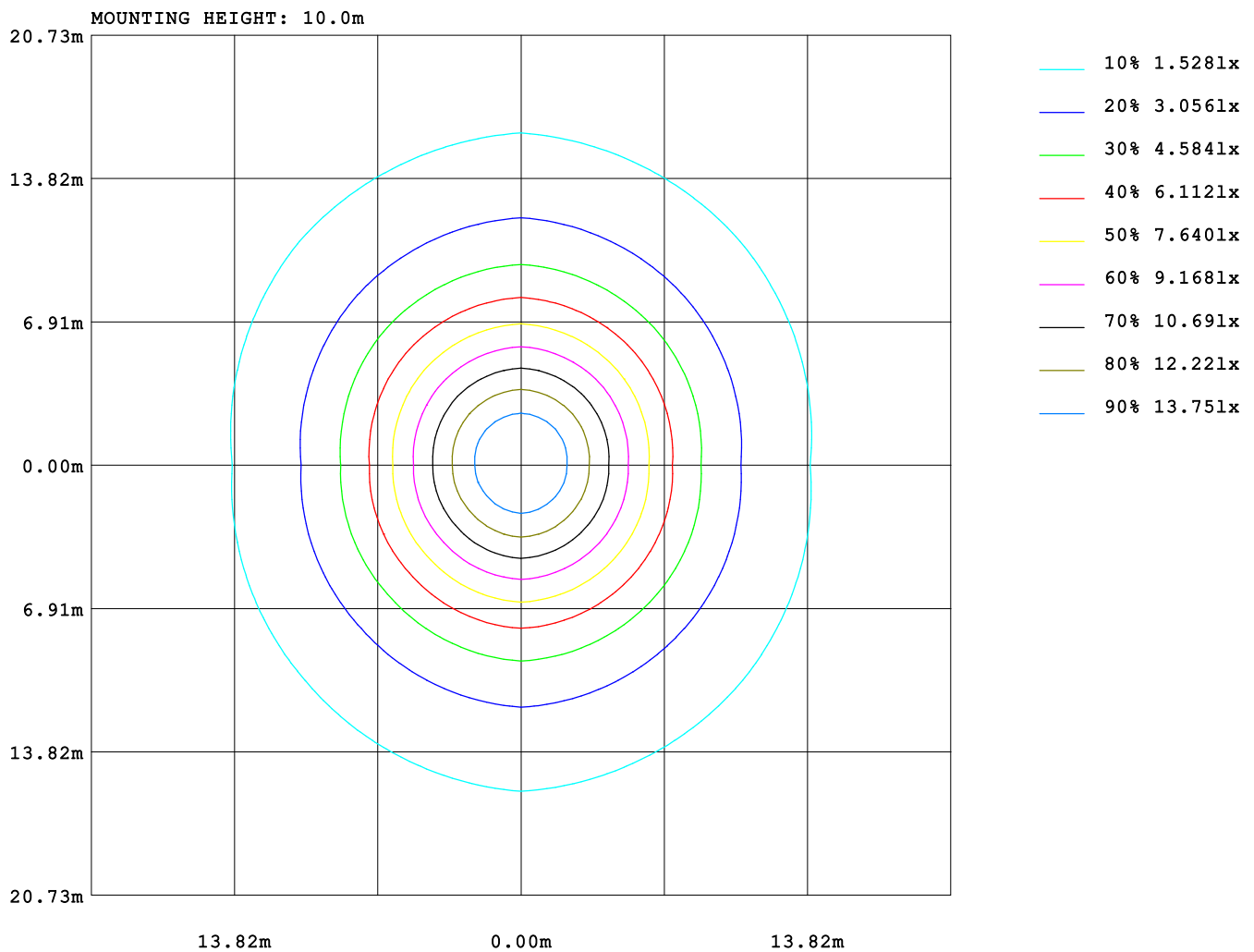
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ISOLUX DIAGRAM

Report number:

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Address:			
NAME: Ava		TYPE: IL-TL27-N05040-120	WEIGHT:
SPECIFICATION: 2835LED 120deg	CCT (K) : 4000	DIMENSION:	SERIAL No. :



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Temperature:25.3DEG
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LUMINOUS DISTRIBUTION INTENSITY DATA

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MANUFACTURER: ILUMEN GMBH			
Address:			
NAME: Ava		TYPE: IL-TL27-N05040-120	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	1528	1529	1531	1528	1528	1529	1531	1528
5.0	1520	1519	1523	1517	1521	1527	1531	1527
10.0	1496	1498	1504	1495	1498	1513	1522	1513
15.0	1458	1465	1477	1460	1462	1488	1503	1487
20.0	1407	1421	1443	1415	1411	1451	1476	1449
25.0	1342	1369	1401	1360	1347	1404	1440	1401
30.0	1266	1306	1351	1294	1272	1346	1397	1341
35.0	1181	1236	1297	1220	1184	1280	1345	1274
40.0	1085	1160	1236	1141	1087	1204	1286	1196
45.0	981	1078	1169	1055	985	1122	1222	1112
50.0	872	992	1101	964	872	1037	1151	1025
55.0	756	905	1027	874	753	947	1075	933
60.0	634	816	951	781	631	856	997	840
65.0	513	727	876	689	504	766	915	749
70.0	387	644	798	602	375	677	832	658
75.0	265	562	721	518	263	591	753	571
80.0	154	484	648	440	137	512	672	491
85.0	66.1	413	576	369	50.8	437	594	416
90.0	23.2	348	506	305	11.7	369	523	349
95.0	15.4	291	443	252	8.07	310	454	291
100.0	13.9	246	383	201	8.19	256	390	239
105.0	13.3	181	326	147	8.53	191	330	175
110.0	13.0	134	259	110	9.10	147	263	133
115.0	13.0	109	217	86.5	9.44	118	217	107
120.0	13.0	86.9	177	68.6	10.0	95.1	177	86.4
125.0	13.1	69.2	143	54.1	10.4	77.1	142	70.3
130.0	13.4	55.5	114	44.1	10.9	62.4	113	57.9
135.0	13.6	44.4	89.5	35.6	11.4	50.5	85.3	47.2
140.0	13.7	34.7	69.1	28.4	11.8	40.6	66.3	36.6
145.0	13.9	26.3	52.4	23.0	12.2	32.3	49.7	28.7
150.0	14.1	21.0	39.3	19.1	12.7	26.0	36.6	24.0
155.0	14.2	17.5	29.8	16.3	13.0	21.6	26.8	20.5
160.0	14.3	15.2	23.0	14.6	13.4	18.4	20.3	18.0
165.0	14.4	13.9	19.0	13.7	13.7	16.4	16.1	16.3
170.0	14.4	13.4	16.8	13.5	13.9	15.5	14.1	15.5
175.0	14.4	13.3	15.9	13.5	14.1	15.2	13.5	15.1
180.0	14.4	13.4	15.5	13.7	14.4	15.0	13.7	15.0

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