

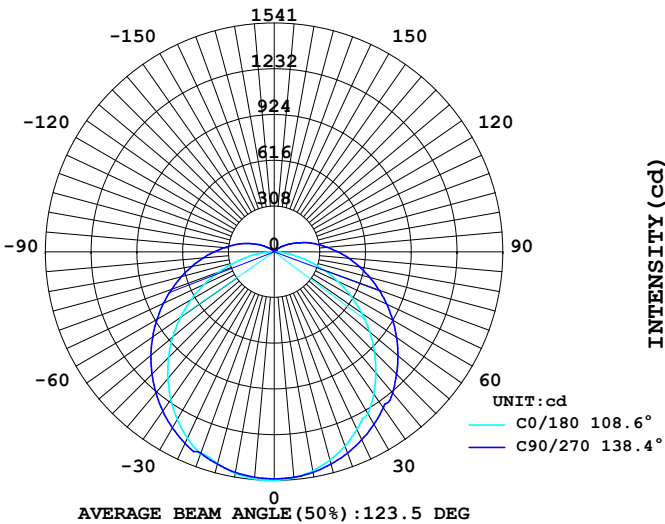
LUMINAIRE PHOTOMETRIC TEST REPORT

Report number:

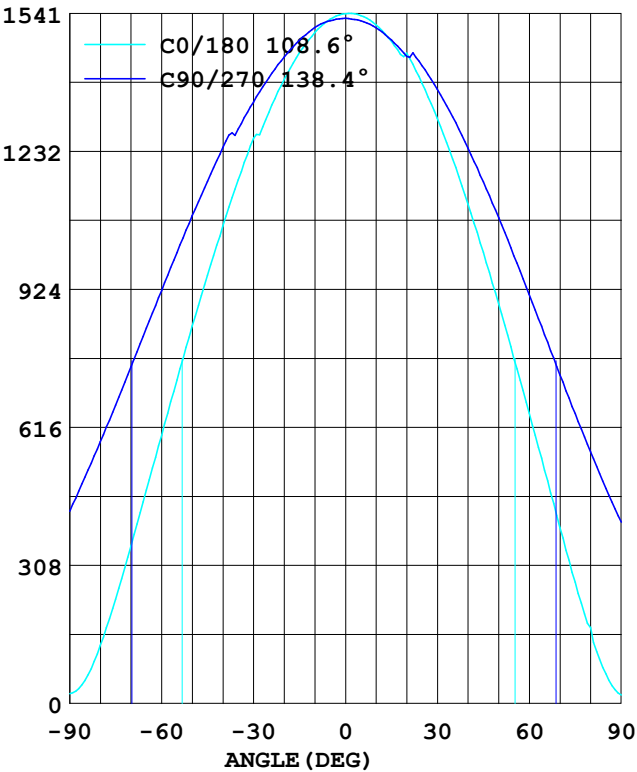
MANUFACTURER: ILUMEN GMBH			
Address:			
NAME: Emma		TYPE: IL-TL26-N04340-120	WEIGHT:
SPECIFICATION: 2835 LED 120deg	CCT (K) : 4000	DIMENSION:	SERIAL No.:

DATA OF LAMP		Imax (cd)	1541	S/MH (C0/180)	1.22
MODEL		EFFICIENCY (%)	100.0	S/MH (C90/270)	1.31
NOMINAL POWER(W)	43	TOTAL FLUX(lm)	5549.9	Voltage(V)	230.6
RATED VOLTAGE (V)	230	EFFICIENCY (lm/W)	129.5	Current(A)	0.190
NOMINAL FLUX(lm)	5550.0	η up (%)	8.2	Power(W)	42.84
LAMPS QUANTITY	1	η down (%)	91.8	Power Factor (PF)	0.979
TEST VOLTAGE (V)	230.6	Effective Flux(lm)	5550.0	EEl	0.105

LUMINOUS INTENSITY DISTRIBUTION



LUMINOUS INTENSITY DISTRIBUTION



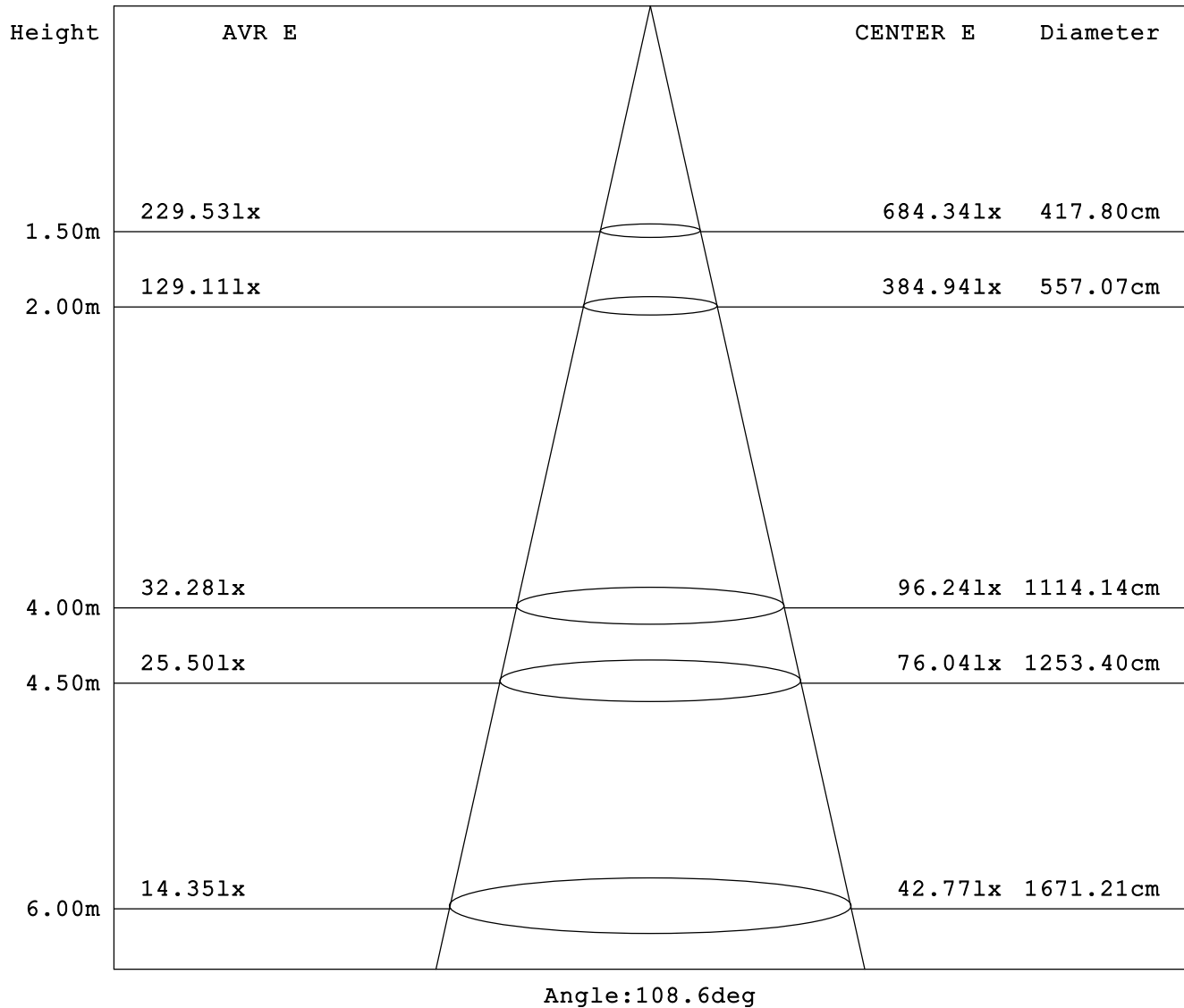
Test System:
Temperature:25.3DEG
Operators:
Test Date:2024.03.12

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			
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NAME: Emma		TYPE: IL-TL26-N04340-120	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:

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Address:			
NAME: Emma		TYPE: IL-TL26-N04340-120	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	1527	1524	1524	1513	1535	1527	1524	1514	0- 5	36.50	36.50
10.0	1498	1502	1509	1492	1515	1510	1508	1494	5- 10	108.2	144.7
15.0	1452	1467	1480	1458	1478	1478	1481	1460	10- 15	176.3	321.1
20.0	1393	1445	1443	1436	1451	1433	1444	1413	15- 20	238.8	559.9
25.0	1319	1387	1397	1379	1384	1377	1423	1355	20- 25	294.8	854.8
30.0	1261	1318	1342	1309	1306	1310	1371	1286	25- 30	340.2	1195
35.0	1169	1240	1282	1229	1215	1261	1309	1235	30- 35	376.2	1571
40.0	1066	1158	1241	1145	1114	1179	1239	1151	35- 40	401.2	1973
45.0	955.6	1067	1165	1052	1007	1088	1165	1060	40- 45	413.0	2386
50.0	842.3	972.4	1089	955.0	891.5	991.8	1084	962.5	45- 50	412.9	2799
55.0	721.8	877.3	1006	856.9	770.0	895.6	999.2	865.1	50- 55	401.6	3200
60.0	598.0	781.7	921.4	757.8	648.1	797.1	912.8	766.8	55- 60	380.5	3581
65.0	476.0	687.3	837.5	660.7	520.7	701.9	822.8	672.1	60- 65	351.2	3932
70.0	351.4	598.4	751.2	569.4	392.9	607.1	733.4	578.5	65- 70	315.0	4247
75.0	232.6	511.9	665.5	481.1	270.5	517.2	647.1	489.8	70- 75	274.0	4521
80.0	129.7	431.0	584.4	399.0	169.0	435.4	561.1	409.4	75- 80	231.2	4752
85.0	51.23	358.3	504.8	326.1	66.36	358.3	479.5	334.6	80- 85	189.1	4942
90.0	21.62	292.0	429.2	260.8	18.91	288.5	405.0	267.6	85- 90	151.9	5093
95.0	17.69	232.4	361.0	202.7	14.12	228.2	336.5	210.0	90- 95	122.4	5216
100.0	15.34	180.4	296.8	154.3	12.34	174.4	274.6	158.8	95-100	97.21	5313
105.0	13.55	124.5	238.6	106.8	10.91	116.1	217.6	102.9	100-105	73.76	5387
110.0	12.13	88.63	179.9	68.43	9.776	78.14	159.8	70.64	105-110	52.01	5439
115.0	11.06	59.08	136.6	42.95	8.920	51.73	117.3	46.09	110-115	35.99	5475
120.0	10.20	34.03	97.97	21.76	8.277	29.82	81.92	25.47	115-120	23.54	5498
125.0	9.633	16.41	65.79	11.63	7.992	16.12	51.73	15.48	120-125	14.27	5513
130.0	9.491	11.91	38.03	11.20	8.135	14.91	27.54	14.48	125-130	8.875	5522
135.0	9.705	11.48	18.76	11.06	8.706	14.27	14.77	13.77	130-135	5.866	5527
140.0	9.990	11.13	16.91	11.13	9.277	13.91	14.12	13.20	135-140	4.667	5532
145.0	10.34	11.13	15.98	11.20	9.776	13.48	13.55	12.91	140-145	4.130	5536
150.0	10.70	11.20	15.27	11.20	10.41	13.13	13.13	12.70	145-150	3.610	5540
155.0	11.13	11.06	14.55	11.27	10.98	12.84	12.63	12.41	150-155	3.079	5543
160.0	11.48	11.13	13.91	11.34	11.48	12.55	12.20	12.27	155-160	2.533	5545
165.0	11.84	11.13	13.34	11.27	11.91	12.34	11.84	12.06	160-165	1.979	5547
170.0	12.27	11.13	12.98	11.34	12.27	12.27	11.63	11.98	165-170	1.422	5549
175.0	12.63	11.20	12.63	11.34	12.55	12.13	11.20	11.98	170-175	0.857	5550
180.0	12.84	12.41	12.13	12.77	12.84	13.13	11.27	13.27	175-180	0.290	5550
DEG	LUMINOUS INTENSITY:cd									UNIT:lm	

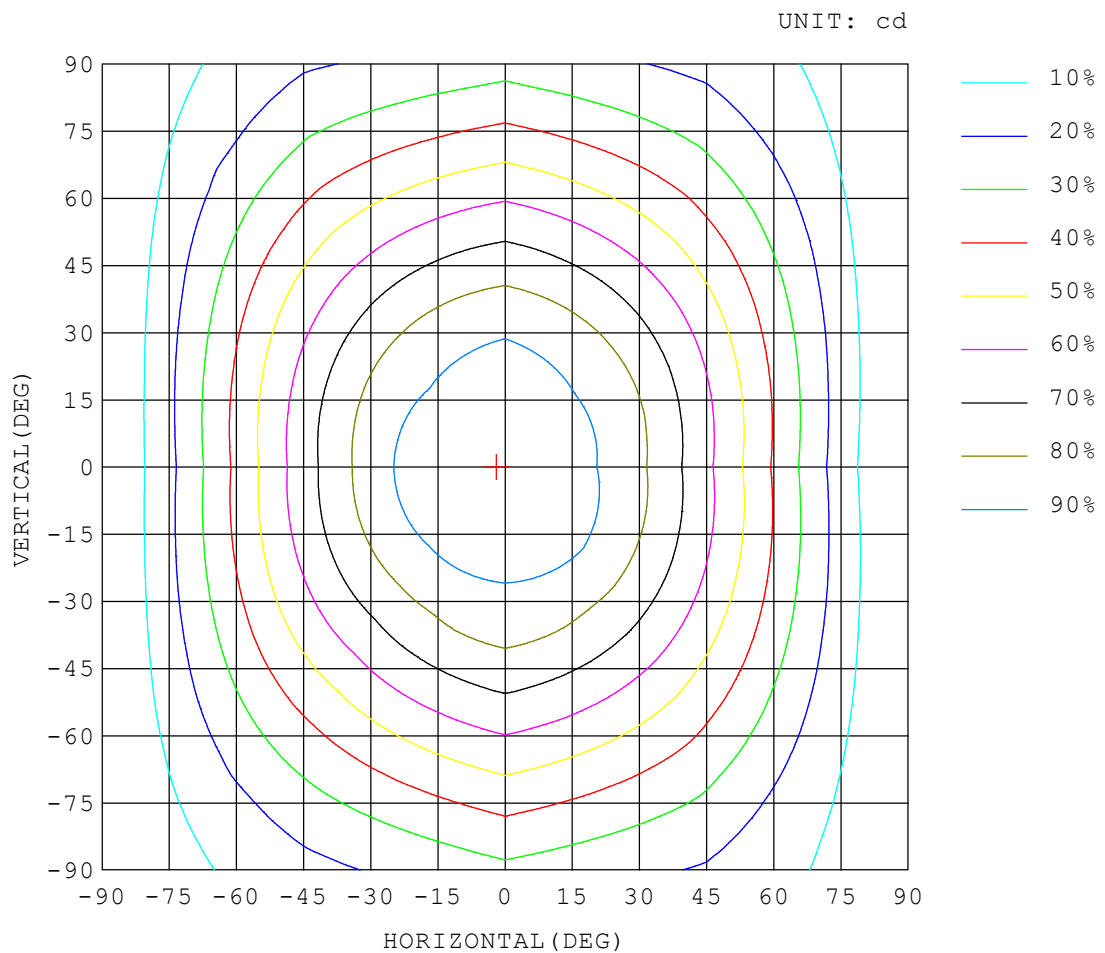
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 Operators:
 Test Date:2024.03.12

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 Humidity:65.0%
 Test Distance:10.000 m
 Remarks:

ISOCANDELA DIAGRAM

Report number:

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Address:			
NAME: Emma		TYPE: IL-TL26-N04340-120	WEIGHT:
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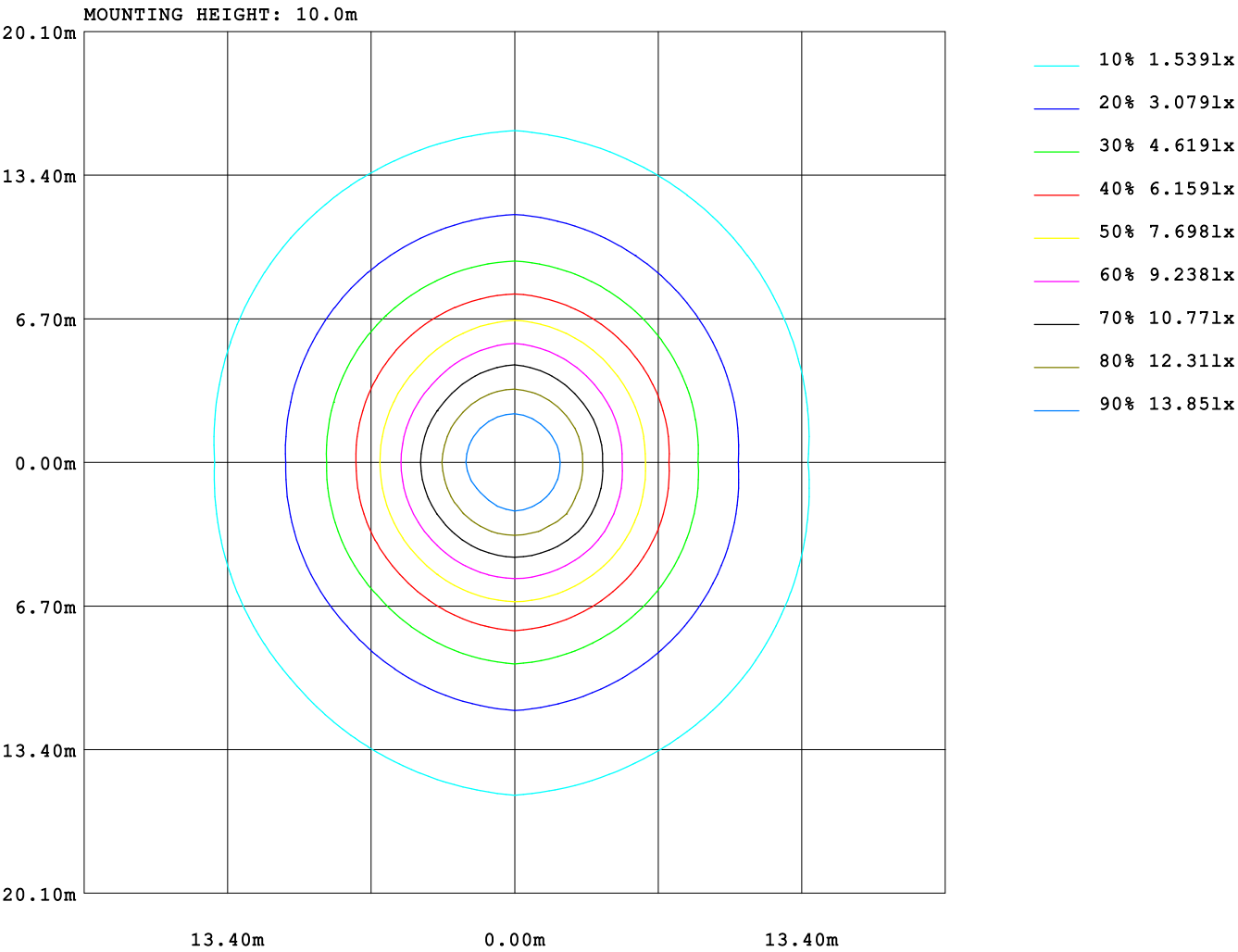
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ISOLUX DIAGRAM

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Address:			
NAME: Emma		TYPE: IL-TL26-N04340-120	WEIGHT:
SPECIFICATION: 2835 LED 120deg	CCT (K) : 4000	DIMENSION:	SERIAL No. :



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Temperature:25.3DEG
Operators:
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LUMINOUS DISTRIBUTION INTENSITY DATA

Report number:

MANUFACTURER: ILUMEN GMBH			
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NAME: Emma		TYPE: IL-TL26-N04340-120	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	1540	1532	1529	1521	1540	1532	1529	1521
5.0	1527	1524	1524	1513	1535	1527	1524	1514
10.0	1498	1502	1509	1492	1515	1510	1508	1494
15.0	1452	1467	1480	1458	1478	1478	1481	1460
20.0	1393	1445	1443	1436	1451	1433	1444	1413
25.0	1319	1387	1397	1379	1384	1377	1423	1355
30.0	1261	1318	1342	1309	1306	1310	1371	1286
35.0	1169	1240	1282	1229	1215	1261	1309	1235
40.0	1066	1158	1241	1145	1114	1179	1239	1151
45.0	956	1067	1165	1052	1007	1088	1165	1060
50.0	842	972	1089	955	892	992	1084	963
55.0	722	877	1006	857	770	896	999	865
60.0	598	782	921	758	648	797	913	767
65.0	476	687	838	661	521	702	823	672
70.0	351	598	751	569	393	607	733	579
75.0	233	512	666	481	271	517	647	490
80.0	130	431	584	399	169	435	561	409
85.0	51.2	358	505	326	66.3	358	480	335
90.0	21.6	292	429	261	18.9	289	405	268
95.0	17.6	232	361	203	14.1	228	337	210
100.0	15.3	180	297	154	12.3	174	275	159
105.0	13.5	125	239	107	10.9	116	218	103
110.0	12.1	88.6	180	68.4	9.77	78.1	160	70.6
115.0	11.0	59.0	137	42.9	8.92	51.7	117	46.0
120.0	10.2	34.0	97.9	21.7	8.27	29.8	81.9	25.4
125.0	9.63	16.4	65.7	11.6	7.99	16.1	51.7	15.4
130.0	9.49	11.9	38.0	11.2	8.13	14.9	27.5	14.4
135.0	9.70	11.4	18.7	11.0	8.70	14.2	14.7	13.7
140.0	9.99	11.1	16.9	11.1	9.27	13.9	14.1	13.2
145.0	10.3	11.1	15.9	11.2	9.77	13.4	13.5	12.9
150.0	10.7	11.2	15.2	11.2	10.4	13.1	13.1	12.7
155.0	11.1	11.0	14.5	11.2	10.9	12.8	12.6	12.4
160.0	11.4	11.1	13.9	11.3	11.4	12.5	12.2	12.2
165.0	11.8	11.1	13.3	11.2	11.9	12.3	11.8	12.0
170.0	12.2	11.1	12.9	11.3	12.2	12.2	11.6	11.9
175.0	12.6	11.2	12.6	11.3	12.5	12.1	11.2	11.9
180.0	12.8	12.4	12.1	12.7	12.8	13.1	11.2	13.2

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