

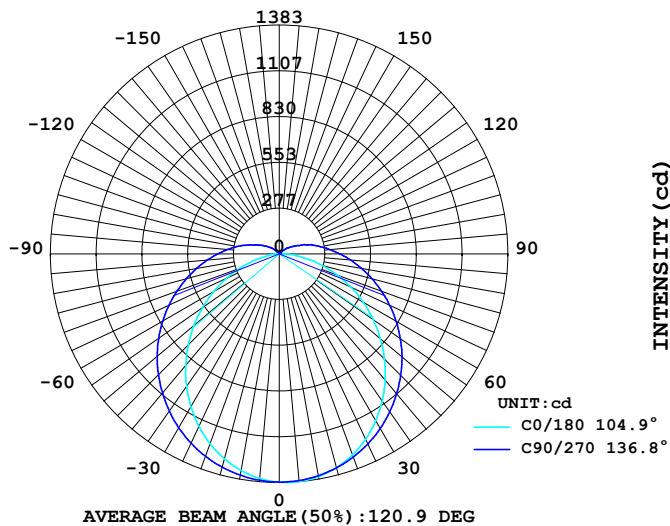
LUMINAIRE PHOTOMETRIC TEST REPORT

Report number:

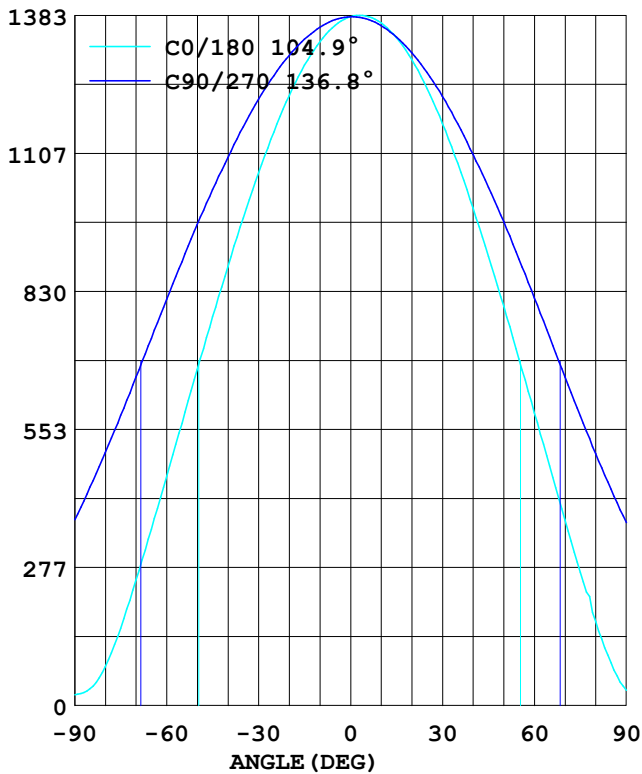
MANUFACTURER: ILUMEN GMBH	Address:	
NAME: IL-TL15-N04040-120	TYPE: 4000K	WEIGHT:
SPECIFICATION:	DIMENSION:	SERIAL No.:

DATA OF LAMP		Imax (cd)	1383	S/MH (C0/180)	1.16
MODEL		EFFICIENCY (%)	100.0	S/MH (C90/270)	1.31
NOMINAL POWER(W)	32	TOTAL FLUX(lm)	4947.0	Voltage(V)	230.1
RATED VOLTAGE (V)	230	EFFICIENCY (lm/W)	155.0	Current(A)	0.145
NOMINAL FLUX(lm)	4947.1	η up (%)	8.9	Power(W)	31.91
LAMPS QUANTITY	1	η down (%)	91.1	Power Factor (PF)	0.943
TEST VOLTAGE (V)	230.2	Effective Flux(lm)	4765.9	EEI	0.091

LUMINOUS INTENSITY DISTRIBUTION



LUMINOUS INTENSITY DISTRIBUTION



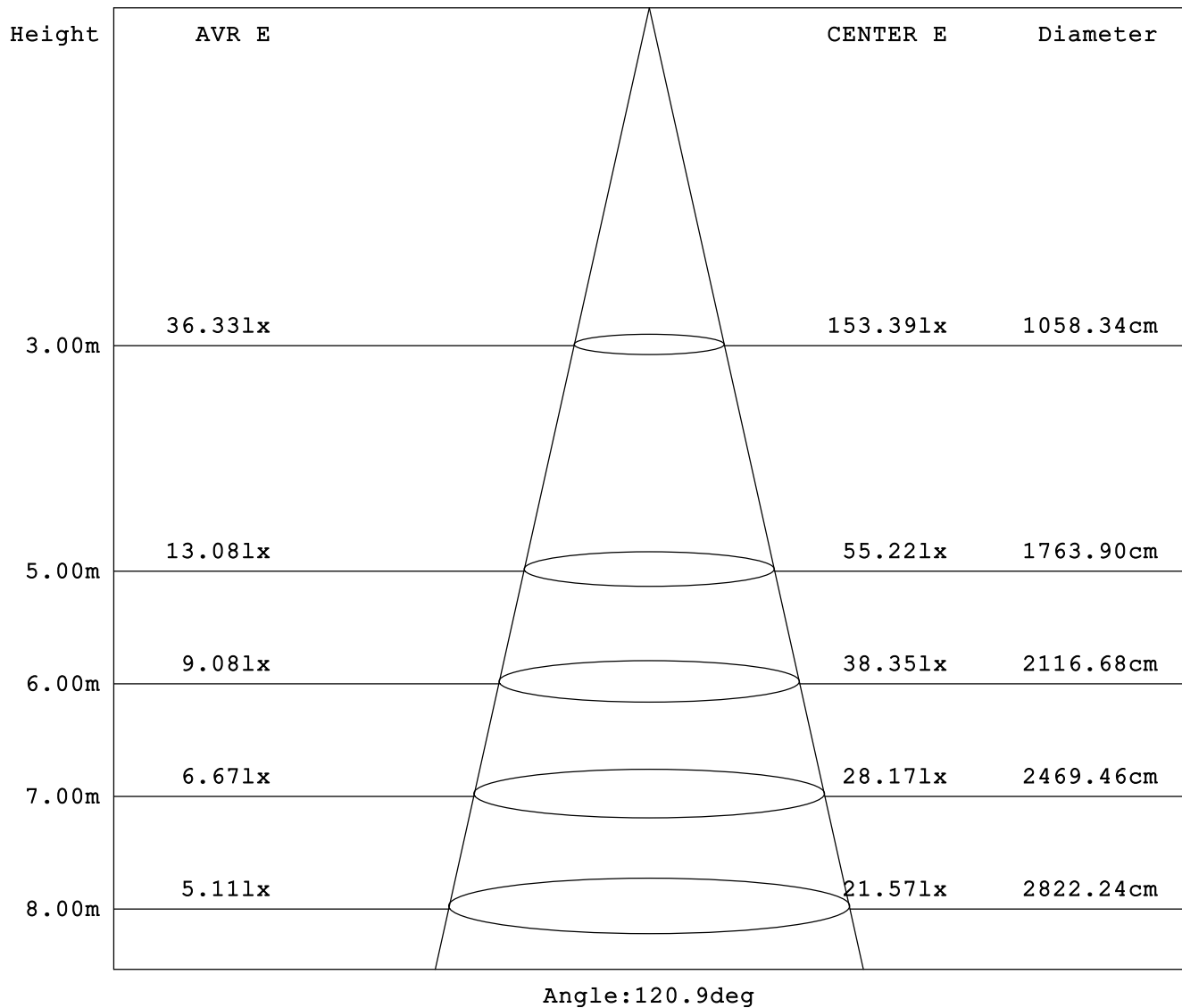
Test System:
 Temperature: 25.3 DEG
 Operators:
 Test Date: 2024.12.25

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: IL-TL15-N04040-120	TYPE: 4000K	WEIGHT:
SPECIFICATION:	DIMENSION:	SERIAL No.:



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Operators:
Test Date: 2024.12.25

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Remarks:

ZONAL FLUX DIAGRAM

Report number:

MANUFACTURER: ILUMEN GMBH	Address:	
NAME: IL-TL15-N04040-120	TYPE: 4000K	WEIGHT:
SPECIFICATION:	DIMENSION:	SERIAL No.:

γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Zone	total
5.0	1363	1369	1375	1368	1382	1379	1376	1374	0- 5	32.90	32.90
10.0	1330	1346	1359	1346	1368	1366	1363	1358	5- 10	97.57	130.4
15.0	1283	1310	1336	1312	1338	1341	1340	1329	10- 15	158.8	289.3
20.0	1222	1265	1303	1267	1295	1304	1309	1288	15- 20	214.6	504.0
25.0	1149	1210	1263	1211	1237	1256	1269	1236	20- 25	263.3	767.3
30.0	1068	1145	1216	1146	1166	1200	1221	1176	25- 30	303.2	1071
35.0	976.8	1075	1160	1074	1087	1134	1166	1106	30- 35	333.4	1404
40.0	879.2	997.6	1098	994.7	997.0	1061	1104	1029	35- 40	353.2	1757
45.0	779.1	916.7	1034	912.3	900.1	982.6	1039	947.2	40- 45	362.6	2120
50.0	673.3	832.8	964.1	824.4	800.4	899.5	969.9	860.4	45- 50	361.8	2482
55.0	565.9	748.9	889.9	737.7	694.8	815.2	895.0	773.8	50- 55	351.8	2834
60.0	459.8	667.1	814.2	653.6	586.8	732.3	816.9	689.4	55- 60	333.3	3167
65.0	352.9	585.6	735.7	569.6	480.4	647.9	738.6	604.3	60- 65	307.7	3475
70.0	252.1	507.3	658.9	489.2	371.6	565.8	658.4	522.4	65- 70	276.3	3751
75.0	154.2	435.4	581.3	415.7	266.5	489.0	580.0	446.7	70- 75	241.2	3992
80.0	78.05	367.1	507.1	346.3	168.3	415.0	504.9	374.9	75- 80	204.8	4197
85.0	33.57	305.1	438.0	284.0	85.58	347.2	433.7	310.0	80- 85	169.2	4366
90.0	21.42	250.1	372.3	229.3	30.78	287.1	366.7	253.1	85- 90	138.0	4504
95.0	19.00	206.1	312.9	180.8	16.40	232.3	308.8	202.0	90- 95	112.2	4617
100.0	17.56	153.1	261.3	135.1	15.05	184.5	255.3	157.0	95-100	90.01	4707
105.0	16.30	109.2	208.3	96.87	14.08	142.9	207.8	120.4	100-105	69.61	4776
110.0	15.14	79.12	158.8	65.80	13.21	101.4	164.6	78.44	105-110	51.99	4828
115.0	14.18	58.18	126.2	46.21	12.44	66.57	120.0	54.32	110-115	36.65	4865
120.0	13.31	40.62	96.58	30.39	11.67	47.08	89.54	36.37	115-120	26.21	4891
125.0	12.54	25.66	70.82	17.65	10.99	29.42	64.26	21.90	120-125	17.78	4909
130.0	11.86	13.50	48.63	10.51	10.42	16.49	41.58	13.89	125-130	11.28	4920
135.0	11.38	10.03	29.23	9.841	9.938	13.21	23.06	12.83	130-135	7.143	4927
140.0	10.80	9.455	15.34	9.455	9.552	12.15	10.42	11.77	135-140	4.762	4932
145.0	10.42	9.166	13.79	9.069	9.166	11.28	9.552	10.90	140-145	3.578	4936
150.0	10.13	9.166	12.92	8.877	8.973	10.80	9.262	10.61	145-150	3.016	4939
155.0	10.13	9.166	12.25	8.973	8.587	10.42	8.973	10.51	150-155	2.523	4941
160.0	10.22	9.166	11.67	9.069	9.069	10.32	8.877	10.42	155-160	2.064	4943
165.0	10.32	9.166	11.38	9.166	9.455	10.32	8.877	10.32	160-165	1.623	4945
170.0	10.42	9.359	11.19	9.359	9.745	10.42	9.069	10.32	165-170	1.177	4946
175.0	10.42	9.455	11.09	9.552	10.03	10.42	9.262	10.42	170-175	0.718	4947
180.0	10.32	9.552	10.61	9.455	10.42	10.61	9.455	10.32	175-180	0.241	4947
DEG	LUMINOUS INTENSITY:cd									UNIT:lm	

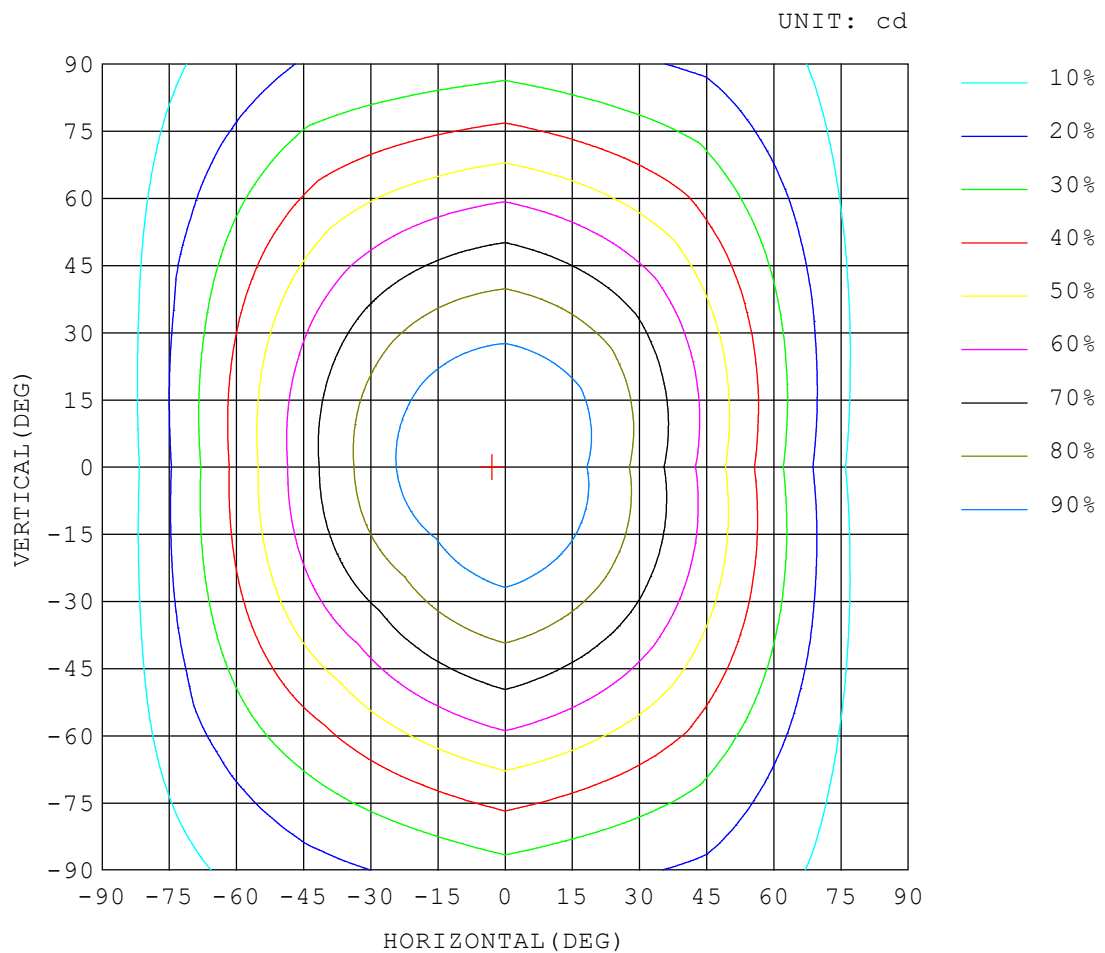
Test System:
Temperature:25.3DEG
Operators:
Test Date:2024.12.25

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: IL-TL15-N04040-120	TYPE: 4000K	WEIGHT:
SPECIFICATION:	DIMENSION:	SERIAL No.:



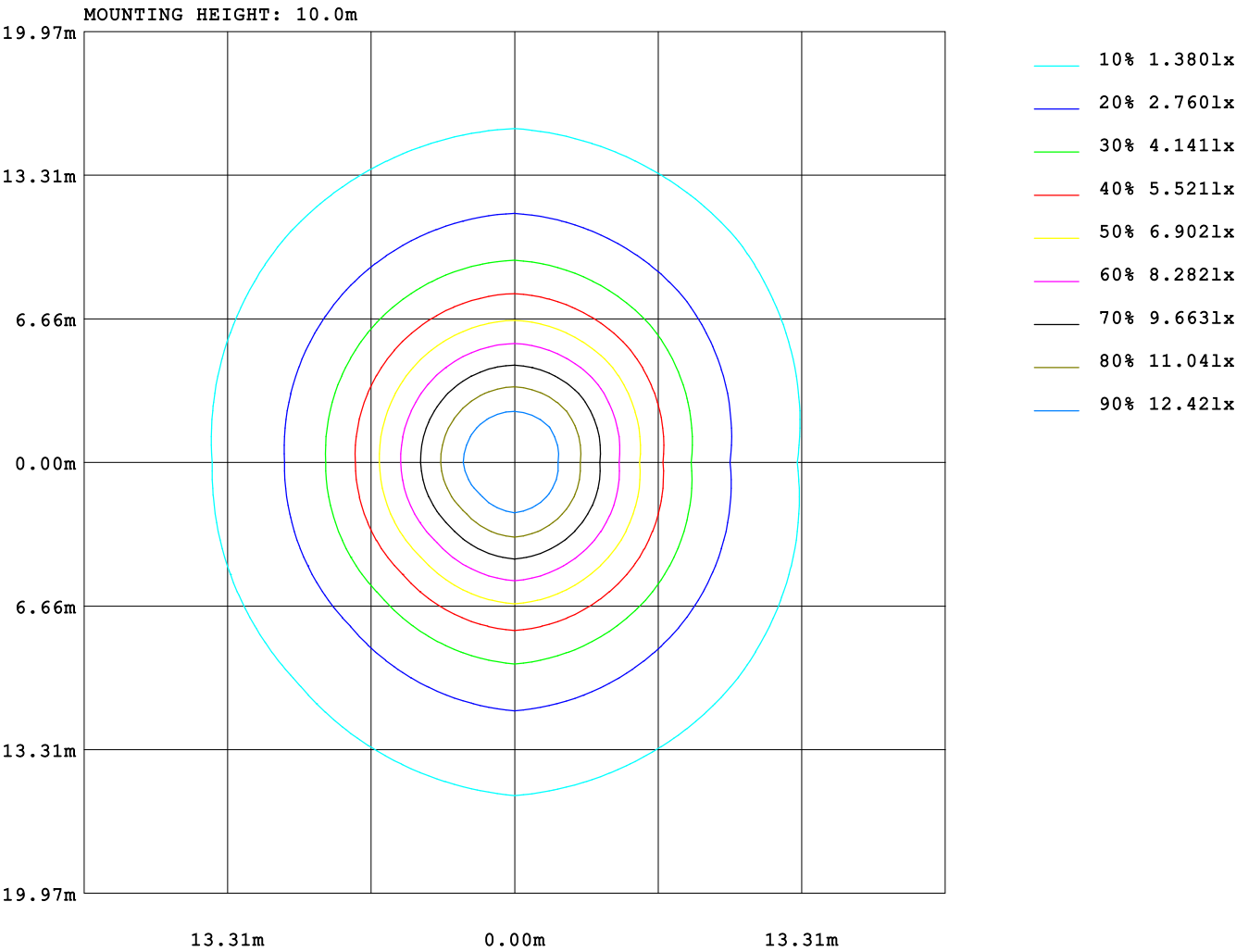
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Remarks:

ISOLUX DIAGRAM

Report number:

MANUFACTURER: ILUMEN GMBH	Address:	
NAME: IL-TL15-N04040-120	TYPE: 4000K	WEIGHT:
SPECIFICATION:	DIMENSION:	SERIAL No.:



Test System:
Temperature:25.3DEG
Operators:
Test Date:2024.12.25

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LUMINOUS DISTRIBUTION INTENSITY DATA

Report number:

MANUFACTURER: ILUMEN GMBH	Address:	
NAME: IL-TL15-N04040-120	TYPE: 4000K	WEIGHT:
SPECIFICATION:	DIMENSION:	SERIAL No.:

UNIT: cd

C (DEG) γ (DEG)	0	45	90	135	180	225	270	315
0.0	1380	1380	1380	1377	1380	1380	1380	1377
5.0	1363	1369	1375	1368	1382	1379	1376	1374
10.0	1330	1346	1359	1346	1368	1366	1363	1358
15.0	1283	1310	1336	1312	1338	1341	1340	1329
20.0	1222	1265	1303	1267	1295	1304	1309	1288
25.0	1149	1210	1263	1211	1237	1256	1269	1236
30.0	1068	1145	1216	1146	1166	1200	1221	1176
35.0	977	1075	1160	1074	1087	1134	1166	1106
40.0	879	998	1098	995	997	1061	1104	1029
45.0	779	917	1034	912	900	983	1039	947
50.0	673	833	964	824	800	900	970	860
55.0	566	749	890	738	695	815	895	774
60.0	460	667	814	654	587	732	817	689
65.0	353	586	736	570	480	648	739	604
70.0	252	507	659	489	372	566	658	522
75.0	154	435	581	416	267	489	580	447
80.0	78.0	367	507	346	168	415	505	375
85.0	33.5	305	438	284	85.5	347	434	310
90.0	21.4	250	372	229	30.7	287	367	253
95.0	19.0	206	313	181	16.4	232	309	202
100.0	17.5	153	261	135	15.0	185	255	157
105.0	16.3	109	208	96.8	14.0	143	208	120
110.0	15.1	79.1	159	65.8	13.2	101	165	78.4
115.0	14.1	58.1	126	46.2	12.4	66.5	120	54.3
120.0	13.3	40.6	96.5	30.3	11.6	47.0	89.5	36.3
125.0	12.5	25.6	70.8	17.6	10.9	29.4	64.2	21.9
130.0	11.8	13.5	48.6	10.5	10.4	16.4	41.5	13.8
135.0	11.3	10.0	29.2	9.84	9.93	13.2	23.0	12.8
140.0	10.8	9.45	15.3	9.45	9.55	12.1	10.4	11.7
145.0	10.4	9.16	13.7	9.06	9.16	11.2	9.55	10.9
150.0	10.1	9.16	12.9	8.87	8.97	10.8	9.26	10.6
155.0	10.1	9.16	12.2	8.97	8.58	10.4	8.97	10.5
160.0	10.2	9.16	11.6	9.06	9.06	10.3	8.87	10.4
165.0	10.3	9.16	11.3	9.16	9.45	10.3	8.87	10.3
170.0	10.4	9.35	11.1	9.35	9.74	10.4	9.06	10.3
175.0	10.4	9.45	11.0	9.55	10.0	10.4	9.26	10.4
180.0	10.3	9.55	10.6	9.45	10.4	10.6	9.45	10.3

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