

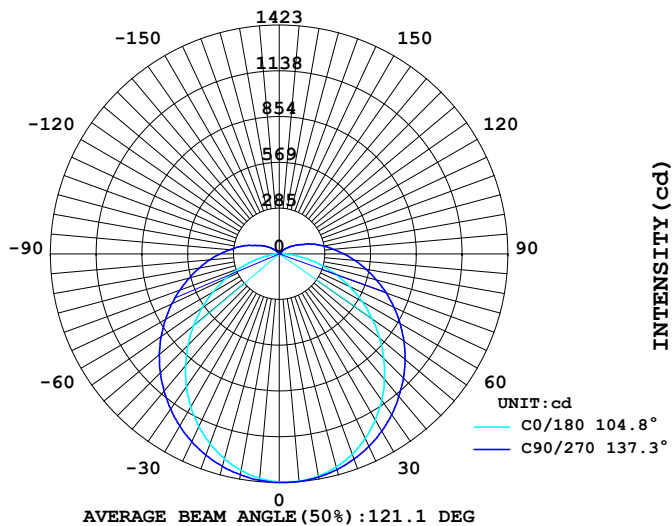
LUMINAIRE PHOTOMETRIC TEST REPORT

Report number:

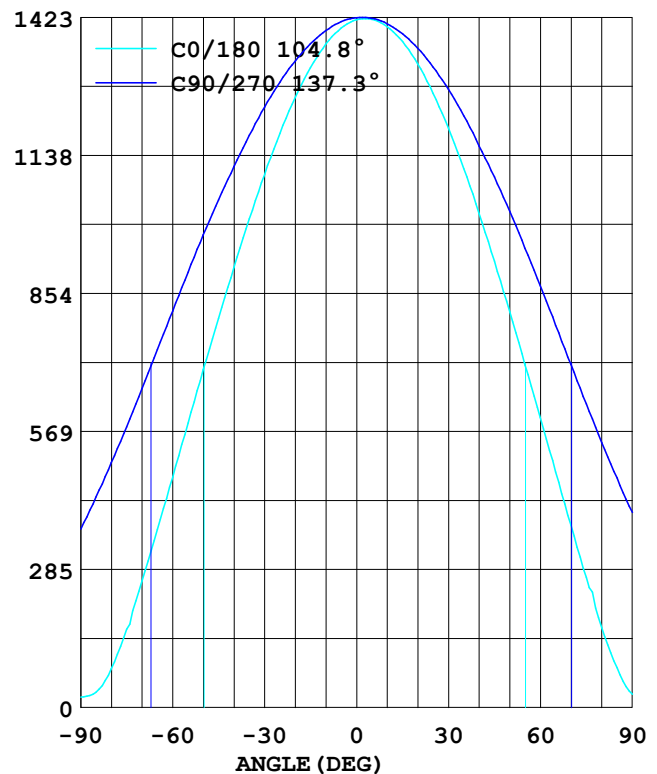
MANUFACTURER: ILUMEN GMBH	Address:	
NAME: IL-TL15-N05040-120	TYPE: 4000K	WEIGHT:
SPECIFICATION:	DIMENSION:	SERIAL No.:

DATA OF LAMP		Imax (cd)	1423	S/MH (C0/180)	1.16
MODEL		EFFICIENCY (%)	100.0	S/MH (C90/270)	1.30
NOMINAL POWER(W)	30	TOTAL FLUX(lm)	4742.9	Voltage(V)	230.3
RATED VOLTAGE (V)	230	EFFICIENCY (lm/W)	160.5	Current(A)	0.142
NOMINAL FLUX(lm)	4742.9	η up (%)	7.6	Power(W)	29.55
LAMPS QUANTITY	1	η down (%)	92.4	Power Factor (PF)	0.902
TEST VOLTAGE (V)	230.3	Effective Flux(lm)	4565.8	EEI	0.088

LUMINOUS INTENSITY DISTRIBUTION



LUMINOUS INTENSITY DISTRIBUTION



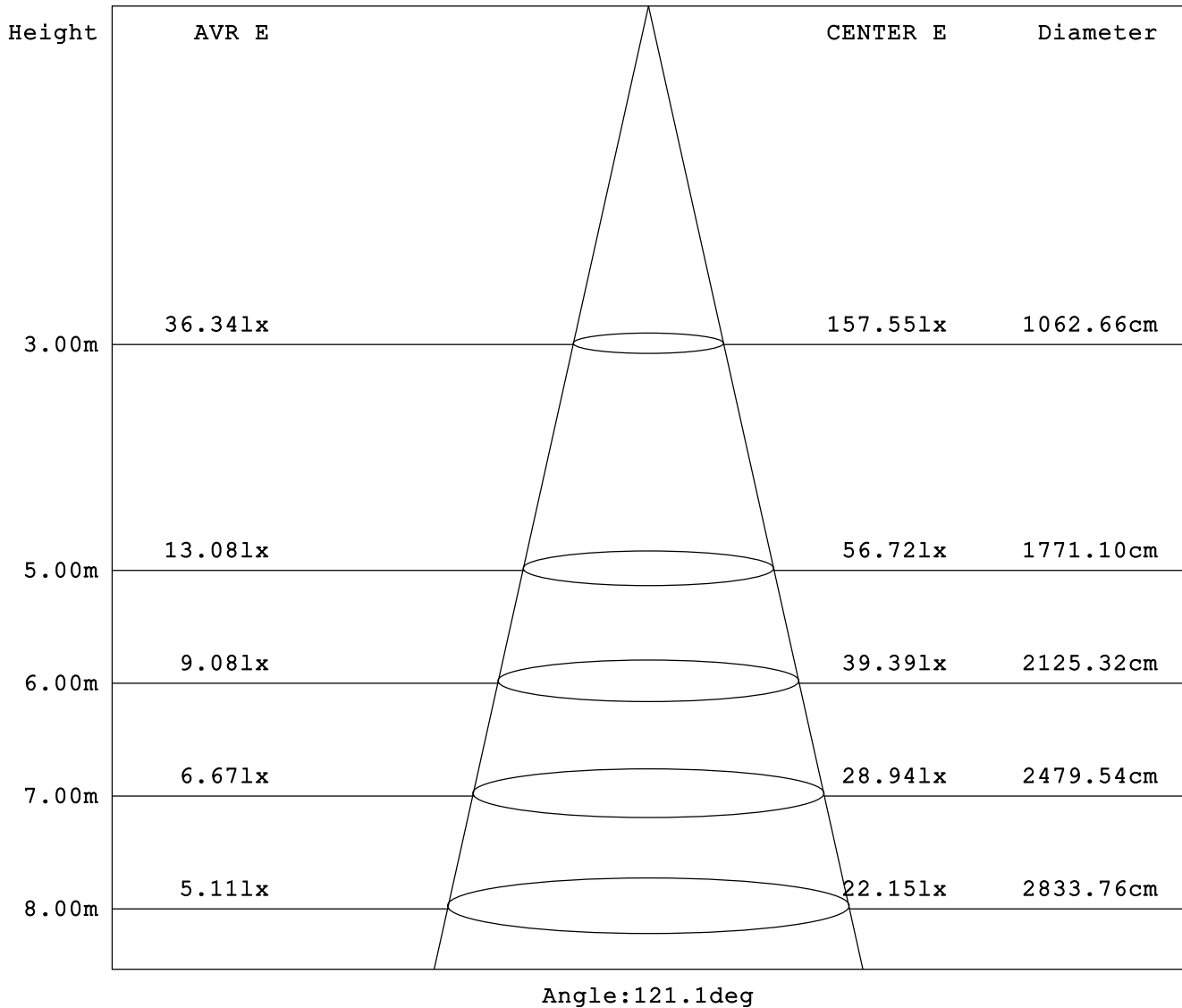
Test System:
 Temperature: 25.3 DEG
 Operators:
 Test Date: 2024.12.25

Test Set: 5.0 deg/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-N05040-120	TYPE: 4000K	WEIGHT:
SPECIFICATION:	DIMENSION:	SERIAL No.:



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:

ZONAL FLUX DIAGRAM

Report number:

MANUFACTURER: ILUMEN GMBH	Address:	
NAME: IL-TL15-N05040-120	TYPE: 4000K	WEIGHT:
SPECIFICATION:	DIMENSION:	SERIAL No.:

γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Zone	total
5.0	1401	1419	1414	1408	1419	1401	1421	1420	0- 5	33.86	33.86
10.0	1368	1404	1396	1384	1404	1368	1410	1406	5- 10	100.3	134.2
15.0	1319	1373	1368	1346	1373	1319	1389	1379	10- 15	163.1	297.3
20.0	1258	1327	1333	1298	1327	1258	1359	1340	15- 20	220.1	517.4
25.0	1184	1266	1289	1240	1266	1184	1320	1290	20- 25	269.2	786.7
30.0	1099	1195	1238	1172	1195	1099	1275	1230	25- 30	309.0	1096
35.0	1008	1111	1180	1096	1111	1008	1220	1160	30- 35	338.5	1434
40.0	907.5	1018	1115	1015	1018	907.5	1158	1085	35- 40	357.0	1791
45.0	802.4	920.6	1047	927.8	920.6	802.4	1094	1002	40- 45	364.1	2156
50.0	696.6	815.2	974.7	838.6	815.2	696.6	1023	913.7	45- 50	360.8	2516
55.0	586.2	706.4	897.3	752.0	706.4	586.2	947.0	827.9	50- 55	347.4	2864
60.0	474.8	597.7	817.2	664.1	597.7	474.8	869.8	739.8	55- 60	324.7	3189
65.0	367.3	485.6	738.2	578.5	485.6	367.3	788.0	652.6	60- 65	294.6	3483
70.0	260.7	376.2	657.6	498.6	376.2	260.7	707.5	570.3	65- 70	258.3	3742
75.0	161.0	268.3	578.7	422.0	268.3	161.0	626.3	489.7	70- 75	217.6	3959
80.0	80.26	164.6	505.1	351.6	164.6	80.26	546.2	416.5	75- 80	176.6	4136
85.0	31.59	82.07	433.9	289.9	82.07	31.59	473.3	347.9	80- 85	137.7	4274
90.0	21.31	27.14	368.0	234.3	27.14	21.31	402.1	285.9	85- 90	107.1	4381
95.0	19.51	15.79	309.8	183.5	15.79	19.51	338.6	232.3	90- 95	85.85	4467
100.0	18.02	14.84	256.8	139.6	14.84	18.02	282.4	182.1	95-100	69.98	4537
105.0	16.64	13.99	206.2	98.08	13.99	16.64	231.1	141.7	100-105	55.41	4592
110.0	15.58	13.14	157.1	65.95	13.14	15.58	183.6	95.75	105-110	42.39	4634
115.0	14.63	12.40	122.8	46.33	12.40	14.63	135.9	67.22	110-115	30.81	4665
120.0	13.67	11.66	92.88	29.90	11.66	13.67	102.7	47.39	115-120	22.75	4688
125.0	12.93	11.02	67.33	16.75	11.02	12.93	74.96	30.64	120-125	16.16	4704
130.0	12.30	10.49	44.74	10.60	10.49	12.30	51.00	17.60	125-130	10.97	4715
135.0	11.66	10.07	25.76	10.07	10.07	11.66	30.53	13.89	130-135	7.344	4722
140.0	11.13	9.649	15.26	9.649	9.649	11.13	14.42	12.83	135-140	4.954	4727
145.0	10.81	9.331	14.20	9.331	9.331	10.81	10.81	11.87	140-145	3.716	4731
150.0	10.28	9.119	13.36	9.225	9.119	10.28	10.49	11.45	145-150	3.132	4734
155.0	10.39	9.119	12.61	9.331	9.119	10.39	10.17	11.13	150-155	2.619	4737
160.0	10.60	9.331	12.08	9.437	9.331	10.60	9.967	10.92	155-160	2.149	4739
165.0	10.70	9.755	11.77	9.543	9.755	10.70	9.967	10.81	160-165	1.699	4741
170.0	10.81	10.07	11.55	9.755	10.07	10.81	10.07	10.81	165-170	1.236	4742
175.0	10.81	10.28	11.55	9.861	10.28	10.81	10.28	10.81	170-175	0.754	4743
180.0	10.60	10.70	11.13	9.967	10.70	10.60	11.02	10.92	175-180	0.254	4743
DEG	LUMINOUS INTENSITY:cd									UNIT:lm	

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

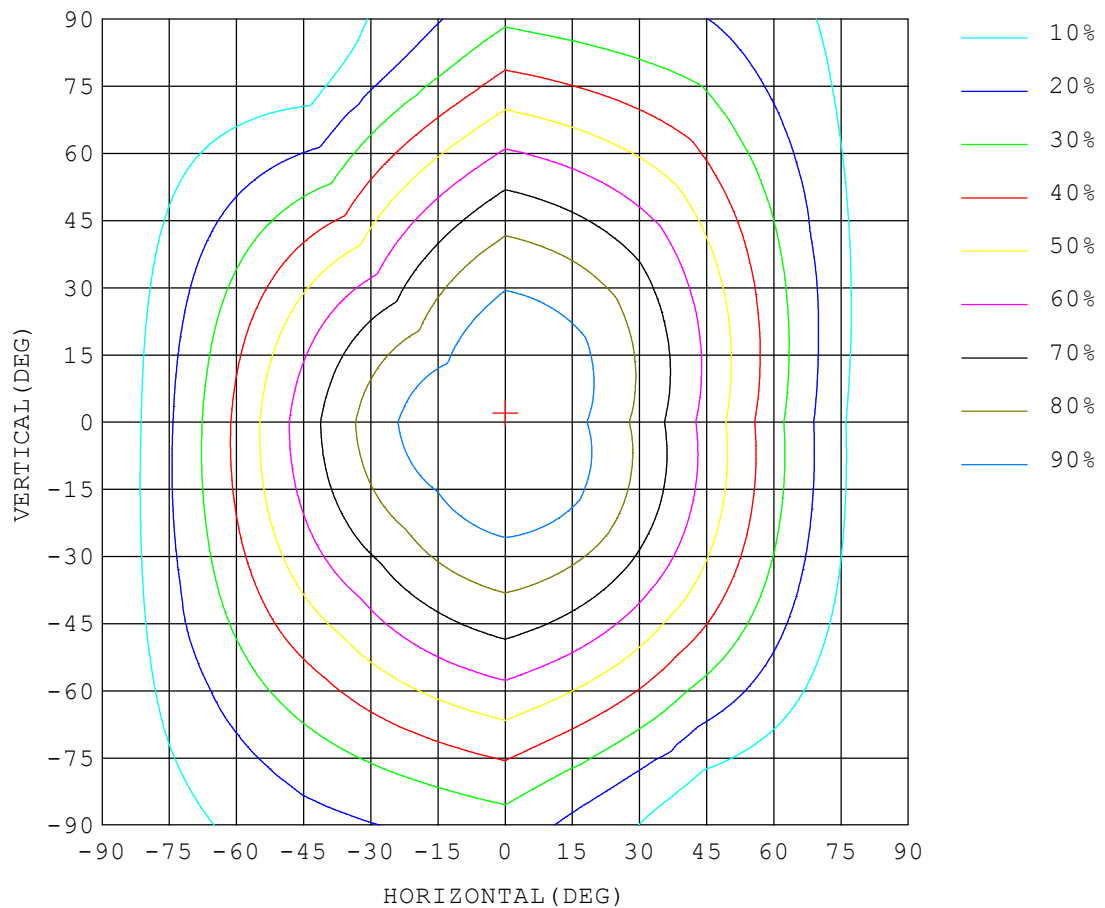
Test Set: 5.0deg/s C-Gamma (TYPE C)
Humidity:65.0%
Test Distance:10.000 m
Remarks:

ISOCANDELA DIAGRAM

Report number:

MANUFACTURER: ILUMEN GMBH	Address:	
NAME: IL-TL15-N05040-120	TYPE: 4000K	WEIGHT:
SPECIFICATION:	DIMENSION:	SERIAL No.:

UNIT: cd



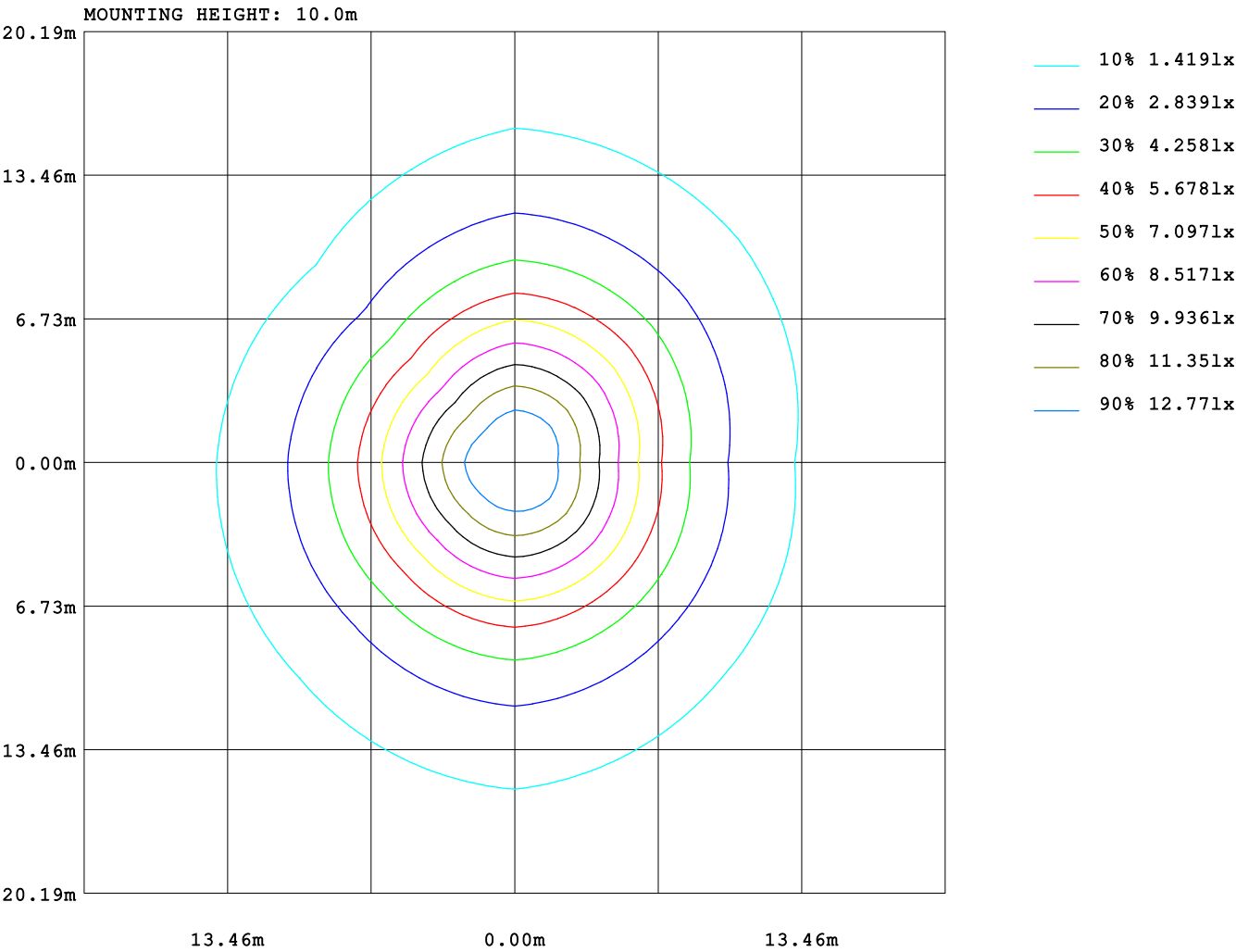
Test System:
Temperature: 25.3 DEG
Operators:
Test Date: 2024.12.25

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

ISOLUX DIAGRAM

Report number:

MANUFACTURER: ILUMEN GMBH	Address:	
NAME: IL-TL15-N05040-120	TYPE: 4000K	WEIGHT:
SPECIFICATION:	DIMENSION:	SERIAL No.:



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:

LUMINOUS DISTRIBUTION INTENSITY DATA

Report number:

MANUFACTURER: ILUMEN GMBH	Address:	
NAME: IL-TL15-N05040-120	TYPE: 4000K	WEIGHT:
SPECIFICATION:	DIMENSION:	SERIAL No.:

UNIT: cd

C (DEG) γ (DEG)	0	45	90	135	180	225	270	315
0.0	1418	1418	1422	1421	1418	1418	1422	1421
5.0	1401	1419	1414	1408	1419	1401	1421	1420
10.0	1368	1404	1396	1384	1404	1368	1410	1406
15.0	1319	1373	1368	1346	1373	1319	1389	1379
20.0	1258	1327	1333	1298	1327	1258	1359	1340
25.0	1184	1266	1289	1240	1266	1184	1320	1290
30.0	1099	1195	1238	1172	1195	1099	1275	1230
35.0	1008	1111	1180	1096	1111	1008	1220	1160
40.0	908	1018	1115	1015	1018	908	1158	1085
45.0	802	921	1047	928	921	802	1094	1002
50.0	697	815	975	839	815	697	1023	914
55.0	586	706	897	752	706	586	947	828
60.0	475	598	817	664	598	475	870	740
65.0	367	486	738	579	486	367	788	653
70.0	261	376	658	499	376	261	708	570
75.0	161	268	579	422	268	161	626	490
80.0	80.2	165	505	352	165	80.2	546	417
85.0	31.5	82.0	434	290	82.0	31.5	473	348
90.0	21.3	27.1	368	234	27.1	21.3	402	286
95.0	19.5	15.7	310	184	15.7	19.5	339	232
100.0	18.0	14.8	257	140	14.8	18.0	282	182
105.0	16.6	13.9	206	98.0	13.9	16.6	231	142
110.0	15.5	13.1	157	65.9	13.1	15.5	184	95.7
115.0	14.6	12.4	123	46.3	12.4	14.6	136	67.2
120.0	13.6	11.6	92.8	29.9	11.6	13.6	103	47.3
125.0	12.9	11.0	67.3	16.7	11.0	12.9	74.9	30.6
130.0	12.3	10.4	44.7	10.6	10.4	12.3	51.0	17.6
135.0	11.6	10.0	25.7	10.0	10.0	11.6	30.5	13.8
140.0	11.1	9.64	15.2	9.64	9.64	11.1	14.4	12.8
145.0	10.8	9.33	14.2	9.33	9.33	10.8	10.8	11.8
150.0	10.2	9.11	13.3	9.22	9.11	10.2	10.4	11.4
155.0	10.3	9.11	12.6	9.33	9.11	10.3	10.1	11.1
160.0	10.6	9.33	12.0	9.43	9.33	10.6	9.96	10.9
165.0	10.7	9.75	11.7	9.54	9.75	10.7	9.96	10.8
170.0	10.8	10.0	11.5	9.75	10.0	10.8	10.0	10.8
175.0	10.8	10.2	11.5	9.86	10.2	10.8	10.2	10.8
180.0	10.6	10.7	11.1	9.96	10.7	10.6	11.0	10.9

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