

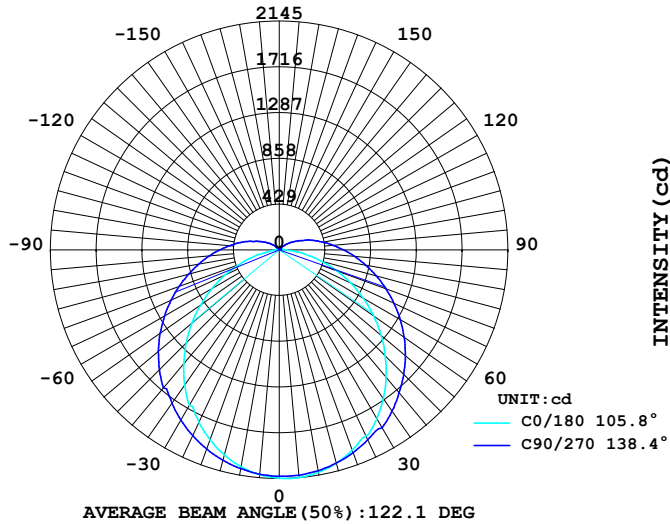
LUMINAIRE PHOTOMETRIC TEST REPORT

Report number:

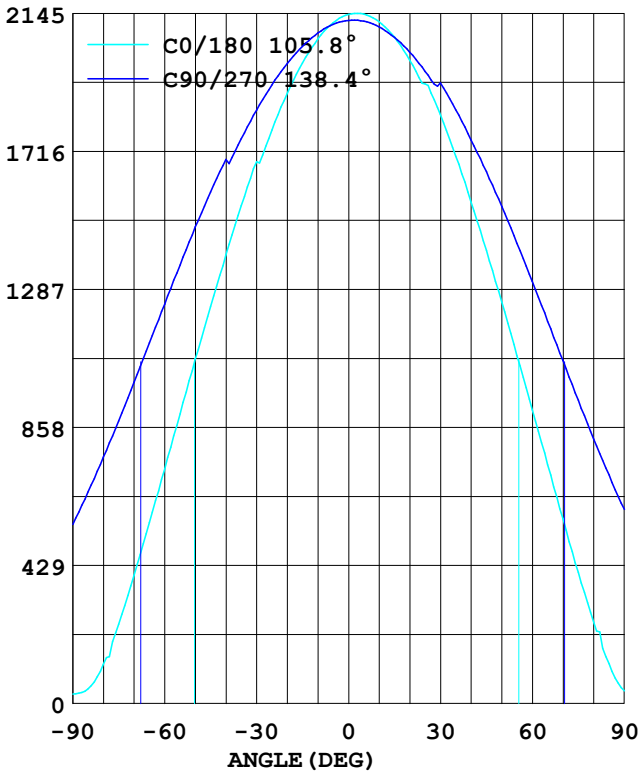
MANUFACTURER: ILUMEN GMBH	Address:	
NAME: IL-TL15-N05040-120	TYPE: 4000K	WEIGHT:
SPECIFICATION:	DIMENSION:	SERIAL No.:

DATA OF LAMP		Imax(cd)	2145	S/MH (C0/180)	1.18
MODEL		EFFICIENCY (%)	100.0	S/MH (C90/270)	1.30
NOMINAL POWER(W)	52	TOTAL FLUX(lm)	7701.1	Voltage(V)	230.1
RATED VOLTAGE (V)	230	EFFICIENCY (lm/W)	150.7	Current(A)	0.236
NOMINAL FLUX(lm)	7701.2	η up (%)	8.9	Power(W)	51.11
LAMPS QUANTITY	1	η down (%)	91.1	Power Factor (PF)	0.940
TEST VOLTAGE (V)	230.2	Effective Flux(lm)	7433.7	EEI	0.094

LUMINOUS INTENSITY DISTRIBUTION



LUMINOUS INTENSITY DISTRIBUTION



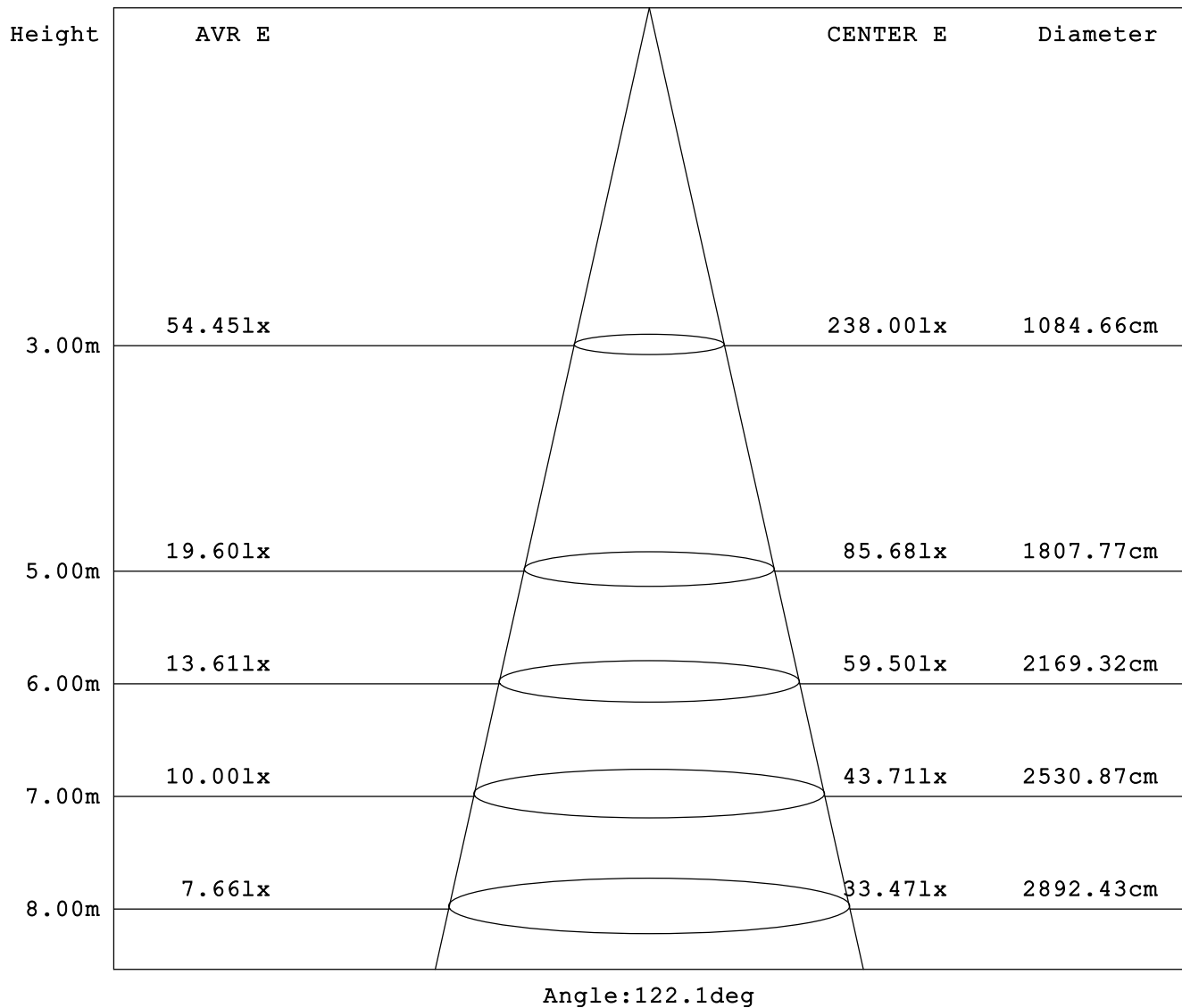
Test System:
 Temperature: 25.3 DEG
 Operators:
 Test Date: 2024.12.25

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.:



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Operators:
Test Date: 2024.12.25

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ZONAL FLUX DIAGRAM

Report number:

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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	2116	2113	2111	2096	2142	2130	2121	2113	0- 5	50.75	50.75
10.0	2065	2076	2084	2059	2119	2109	2103	2091	5- 10	150.4	201.2
15.0	1991	2020	2042	2003	2071	2068	2070	2049	10- 15	244.8	446.0
20.0	1897	1947	1989	1930	1999	2009	2024	1989	15- 20	330.6	776.7
25.0	1782	1895	1922	1875	1926	1935	1965	1912	20- 25	406.4	1183
30.0	1684	1792	1844	1771	1830	1843	1929	1819	25- 30	469.5	1653
35.0	1548	1678	1755	1656	1701	1738	1845	1711	30- 35	518.1	2171
40.0	1394	1557	1691	1534	1558	1661	1750	1632	35- 40	550.2	2721
45.0	1233	1426	1590	1401	1409	1535	1653	1505	40- 45	567.5	3289
50.0	1070	1293	1481	1265	1248	1403	1545	1370	45- 50	566.2	3855
55.0	900.2	1163	1363	1133	1081	1274	1430	1239	50- 55	550.4	4405
60.0	728.7	1030	1241	999.1	913.2	1140	1312	1105	55- 60	521.3	4927
65.0	562.9	901.1	1121	869.1	741.8	1008	1188	972.4	60- 65	481.0	5408
70.0	398.5	780.4	997.9	747.8	574.2	881.9	1066	847.2	65- 70	431.8	5840
75.0	246.5	664.5	877.9	631.6	407.4	758.8	942.3	725.0	70- 75	376.6	6216
80.0	121.7	557.3	765.7	524.7	251.8	645.7	821.2	614.0	75- 80	318.8	6535
85.0	44.94	462.8	656.9	431.2	123.6	539.5	710.7	510.4	80- 85	263.6	6799
90.0	29.58	377.2	556.5	347.2	39.54	443.4	603.3	417.4	85- 90	214.3	7013
95.0	27.12	301.9	468.1	274.0	23.51	359.5	507.6	336.7	90- 95	174.4	7188
100.0	25.03	234.4	387.4	210.8	22.09	284.9	422.8	265.7	95-100	140.7	7328
105.0	23.23	164.2	309.8	145.2	20.76	220.6	345.0	204.8	100-105	109.1	7437
110.0	21.71	113.8	237.1	96.91	19.43	153.3	276.8	137.3	105-110	81.22	7519
115.0	20.29	82.59	186.2	67.51	18.30	102.8	204.7	95.01	110-115	57.25	7576
120.0	19.06	55.37	139.5	42.67	17.16	71.50	154.0	65.33	115-120	40.76	7617
125.0	18.01	32.81	100.7	23.13	16.21	45.32	111.3	40.96	120-125	27.40	7644
130.0	17.06	16.40	66.19	15.26	15.36	24.84	74.81	22.47	125-130	17.21	7661
135.0	16.21	14.88	37.07	14.41	14.69	19.34	43.71	18.87	130-135	10.75	7672
140.0	15.55	14.03	20.48	13.75	14.12	17.92	19.62	17.35	135-140	7.107	7679
145.0	14.88	13.65	19.15	13.27	13.56	16.68	15.17	16.12	140-145	5.265	7684
150.0	14.50	13.65	18.01	13.18	13.18	15.93	14.60	15.45	145-150	4.429	7689
155.0	14.41	13.65	16.97	13.18	12.70	15.36	14.12	15.26	150-155	3.704	7693
160.0	14.79	13.65	16.40	13.37	13.37	15.07	13.75	15.07	155-160	3.027	7696
165.0	15.07	13.75	16.02	13.65	14.03	15.07	13.65	14.98	160-165	2.383	7698
170.0	15.17	13.93	15.93	13.93	14.50	15.17	13.75	15.07	165-170	1.730	7700
175.0	15.26	14.12	15.93	14.12	14.88	15.36	14.03	15.26	170-175	1.056	7701
180.0	15.07	14.41	15.36	14.31	15.26	15.55	14.41	15.36	175-180	0.357	7701
DEG	LUMINOUS INTENSITY:cd									UNIT:lm	

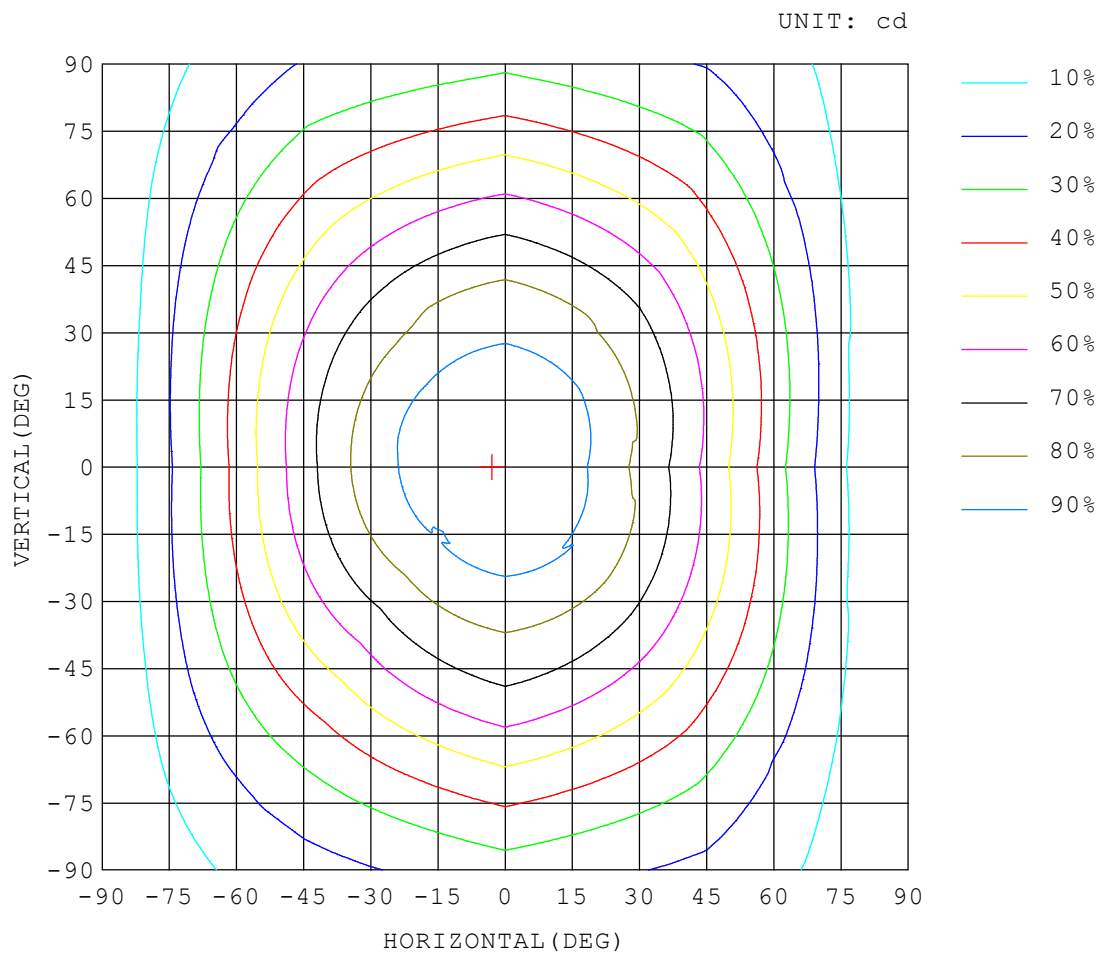
Test System:
Temperature:25.3DEG
Operators:
Test Date:2024.12.25

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.:



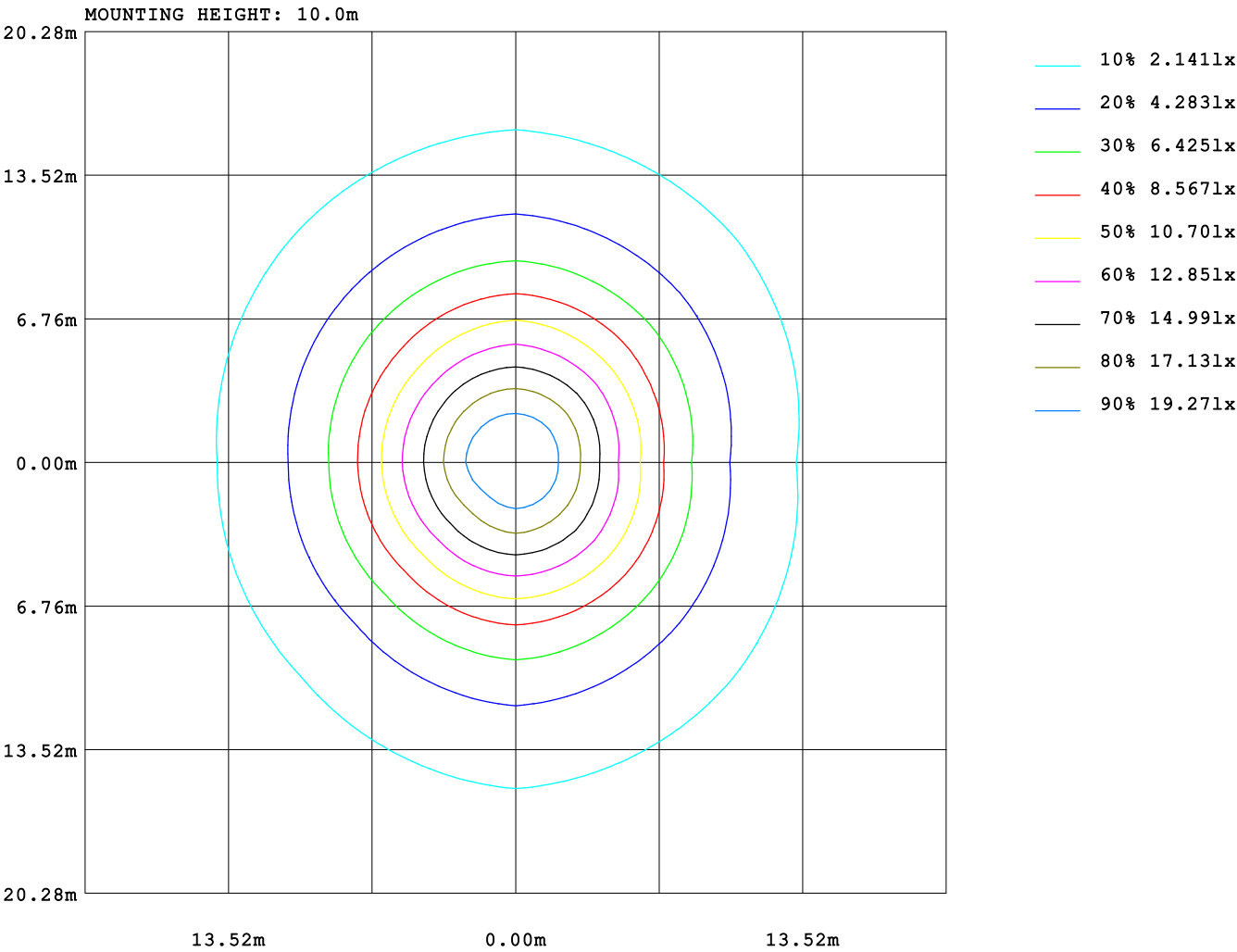
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ISOLUX DIAGRAM

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



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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	2142	2131	2123	2115	2142	2131	2123	2115
5.0	2116	2113	2111	2096	2142	2130	2121	2113
10.0	2065	2076	2084	2059	2119	2109	2103	2091
15.0	1991	2020	2042	2003	2071	2068	2070	2049
20.0	1897	1947	1989	1930	1999	2009	2024	1989
25.0	1782	1895	1922	1875	1926	1935	1965	1912
30.0	1684	1792	1844	1771	1830	1843	1929	1819
35.0	1548	1678	1755	1656	1701	1738	1845	1711
40.0	1394	1557	1691	1534	1558	1661	1750	1632
45.0	1233	1426	1590	1401	1409	1535	1653	1505
50.0	1070	1293	1481	1265	1248	1403	1545	1370
55.0	900	1163	1363	1133	1081	1274	1430	1239
60.0	729	1030	1241	999	913	1140	1312	1105
65.0	563	901	1121	869	742	1008	1188	972
70.0	399	780	998	748	574	882	1066	847
75.0	247	665	878	632	407	759	942	725
80.0	122	557	766	525	252	646	821	614
85.0	44.9	463	657	431	124	540	711	510
90.0	29.5	377	557	347	39.5	443	603	417
95.0	27.1	302	468	274	23.5	360	508	337
100.0	25.0	234	387	211	22.0	285	423	266
105.0	23.2	164	310	145	20.7	221	345	205
110.0	21.7	114	237	96.9	19.4	153	277	137
115.0	20.2	82.5	186	67.5	18.3	103	205	95.0
120.0	19.0	55.3	140	42.6	17.1	71.5	154	65.3
125.0	18.0	32.8	101	23.1	16.2	45.3	111	40.9
130.0	17.0	16.4	66.1	15.2	15.3	24.8	74.8	22.4
135.0	16.2	14.8	37.0	14.4	14.6	19.3	43.7	18.8
140.0	15.5	14.0	20.4	13.7	14.1	17.9	19.6	17.3
145.0	14.8	13.6	19.1	13.2	13.5	16.6	15.1	16.1
150.0	14.5	13.6	18.0	13.1	13.1	15.9	14.6	15.4
155.0	14.4	13.6	16.9	13.1	12.7	15.3	14.1	15.2
160.0	14.7	13.6	16.4	13.3	13.3	15.0	13.7	15.0
165.0	15.0	13.7	16.0	13.6	14.0	15.0	13.6	14.9
170.0	15.1	13.9	15.9	13.9	14.5	15.1	13.7	15.0
175.0	15.2	14.1	15.9	14.1	14.8	15.3	14.0	15.2
180.0	15.0	14.4	15.3	14.3	15.2	15.5	14.4	15.3

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