

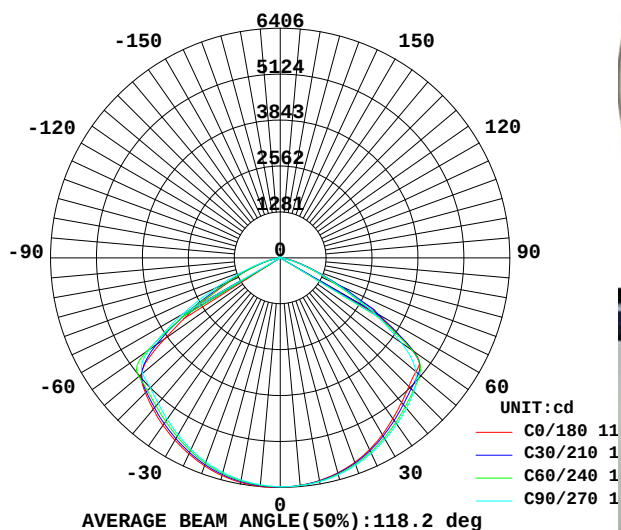
LUMINAIRE PHOTOMETRIC TEST REPORT

Report number:

MANUFACTURER:			
Address:			
NAME: Kolokol 100W lens 120deg.		TYPE:	WEIGHT:
SPECIFICATION:	CCT(K): 4927	DIMENSION:	SERIAL No.:

DATA OF LAMP		Imax(cd)	6406	S/MH(C0/180)	1.38
MODEL		EFFICIENCY(%)	100.0	S/MH(C90/270)	1.34
NOMINAL POWER(W)	102	TOTAL FLUX(lm)	18973.1	Voltage(V)	220.1
RATED VOLTAGE(V)	220	EFFICIENCY(lm/W)	187.9	Current(A)	0.471
NOMINAL FLUX(lm)	18973.1	η up(%)	1.2	Power(W)	101.0
LAMPS QUANTITY	1	η down(%)	98.8	Power Factor(PF)	0.973
TEST VOLTAGE(V)	220.1	Effective Flux(lm)	18973.1	EEI	0.073

LUMINOUS INTENSITY DISTRIBUTION



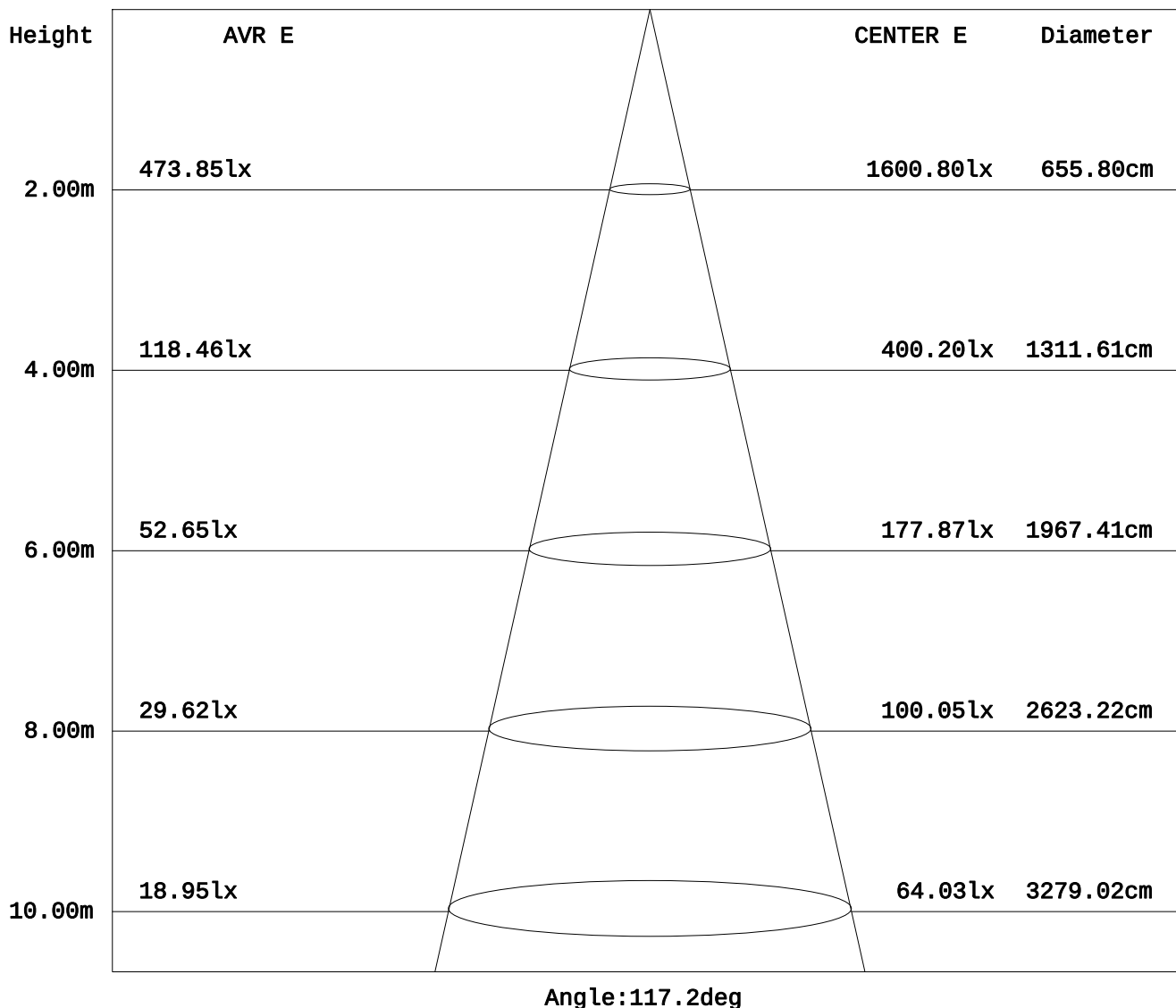
Test System:HOP00 HPG1800
 Temperature:18'C
 Operators:
 Test Date:11-29-2022

Test Set: 5.0deg/s C-Gamma (TYPE C)
 Humidity:65.0%
 Test Distance:10.000 m
 Remarks: 71Ra. 0.1% Flickering.

AVERAGE AND CENTER E Figure

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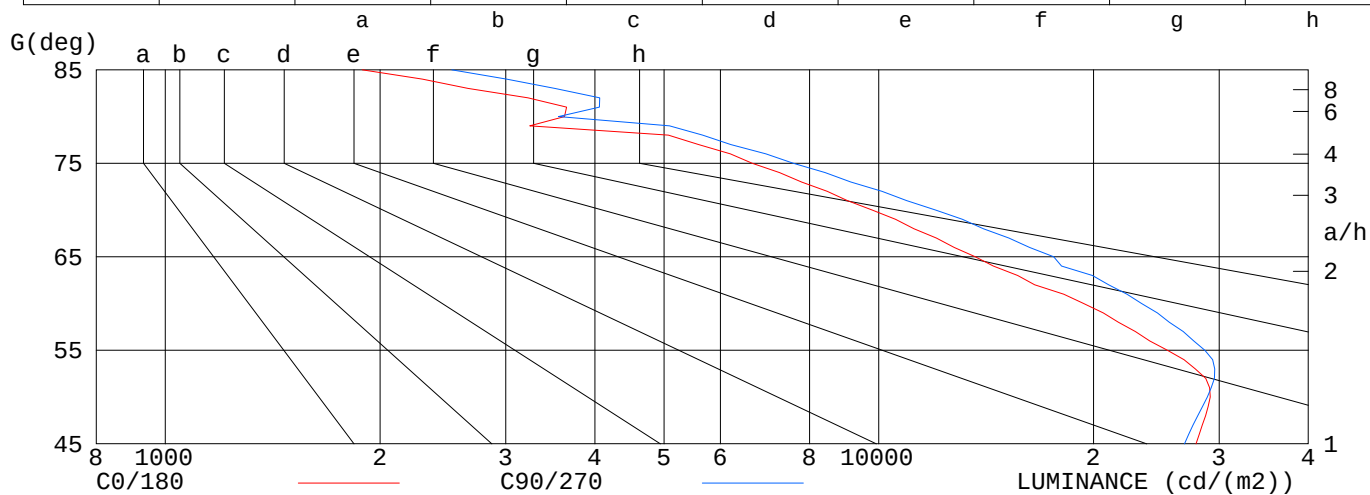
LUMINANCE LIMITATION CURVES

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LUMINANCE LIMITATION CURVES

GLARE	CLASS	ILLUMINANCE (lx)							
1.15	A	2000	1000	500	<=300				
1.50	B		2000	1000	500	<=300			
1.85	C			2000	1000	500	<=300		
2.20	D				2000	1000	500	<=300	
2.55	E					2000	1000	500	<=300



LUMINANCE cd/m2		
G(deg)	C0/180	C90/270
85	1888	2520
80	3627	3559
75	6649	7590
70	9790	12011
65	13656	17588
60	19367	23353
55	25375	28648
50	29147	28872
45	27832	26825

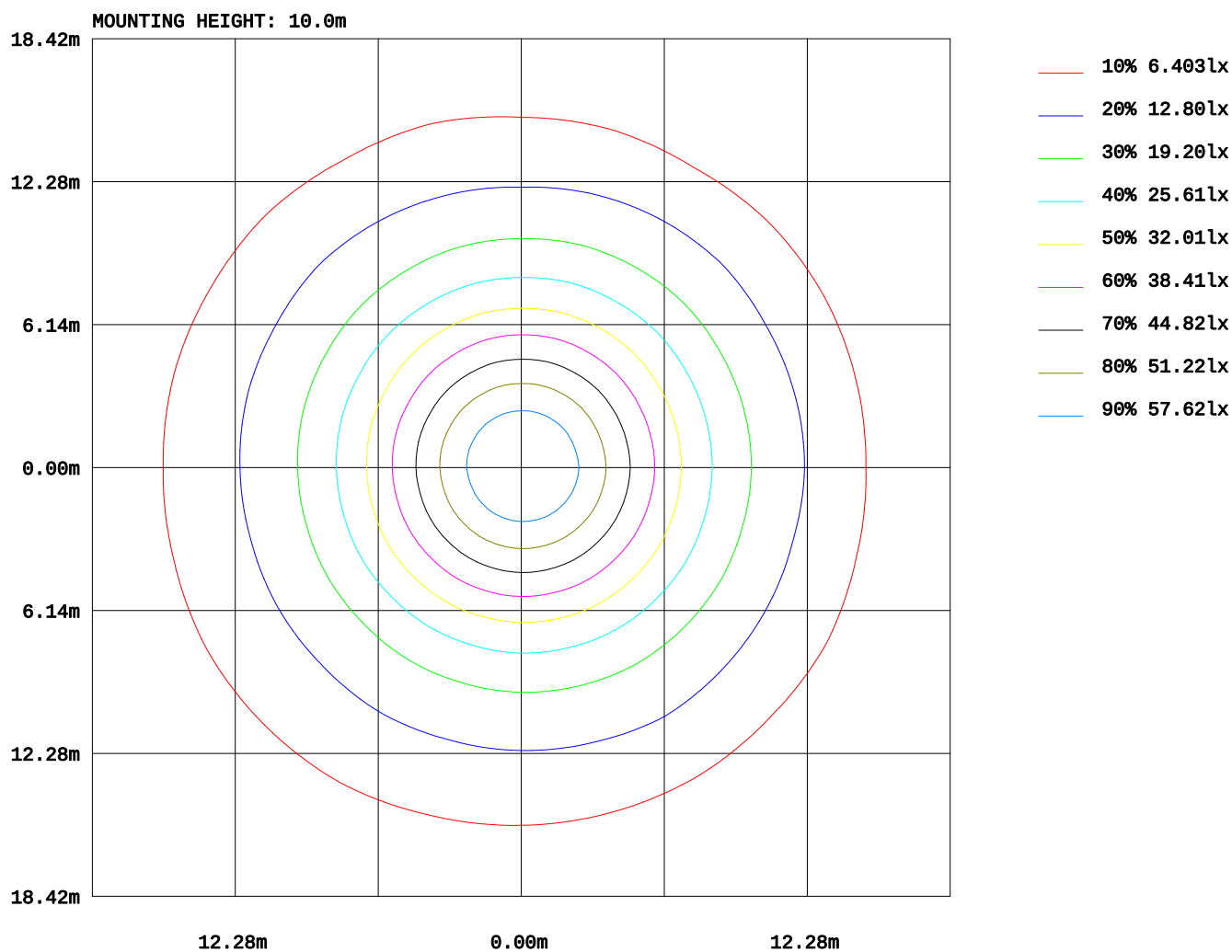
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ISOLUX DIAGRAM

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UGR Table

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SPECIFICATION:	CCT(K): 4927	DIMENSION:		SERIAL No.:

ceiling/cavity	0.7	0.7	0.5	0.5	0.3	0.7	0.7	0.5	0.5	0.3
walls	0.5	0.3	0.5	0.3	0.3	0.5	0.3	0.5	0.3	0.3
working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Room dimensions	Viewed crosswise					Viewed endwise				
x = 2H y = 2H	24.1	25.5	24.4	25.8	26.0	24.5	25.9	24.7	26.1	26.4
3H	24.4	25.8	24.7	26.0	26.3	24.9	26.2	25.2	26.5	26.7
4H	24.4	25.7	24.8	26.0	26.3	24.9	26.2	25.2	26.5	26.7
6H	24.4	25.6	24.7	25.9	26.2	24.9	26.1	25.2	26.3	26.6
8H	24.3	25.5	24.7	25.8	26.1	24.8	26.0	25.2	26.3	26.6
12H	24.3	25.4	24.7	25.7	26.0	24.8	25.9	25.2	26.2	26.5
4H 2H	24.3	25.6	24.7	25.9	26.2	24.7	25.9	25.0	26.2	26.5
3H	24.8	25.9	25.1	26.2	26.5	25.1	26.2	25.5	26.6	26.9
4H	24.8	25.8	25.2	26.2	26.5	25.2	26.2	25.6	26.6	26.9
6H	24.8	25.7	25.2	26.0	26.4	25.2	26.1	25.6	26.4	26.8
8H	24.8	25.6	25.2	25.9	26.4	25.2	26.0	25.6	26.4	26.8
12H	24.7	25.4	25.2	25.9	26.3	25.1	25.9	25.6	26.3	26.7
8H 4H	24.8	25.6	25.2	26.0	26.4	25.2	26.0	25.6	26.4	26.8
6H	24.8	25.4	25.2	25.8	26.3	25.2	25.8	25.6	26.2	26.7
8H	24.7	25.3	25.2	25.8	26.2	25.1	25.7	25.6	26.2	26.6
12H	24.7	25.2	25.2	25.7	26.2	25.1	25.6	25.6	26.1	26.6
12H 4H	24.7	25.5	25.2	25.9	26.3	25.1	25.9	25.6	26.3	26.7
6H	24.7	25.3	25.2	25.7	26.2	25.1	25.7	25.6	26.2	26.6
8H	24.7	25.2	25.2	25.7	26.2	25.1	25.6	25.6	26.1	26.6

Variations with the observer position at spacings:

S = 1.0H	+ 0.2 / - 0.4	+ 0.1 / - 0.3
1.5H	+ 0.7 / - 1.3	+ 0.9 / - 1.2
2.0H	+ 1.3 / - 1.5	+ 1.2 / - 2.0

CIE Pub.117 Corrected 18973 lm Total Lamp Luminous Flux.(8log(F/F0) = 10.2)

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LUMINOUS DISTRIBUTION INTENSITY DATA

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SPECIFICATION:	CCT(K): 4927	DIMENSION:	SERIAL No.:

UNIT: cd

γ (deg) \ C(deg)	0	15	30	45	60	75	90	105	120	135	150	165	180	195	210
0.0	6403	6399	6394	6392	6389	6386	6384	6381	6381	6381	6379	6378	6403	6399	6394
5.0	6400	6389	6382	6373	6368	6359	6355	6348	6348	6345	6347	6343	6372	6372	6370
10.0	6362	6347	6337	6323	6315	6300	6293	6282	6282	6277	6281	6279	6306	6316	6314
15.0	6287	6267	6255	6235	6224	6203	6195	6179	6179	6171	6179	6177	6208	6222	6224
20.0	6177	6149	6139	6111	6099	6069	6064	6039	6044	6030	6043	6038	6071	6091	6095
25.0	6035	6006	5991	5957	5939	5906	5895	5869	5869	5856	5868	5866	5901	5926	5933
30.0	5875	5838	5822	5780	5757	5714	5700	5667	5665	5647	5661	5660	5697	5729	5741
35.0	5705	5659	5645	5593	5572	5516	5499	5450	5447	5417	5441	5435	5475	5520	5538
40.0	5516	5470	5460	5414	5391	5331	5302	5247	5233	5198	5221	5222	5269	5322	5345
45.0	5322	5275	5283	5247	5235	5163	5129	5066	5059	5016	5027	5027	5075	5137	5166
50.0	5066	4977	5045	5090	5152	5052	5018	4962	4980	4922	4923	4897	4941	5012	5033
55.0	3936	4022	4221	4377	4552	4476	4443	4551	4773	4757	4641	4572	4559	4545	4526
60.0	2618	2634	2875	3001	2836	2987	3157	3111	3187	3195	3310	3081	3040	3130	3161
65.0	1561	1571	1689	1613	1658	1727	2010	1847	1905	1883	2014	1850	1786	1915	1825
70.0	905	875	912	888	911	948	1111	1012	1010	1014	1047	1036	1003	1076	937
75.0	465	402	418	434	429	443	531	480	487	480	465	506	526	493	427
80.0	170	98.1	160	143	158	128	167	138	171	180	162	146	193	162	131
85.0	44.5	17.0	44.5	25.7	48.7	22.6	59.3	24.2	58.2	39.8	58.2	26.4	35.5	52.4	33.0
90.0	17.2	8.90	17.2	8.29	17.2	8.40	17.5	8.20	17.4	7.80	17.4	7.90	8.00	17.4	8.10
95.0	18.2	11.9	18.0	11.7	17.8	11.5	17.9	11.1	17.6	10.9	17.4	10.8	11.2	17.6	11.1
100.0	20.8	15.9	20.5	15.6	20.4	15.4	20.2	15.0	19.9	14.7	19.6	14.7	15.2	20.1	15.2
105.0	24.2	20.2	24.0	20.2	23.8	19.9	23.7	19.6	23.2	19.2	23.0	19.1	19.9	23.5	19.7
110.0	28.0	25.0	27.7	24.9	27.5	24.6	27.5	24.4	27.1	24.0	26.8	23.9	25.0	27.5	24.6
115.0	32.1	29.4	31.7	29.3	31.7	29.3	31.7	29.0	31.2	28.6	30.8	28.6	30.0	31.7	29.1
120.0	36.0	33.5	35.2	33.2	35.4	33.7	36.0	33.3	35.1	32.7	34.7	33.1	34.7	35.7	33.5
125.0	39.5	37.5	38.5	37.0	38.9	37.9	39.7	37.5	38.5	36.5	38.4	37.4	39.0	39.5	37.4
130.0	43.0	41.2	42.0	40.9	42.5	41.8	43.3	41.2	42.0	40.5	42.0	41.2	42.8	43.2	41.4
135.0	46.5	45.0	45.6	44.8	46.0	45.6	46.9	45.2	45.5	44.6	45.6	45.1	46.7	46.7	45.2
140.0	50.0	48.7	49.2	48.7	49.7	49.9	50.4	49.0	49.2	48.4	49.2	49.2	50.4	50.5	49.0
145.0	53.7	52.7	52.9	52.7	53.6	54.1	54.2	52.7	52.8	52.3	53.1	53.2	54.1	54.4	52.8
150.0	56.9	56.0	56.4	56.1	57.3	57.9	57.5	56.3	56.5	56.1	56.9	57.2	57.5	58.0	56.5
155.0	59.2	58.3	58.8	58.8	60.1	60.6	60.2	58.9	59.2	59.1	59.8	60.2	60.2	61.0	59.3
160.0	60.7	60.0	60.6	60.5	61.9	62.3	62.0	60.7	61.2	60.9	62.0	62.1	62.4	63.0	61.2
165.0	62.4	61.4	61.9	61.7	63.0	63.4	63.5	62.1	62.5	62.1	63.4	63.4	64.0	64.2	62.5
170.0	64.2	62.9	63.3	63.0	64.0	64.3	65.1	63.3	63.8	63.3	64.3	64.3	65.5	64.9	63.5
175.0	65.6	64.0	64.5	64.0	64.8	64.7	66.2	64.2	64.7	64.0	65.0	64.7	66.3	65.4	64.2
180.0	66.5	64.8	64.9	64.5	65.0	64.7	66.5	64.7	64.8	64.4	64.9	64.7	66.6	65.3	64.5

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UNIT: cd

C(deg) γ (deg)	225	240	255	270	285	300	315	330	345
0.0	6392	6389	6386	6384	6381	6381	6381	6379	6378
5.0	6374	6375	6377	6378	6381	6379	6382	6378	6376
10.0	6327	6328	6339	6338	6347	6344	6350	6340	6339
15.0	6243	6247	6263	6265	6276	6274	6280	6270	6266
20.0	6120	6126	6148	6151	6167	6165	6175	6160	6157
25.0	5964	5977	6007	6011	6031	6029	6040	6024	6021
30.0	5783	5801	5839	5846	5871	5868	5884	5865	5863
35.0	5593	5612	5655	5664	5697	5696	5715	5694	5692
40.0	5409	5426	5472	5479	5522	5521	5542	5513	5510
45.0	5236	5247	5278	5269	5331	5343	5367	5319	5319
50.0	5124	5076	5007	4933	5035	5103	5147	5042	5051
55.0	4642	4493	4339	4116	4153	4069	4161	4087	3987
60.0	2991	3009	2938	2954	2744	2556	2641	2637	2625
65.0	1773	1620	1756	1725	1662	1465	1528	1514	1572
70.0	984	879	990	938	925	835	871	807	903
75.0	515	399	482	432	425	375	444	360	432
80.0	167	108	156	147	148	110	170	103	147
85.0	68.8	24.0	41.4	17.7	39.2	20.7	51.8	19.6	38.5
90.0	17.5	8.29	17.2	8.40	17.4	8.70	17.4	8.80	17.4
95.0	17.9	11.4	18.0	11.8	18.1	12.0	18.4	12.1	18.2
100.0	20.4	15.5	20.6	15.9	20.9	16.1	21.0	16.1	21.0
105.0	23.8	20.2	24.1	20.6	24.4	20.7	24.5	20.7	24.5
110.0	27.7	25.0	28.0	25.4	28.2	25.4	28.2	25.4	28.2
115.0	31.7	29.6	32.2	30.1	32.2	29.6	32.1	29.6	32.3
120.0	35.5	33.5	36.0	34.5	35.9	33.5	35.5	33.5	36.0
125.0	38.7	37.4	39.5	38.6	39.3	37.4	38.6	37.2	39.5
130.0	42.2	41.2	42.8	42.2	42.7	41.2	42.0	41.1	43.0
135.0	45.8	44.9	46.3	45.8	46.3	45.0	45.6	44.8	46.3
140.0	49.2	48.5	49.7	49.5	50.0	48.7	49.0	48.5	49.7
145.0	52.9	52.2	53.2	53.2	53.8	52.4	52.7	52.2	53.2
150.0	56.5	55.8	56.5	56.4	57.4	55.8	56.0	55.5	56.4
155.0	59.2	58.3	59.1	58.7	59.8	58.3	58.6	57.7	58.7
160.0	61.1	60.1	60.7	60.6	61.5	60.1	60.2	59.3	60.2
165.0	62.5	61.5	62.0	62.3	62.9	61.4	61.5	60.7	61.5
170.0	63.5	62.8	63.3	64.0	64.0	62.6	62.8	62.4	63.0
175.0	64.6	64.0	64.5	65.3	64.8	63.8	64.0	63.7	64.2
180.0	65.0	64.6	65.2	66.0	65.1	64.4	64.9	64.4	65.1

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