

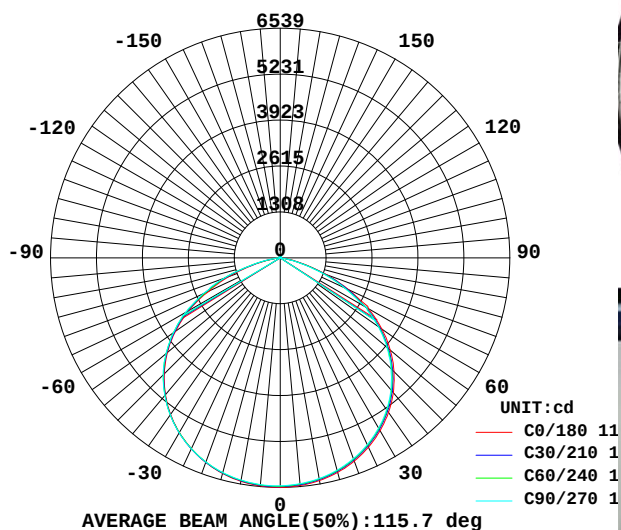
LUMINAIRE PHOTOMETRIC TEST REPORT

Report number:

MANUFACTURER:			
Address:			
NAME: Kolokol 100W Glass only 30min		TYPE:	WEIGHT:
SPECIFICATION:	CCT(K): 5045	DIMENSION:	SERIAL No.:

DATA OF LAMP		Imax(cd)	6539	S/MH(C0/180)	1.31
MODEL		EFFICIENCY(%)	100.0	S/MH(C90/270)	1.32
NOMINAL POWER(W)	100	TOTAL FLUX(lm)	18552.4	Voltage(V)	220.1
RATED VOLTAGE(V)	220	EFFICIENCY(lm/W)	183.9	Current(A)	0.470
NOMINAL FLUX(lm)	18552.4	η up(%)	1.2	Power(W)	100.9
LAMPS QUANTITY	1	η down(%)	98.8	Power Factor(PF)	0.973
TEST VOLTAGE(V)	220.2	Effective Flux(lm)	18552.4	EEI	0.074

LUMINOUS INTENSITY DISTRIBUTION



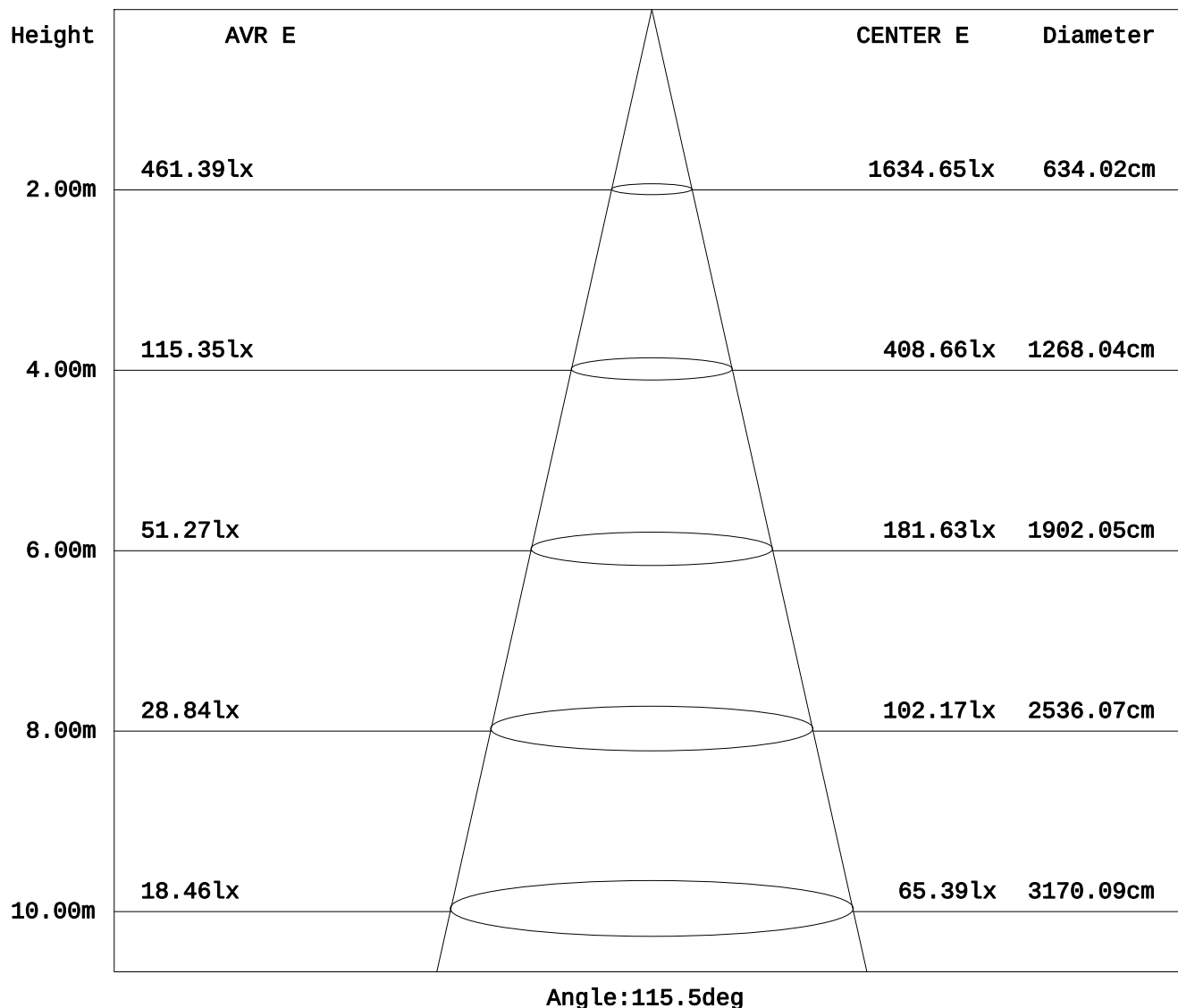
Test System: HOP00 HPG1800
 Temperature: 25.3°C
 Operators:
 Test Date: 11-29-2022

Test Set: 5.0deg/s C-Gamma (TYPE C)
 Humidity: 65.0%
 Test Distance: 10.000 m
 Remarks: 71Ra. 0.2% Flickering.

AVERAGE AND CENTER E Figure

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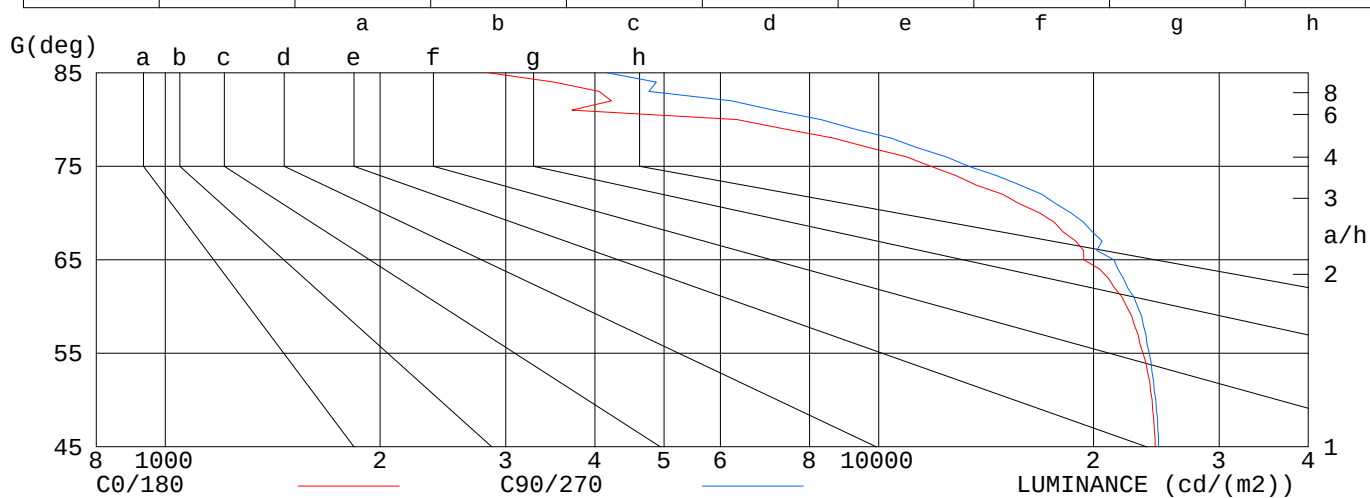
LUMINANCE LIMITATION CURVES

Report number:

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SPECIFICATION:	CCT(K): 5045	DIMENSION:	SERIAL No.:

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	2843	4163
80	6330	8295
75	11830	13367
70	16810	18602
65	19381	21355
60	22258	23053
55	23467	23935
50	24160	24450
45	24407	24657

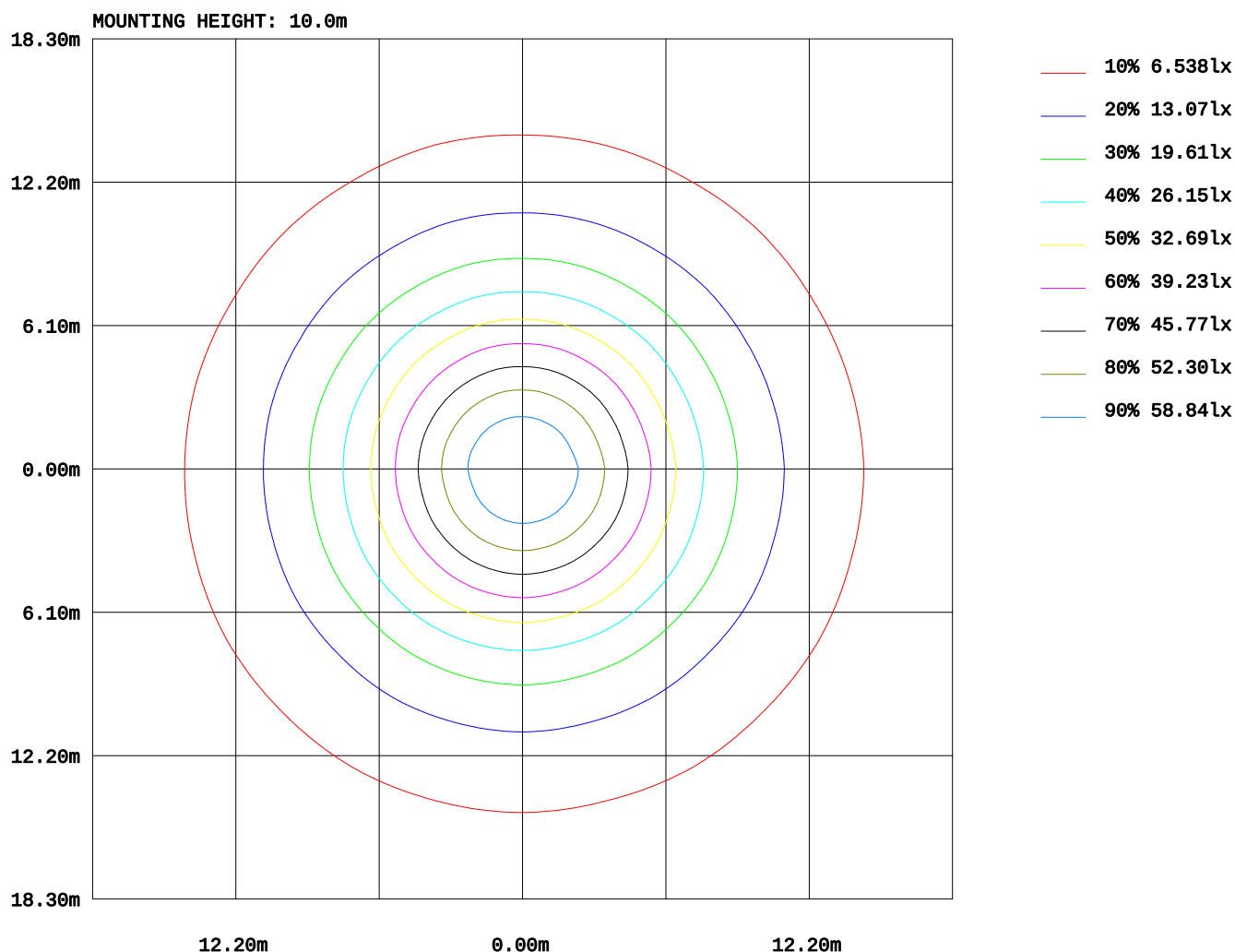
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ISOLUX DIAGRAM

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UGR Table

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SPECIFICATION:	CCT(K): 5045	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	24.0	25.5	24.3	25.7	25.9	24.1	25.6	24.4	25.8	26.0
3H	25.1	26.5	25.4	26.7	27.0	25.3	26.7	25.6	26.9	27.2
4H	25.4	26.7	25.7	26.9	27.2	25.6	26.9	26.0	27.2	27.5
6H	25.4	26.6	25.8	26.9	27.2	25.7	26.9	26.1	27.2	27.5
8H	25.4	26.5	25.7	26.8	27.2	25.7	26.9	26.1	27.2	27.5
12H	25.3	26.4	25.7	26.8	27.1	25.7	26.8	26.0	27.1	27.4
4H 2H	24.5	25.8	24.9	26.1	26.4	24.6	25.9	24.9	26.2	26.4
3H	25.8	27.0	26.2	27.3	27.6	26.0	27.1	26.4	27.4	27.8
4H	26.2	27.2	26.5	27.5	27.9	26.4	27.4	26.8	27.7	28.1
6H	26.2	27.1	26.6	27.5	27.9	26.5	27.4	26.9	27.8	28.2
8H	26.2	27.0	26.6	27.4	27.8	26.5	27.3	26.9	27.7	28.1
12H	26.2	26.9	26.6	27.3	27.8	26.5	27.2	26.9	27.6	28.1
8H 4H	26.3	27.1	26.7	27.5	27.9	26.5	27.3	26.9	27.7	28.1
6H	26.4	27.1	26.8	27.5	27.9	26.7	27.3	27.1	27.8	28.2
8H	26.4	27.0	26.8	27.4	27.9	26.6	27.2	27.1	27.7	28.2
12H	26.3	26.8	26.8	27.3	27.8	26.6	27.1	27.1	27.6	28.1
12H 4H	26.2	27.0	26.7	27.4	27.8	26.4	27.2	26.9	27.6	28.0
6H	26.4	27.0	26.8	27.4	27.9	26.6	27.2	27.1	27.7	28.1
8H	26.3	26.9	26.8	27.3	27.8	26.6	27.1	27.1	27.6	28.1

Variations with the observer position at spacings:

S = 1.0H	+ 0.4 / - 0.3	+ 0.3 / - 0.2
1.5H	+ 0.2 / - 0.4	+ 0.2 / - 0.3
2.0H	+ 0.3 / - 0.5	+ 0.3 / - 0.5

CIE Pub.117 Corrected 18552 lm Total Lamp Luminous Flux.(8log(F/F0) = 10.1)

Test System:HOP00 HPG1800
 Temperature:25.3'C
 Operators:
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Test Set: 5.0deg/s C-Gamma (TYPE C)
 Humidity:65.0%
 Test Distance:10.000 m
 Remarks: 71Ra. 0.2% Flickering.

LUMINOUS DISTRIBUTION INTENSITY DATA

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UNIT: cd

γ (deg) \ C(deg)	0	15	30	45	60	75	90	105	120	135	150	165	180	195	210
0.0	6539	6528	6518	6510	6503	6496	6491	6487	6484	6482	6477	6475	6539	6528	6518
5.0	6520	6509	6504	6494	6491	6482	6482	6474	6472	6465	6460	6452	6508	6498	6484
10.0	6460	6449	6447	6437	6435	6425	6426	6418	6416	6406	6400	6389	6438	6429	6412
15.0	6355	6344	6346	6335	6337	6325	6328	6320	6319	6305	6297	6281	6325	6315	6296
20.0	6200	6187	6199	6182	6190	6174	6188	6173	6176	6154	6149	6122	6159	6150	6125
25.0	5995	5987	6000	5986	5994	5982	5997	5984	5983	5959	5950	5921	5949	5939	5912
30.0	5743	5733	5752	5739	5749	5736	5755	5740	5739	5711	5702	5667	5687	5680	5646
35.0	5446	5427	5457	5437	5458	5436	5465	5443	5451	5411	5409	5362	5374	5367	5330
40.0	5086	5075	5103	5087	5110	5092	5117	5101	5106	5065	5055	5008	5014	5007	4966
45.0	4667	4654	4692	4673	4706	4684	4715	4695	4702	4653	4642	4586	4586	4578	4532
50.0	4199	4167	4224	4196	4245	4208	4250	4215	4248	4180	4182	4104	4091	4083	4023
55.0	3640	3623	3674	3659	3712	3674	3712	3690	3709	3657	3652	3573	3538	3524	3461
60.0	3009	2994	3057	3043	3094	3060	3117	3089	3111	3037	3027	2944	2901	2890	2845
65.0	2215	2267	2371	2311	2363	2332	2440	2371	2392	2281	2219	2196	2145	2166	2097
70.0	1555	1546	1655	1614	1691	1630	1720	1656	1708	1620	1633	1489	1410	1450	1361
75.0	828	784	884	881	938	855	935	880	966	877	848	736	713	713	654
80.0	297	222	321	391	342	379	390	385	363	377	301	213	193	148	154
85.0	67.0	27.7	74.1	50.4	80.4	35.9	98.0	38.0	85.6	48.2	65.1	25.5	27.1	45.2	22.0
90.0	19.4	9.09	20.2	8.80	20.7	8.90	21.4	8.90	21.2	8.90	19.9	9.30	9.70	19.5	9.80
95.0	19.5	11.9	19.4	11.7	19.5	11.7	19.5	11.5	19.5	11.7	19.5	12.1	12.9	20.0	13.0
100.0	21.2	15.4	21.1	15.2	21.1	15.0	21.1	15.0	21.1	15.2	21.1	15.7	16.6	22.1	16.6
105.0	24.1	19.3	23.8	19.0	23.7	19.1	23.7	18.9	23.7	19.1	23.9	19.6	21.0	25.0	20.7
110.0	27.2	23.4	26.6	23.0	26.6	23.1	26.9	22.9	26.6	23.1	26.9	23.8	25.4	28.2	24.9
115.0	30.7	27.4	30.0	26.9	29.9	27.2	30.3	27.0	29.9	27.0	30.1	27.7	29.6	31.7	28.7
120.0	34.2	31.5	33.3	30.7	33.2	31.2	33.8	31.0	33.2	31.0	33.5	31.9	33.8	35.4	32.9
125.0	37.9	35.5	36.7	34.7	36.7	35.4	37.4	35.0	36.7	34.9	37.0	35.9	38.0	38.9	37.0
130.0	41.5	39.3	40.2	38.7	40.4	39.3	41.1	39.0	40.2	38.8	40.7	39.8	42.0	42.5	41.0
135.0	45.2	43.2	43.9	42.7	44.2	43.5	44.8	42.8	43.9	42.7	44.4	44.0	46.0	46.3	44.9
140.0	48.6	47.0	47.4	46.5	47.7	47.5	48.2	46.7	47.2	46.5	48.0	47.9	49.7	50.0	48.5
145.0	51.8	50.5	50.8	50.1	51.2	51.2	51.5	50.0	50.7	50.1	51.4	51.5	52.8	53.3	51.8
150.0	54.7	53.6	53.8	53.3	54.4	54.7	54.5	53.2	53.7	53.3	54.5	54.7	55.8	56.5	55.0
155.0	57.4	56.4	56.5	56.3	57.3	57.7	57.0	56.0	56.4	56.3	57.3	57.7	58.4	59.1	57.7
160.0	59.7	58.7	58.8	58.7	59.7	60.2	59.6	58.4	58.8	58.7	59.8	60.2	61.0	61.4	60.0
165.0	62.1	61.0	61.0	60.9	62.0	62.3	62.0	60.7	61.0	61.0	62.0	62.3	63.4	63.4	61.9
170.0	64.4	62.9	63.0	62.8	63.5	63.8	64.4	62.6	63.0	62.8	63.7	63.9	65.5	64.7	63.5
175.0	66.1	64.3	64.6	64.2	64.9	64.7	66.0	64.0	64.5	64.0	64.8	64.6	66.5	65.5	64.4
180.0	67.0	65.1	65.2	64.8	65.2	64.9	66.5	64.9	65.0	64.6	65.1	64.9	67.0	65.5	64.8

Test System:HOP00 HPG1800
 Temperature:25.3'C
 Operators:
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Test Set: 5.0deg/s C-Gamma (TYPE C)
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UNIT: cd

C(deg) γ (deg)	225	240	255	270	285	300	315	330	345
0.0	6510	6503	6496	6491	6487	6484	6482	6477	6475
5.0	6477	6468	6462	6455	6452	6448	6450	6447	6451
10.0	6409	6394	6391	6380	6380	6374	6383	6377	6389
15.0	6291	6277	6275	6261	6262	6257	6269	6264	6279
20.0	6123	6105	6104	6088	6091	6085	6103	6099	6118
25.0	5912	5889	5891	5870	5876	5872	5893	5890	5915
30.0	5646	5621	5625	5601	5608	5603	5627	5627	5659
35.0	5327	5298	5305	5279	5287	5280	5310	5310	5350
40.0	4962	4932	4939	4907	4916	4909	4951	4948	4994
45.0	4533	4492	4504	4465	4478	4470	4519	4516	4575
50.0	4031	3990	4011	3965	3975	3957	4019	4021	4089
55.0	3470	3431	3463	3413	3418	3395	3463	3476	3551
60.0	2826	2847	2819	2857	2752	2843	2828	2844	2914
65.0	2119	2023	2075	2012	2040	1999	2095	2112	2177
70.0	1402	1324	1363	1277	1328	1293	1398	1372	1468
75.0	712	634	662	580	633	625	711	660	740
80.0	153	135	155	140	153	135	158	154	229
85.0	51.7	18.0	37.9	15.2	33.7	17.1	49.9	20.2	45.7
90.0	19.4	10.0	19.4	9.90	19.3	10.0	19.4	9.70	19.3
95.0	20.1	13.0	20.0	13.0	20.0	13.0	20.1	12.7	19.6
100.0	22.2	16.7	22.2	16.9	22.3	16.7	22.1	16.4	21.6
105.0	25.0	20.8	25.0	21.1	25.2	20.8	25.0	20.4	24.5
110.0	28.2	24.9	28.4	25.4	28.4	24.9	28.0	24.4	27.7
115.0	31.6	28.9	31.9	29.6	31.9	28.9	31.4	28.4	31.2
120.0	35.0	33.0	35.5	33.7	35.5	32.9	34.7	32.4	34.7
125.0	38.5	36.8	38.9	37.9	39.0	36.8	38.2	36.3	38.2
130.0	42.0	40.7	42.5	41.8	42.5	40.7	41.7	40.2	41.9
135.0	45.6	44.7	46.2	45.6	46.3	44.7	45.4	44.1	45.5
140.0	49.0	48.2	49.5	49.2	49.9	48.2	48.6	47.7	48.7
145.0	52.3	51.5	52.6	52.2	53.2	51.5	52.0	51.0	52.0
150.0	55.1	54.5	55.4	55.0	56.3	54.5	54.9	54.0	54.7
155.0	57.7	57.0	57.7	57.5	58.7	57.3	57.4	56.5	57.2
160.0	59.8	59.2	59.8	60.0	61.0	59.6	59.6	58.7	59.3
165.0	61.7	61.1	61.7	62.3	63.0	61.5	61.5	60.7	61.5
170.0	63.5	63.0	63.4	64.4	64.4	63.0	63.2	62.6	63.2
175.0	64.8	64.2	64.7	65.6	65.2	64.2	64.5	64.0	64.6
180.0	65.2	64.8	65.4	66.1	65.3	64.6	65.0	64.6	65.3

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