

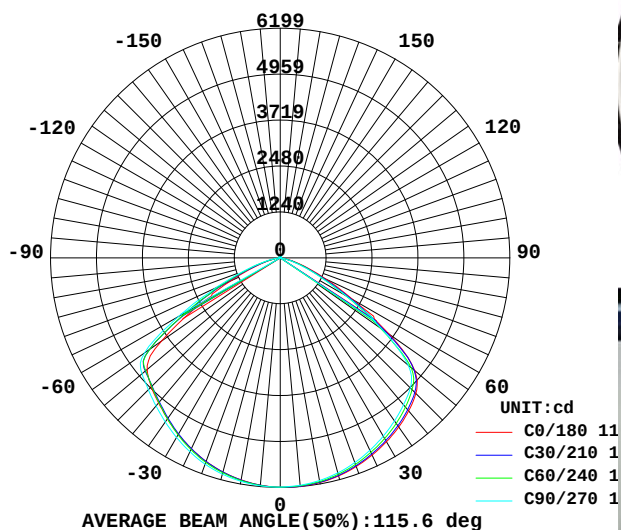
LUMINAIRE PHOTOMETRIC TEST REPORT

Report number:

MANUFACTURER:			
Address:			
NAME: Kolokol 100W lens 120deg. + Glass 30min		TYPE:	WEIGHT:
SPECIFICATION:	CCT(K): 4901	DIMENSION:	SERIAL No.:

DATA OF LAMP		Imax(cd)	6199	S/MH(C0/180)	1.33
MODEL		EFFICIENCY(%)	100.0	S/MH(C90/270)	1.35
NOMINAL POWER(W)	100	TOTAL FLUX(lm)	17754.3	Voltage(V)	220.3
RATED VOLTAGE(V)	220	EFFICIENCY(lm/W)	176.8	Current(A)	0.468
NOMINAL FLUX(lm)	17754.3	η up(%)	1.2	Power(W)	100.4
LAMPS QUANTITY	1	η down(%)	98.8	Power Factor(PF)	0.973
TEST VOLTAGE(V)	220.3	Effective Flux(lm)	17754.2	EEI	0.077

LUMINOUS INTENSITY DISTRIBUTION



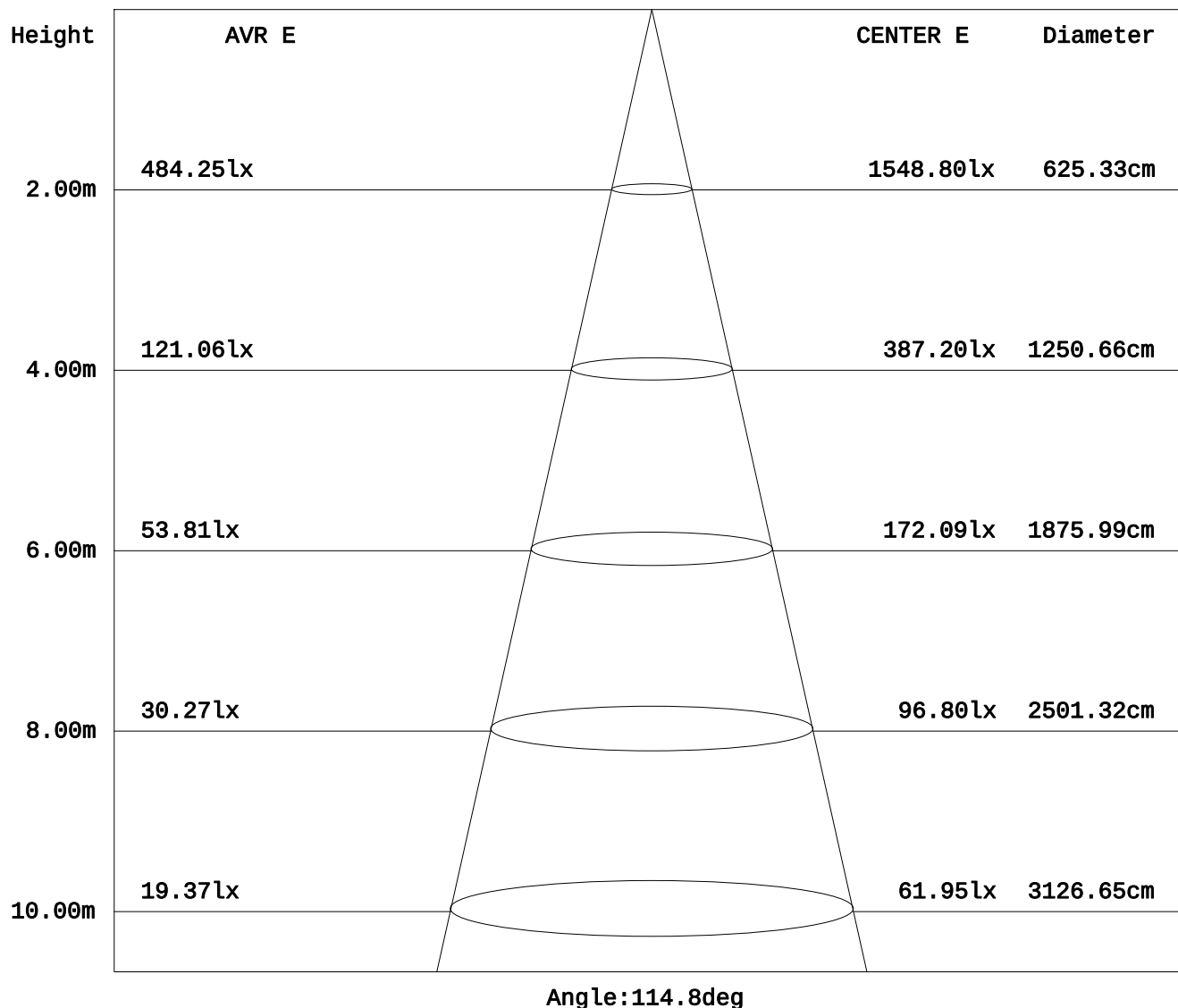
Test System: HOP00 HPG1800
 Temperature: 25.3°C
 Operators:
 Test Date: 11-29-2022

Test Set: 5.0deg/s C-Gamma (TYPE C)
 Humidity: 65.0%
 Test Distance: 10.000 m
 Remarks: 70Ra. 0.0% Flickering.

AVERAGE AND CENTER E Figure

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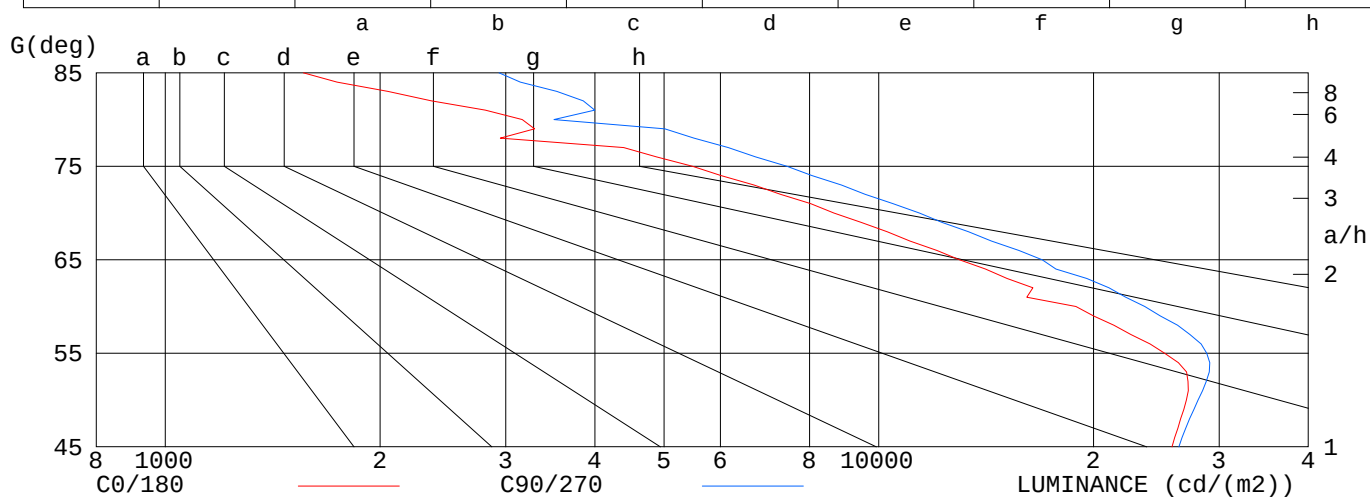
LUMINANCE LIMITATION CURVES

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NAME: Kolokol 100W lens 120deg. + Glass 30min		TYPE:	WEIGHT:
SPECIFICATION:	CCT(K): 4901	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	1562	2936
80	3165	3506
75	5484	7436
70	8650	11402
65	12973	16941
60	18895	23592
55	25164	28813
50	26985	28026
45	25765	26344

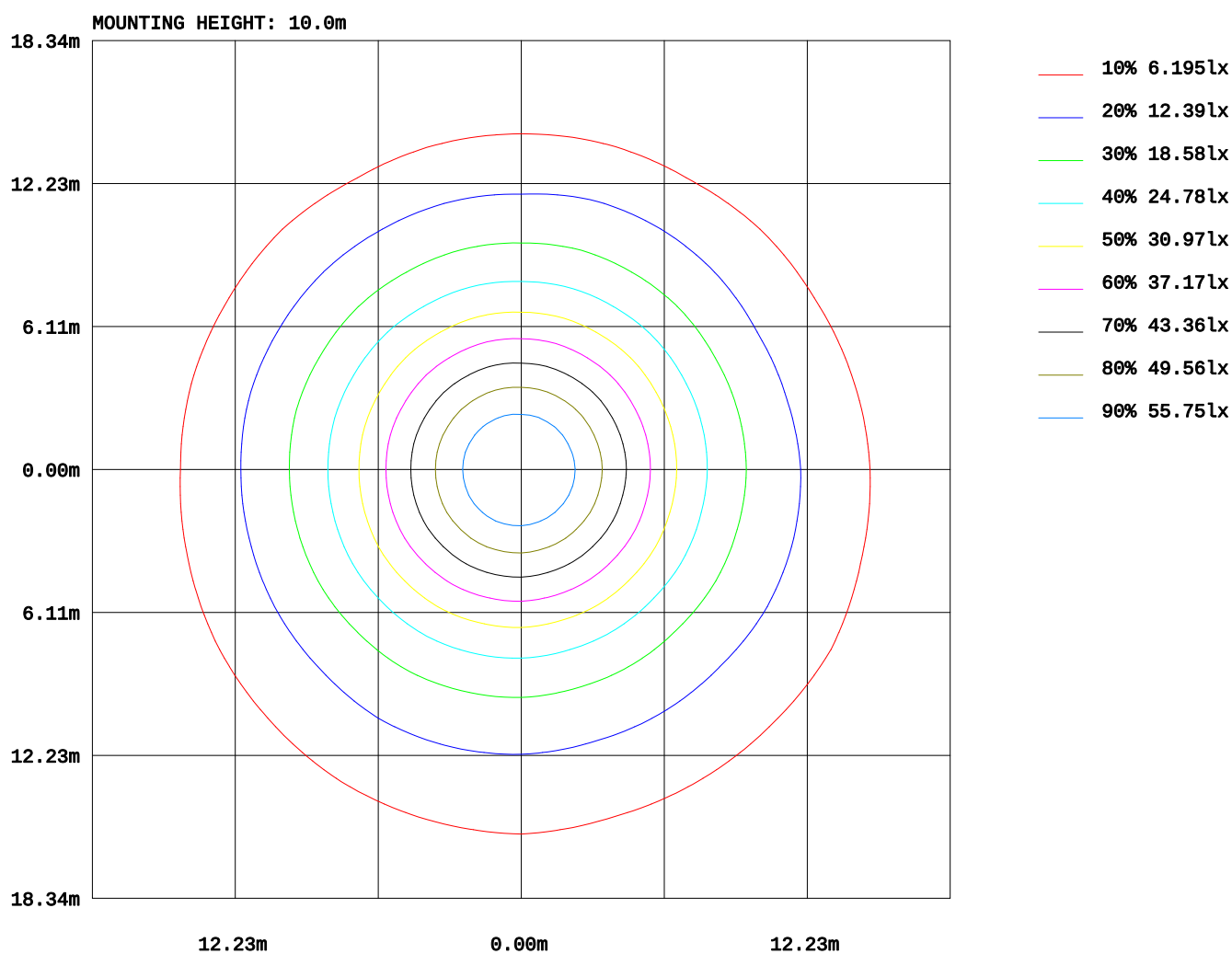
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ISOLUX DIAGRAM

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UGR Table

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SPECIFICATION:	CCT(K): 4901	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	26.0	24.8	26.2	26.4
3H	24.4	25.7	24.7	26.0	26.2	25.0	26.3	25.3	26.6	26.8
4H	24.4	25.6	24.7	25.9	26.2	25.0	26.3	25.4	26.5	26.8
6H	24.3	25.5	24.7	25.8	26.1	25.0	26.2	25.3	26.4	26.7
8H	24.3	25.4	24.6	25.7	26.0	25.0	26.1	25.3	26.4	26.7
12H	24.2	25.3	24.6	25.6	25.9	24.9	26.0	25.3	26.3	26.6
4H 2H	24.4	25.7	24.8	25.9	26.2	24.8	26.0	25.1	26.3	26.6
3H	24.8	25.9	25.2	26.2	26.5	25.3	26.4	25.7	26.7	27.0
4H	24.8	25.8	25.2	26.1	26.5	25.4	26.4	25.8	26.7	27.1
6H	24.8	25.6	25.2	26.0	26.4	25.4	26.2	25.8	26.6	27.0
8H	24.8	25.5	25.2	25.9	26.3	25.4	26.2	25.8	26.5	26.9
12H	24.7	25.4	25.2	25.8	26.3	25.3	26.1	25.8	26.5	26.9
8H 4H	24.8	25.6	25.2	26.0	26.4	25.4	26.1	25.8	26.5	26.9
6H	24.8	25.4	25.2	25.8	26.3	25.4	26.0	25.8	26.4	26.9
8H	24.7	25.3	25.2	25.8	26.2	25.3	25.9	25.8	26.4	26.8
12H	24.7	25.2	25.2	25.7	26.2	25.3	25.8	25.8	26.3	26.8
12H 4H	24.8	25.5	25.2	25.9	26.3	25.3	26.0	25.8	26.4	26.9
6H	24.7	25.3	25.2	25.7	26.2	25.3	25.9	25.8	26.3	26.8
8H	24.7	25.2	25.2	25.7	26.2	25.3	25.8	25.8	26.3	26.8

Variations with the observer position at spacings:

S = 1.0H	+ 0.2 / - 0.3	+ 0.1 / - 0.2
1.5H	+ 1.1 / - 1.5	+ 0.9 / - 1.1
2.0H	+ 1.3 / - 2.1	+ 1.0 / - 1.4

CIE Pub.117 Corrected 17754 lm Total Lamp Luminous Flux.(8log(F/F0) = 10.0)

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 Temperature:25.3'C
 Operators:
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Test Set: 5.0deg/s C-Gamma (TYPE C)
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SPECIFICATION:	CCT(K): 4901	DIMENSION:	SERIAL No.:

UNIT: cd

C(deg) γ (deg)	0	15	30	45	60	75	90	105	120	135	150	165	180	195	210
0.0	6195	6195	6195	6193	6192	6191	6188	6189	6187	6187	6184	6186	6195	6195	6195
5.0	6158	6157	6162	6160	6167	6169	6176	6179	6185	6186	6188	6187	6194	6194	6189
10.0	6085	6082	6089	6089	6103	6109	6126	6133	6147	6151	6159	6157	6162	6163	6153
15.0	5985	5979	5988	5990	6008	6018	6045	6056	6078	6083	6097	6094	6095	6097	6080
20.0	5850	5841	5852	5853	5876	5892	5926	5944	5973	5980	5999	5996	5997	5997	5975
25.0	5686	5671	5682	5681	5710	5729	5775	5799	5837	5849	5876	5874	5874	5873	5845
30.0	5504	5481	5492	5486	5519	5544	5601	5630	5682	5703	5740	5737	5733	5737	5697
35.0	5306	5274	5280	5268	5307	5335	5408	5447	5512	5536	5579	5577	5579	5581	5537
40.0	5110	5070	5076	5055	5099	5131	5217	5261	5334	5349	5391	5389	5396	5406	5352
45.0	4926	4895	4899	4862	4907	4936	5037	5081	5153	5145	5178	5168	5178	5207	5135
50.0	4690	4744	4758	4702	4739	4761	4871	4920	4957	4852	4815	4758	4746	4794	4725
55.0	3903	4082	4304	4248	4301	4285	4469	4497	4428	4123	3931	3715	3576	3560	3496
60.0	2555	2579	2863	2979	2926	3002	3190	2984	2922	2978	2779	2515	2278	2128	2183
65.0	1483	1481	1678	1699	1765	1804	1936	1762	1750	1684	1748	1534	1370	1356	1256
70.0	800	777	877	889	973	974	1055	947	983	928	979	848	760	757	677
75.0	384	362	424	417	487	461	520	469	507	462	479	406	358	359	344
80.0	149	102	160	135	165	143	165	153	166	154	164	125	114	132	79.1
85.0	36.7	14.3	43.2	26.8	47.9	22.0	69.1	24.5	59.2	35.2	47.7	17.6	20.4	32.2	14.5
90.0	15.8	7.00	16.1	6.70	16.6	6.80	18.0	6.80	18.0	6.90	16.9	7.10	7.50	15.9	7.70
95.0	16.3	9.60	16.1	9.30	16.0	9.09	16.1	9.00	16.1	9.30	16.3	9.80	10.5	16.7	10.8
100.0	18.4	13.2	18.0	12.8	17.9	12.7	17.9	12.5	18.0	12.8	18.2	13.4	14.4	19.3	14.8
105.0	21.5	17.4	21.1	16.9	20.9	16.6	20.7	16.5	20.8	16.7	21.1	17.5	18.9	22.5	19.2
110.0	25.4	22.0	24.6	21.5	24.5	21.2	24.4	21.1	24.4	21.2	24.7	22.0	23.6	26.4	23.7
115.0	29.4	26.6	28.6	26.1	28.4	26.0	28.2	25.7	28.2	25.7	28.5	26.6	28.4	30.4	28.0
120.0	33.5	31.0	32.6	30.3	32.3	30.4	32.4	30.0	32.1	30.0	32.2	30.7	32.7	34.0	32.0
125.0	37.5	35.1	36.0	34.2	35.9	34.5	36.3	34.0	35.5	33.7	35.7	34.9	36.7	37.5	35.7
130.0	41.1	39.0	39.5	38.1	39.5	38.6	39.8	38.0	38.8	37.5	39.2	38.7	40.5	41.0	39.5
135.0	44.5	42.6	43.0	42.0	43.2	42.3	43.3	41.6	42.2	41.4	42.8	42.5	44.0	44.4	43.2
140.0	47.9	46.3	46.5	45.7	46.7	46.5	46.9	45.4	45.7	45.2	46.5	46.5	47.6	48.0	47.0
145.0	51.4	50.1	50.1	49.7	50.4	50.7	50.5	49.2	49.3	49.0	50.0	50.5	51.4	51.8	50.8
150.0	54.7	53.7	53.7	53.5	54.2	54.5	54.1	52.8	53.1	52.7	53.7	54.2	54.7	55.4	54.2
155.0	57.7	56.8	56.9	56.6	57.5	57.9	57.2	56.1	56.1	56.0	56.9	57.3	57.5	58.2	56.9
160.0	59.8	58.9	59.2	58.9	60.0	60.2	59.6	58.4	58.6	58.2	59.2	59.5	59.7	60.2	58.7
165.0	61.6	60.5	60.7	60.3	61.5	61.5	61.5	60.0	60.2	59.8	60.9	61.0	61.5	61.5	60.1
170.0	63.2	61.6	62.0	61.5	62.5	62.5	63.2	61.4	61.6	61.1	62.1	62.1	63.2	62.5	61.2
175.0	64.5	62.5	63.0	62.5	63.3	63.0	64.5	62.4	62.8	62.3	63.0	62.9	64.4	63.3	62.3
180.0	64.9	63.0	63.3	62.9	63.4	63.0	64.8	63.0	63.3	62.9	63.4	63.2	65.0	63.5	62.9

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	6193	6192	6191	6188	6189	6187	6187	6184	6186
5.0	6186	6178	6173	6163	6161	6155	6152	6146	6147
10.0	6147	6133	6124	6105	6101	6087	6084	6073	6073
15.0	6074	6050	6041	6010	6008	5986	5985	5969	5972
20.0	5966	5936	5920	5884	5876	5854	5851	5834	5836
25.0	5832	5793	5774	5731	5719	5692	5692	5672	5676
30.0	5685	5632	5614	5559	5554	5520	5523	5493	5500
35.0	5519	5459	5435	5379	5375	5341	5340	5306	5305
40.0	5330	5259	5234	5180	5189	5152	5152	5104	5109
45.0	5119	5034	5016	4966	5006	4961	4935	4848	4879
50.0	4705	4620	4590	4515	4670	4642	4566	4429	4507
55.0	3480	3300	3341	3347	3369	3326	3483	3484	3652
60.0	2121	2037	2104	2055	2075	1964	2132	2332	2468
65.0	1287	1173	1249	1141	1163	1083	1255	1368	1481
70.0	695	631	660	568	605	575	676	687	783
75.0	328	255	292	212	266	224	307	247	352
80.0	129	68.8	106	59.7	92.0	59.5	111	62.9	119
85.0	32.7	10.9	23.6	8.20	20.8	8.60	26.4	9.80	26.1
90.0	16.0	8.00	16.0	8.29	15.9	8.10	15.9	7.80	15.8
95.0	17.2	11.2	17.2	11.5	17.2	11.3	17.0	10.7	16.5
100.0	19.6	15.2	19.9	15.6	20.0	15.4	19.6	14.7	19.0
105.0	23.0	19.6	23.4	20.2	23.5	19.9	23.0	19.1	22.3
110.0	26.8	24.1	27.2	24.9	27.5	24.5	26.9	23.8	26.3
115.0	30.5	28.6	31.2	29.6	31.5	29.0	31.0	28.4	30.5
120.0	34.0	32.5	34.9	33.8	35.2	33.0	34.5	32.6	34.5
125.0	37.2	36.1	38.5	37.7	38.7	36.7	38.0	36.5	38.2
130.0	40.7	40.0	41.9	41.5	42.2	40.7	41.6	40.4	41.9
135.0	44.2	43.7	45.2	45.2	45.7	44.5	45.1	44.2	45.2
140.0	47.7	47.2	48.5	48.6	49.2	48.1	48.5	47.7	48.5
145.0	51.3	50.9	52.1	52.2	53.1	51.7	52.0	51.3	51.8
150.0	54.5	54.1	55.0	55.2	56.4	55.0	55.0	54.5	55.0
155.0	57.0	56.5	57.5	57.5	58.9	57.5	57.7	57.0	57.7
160.0	58.7	58.2	59.2	59.2	60.7	59.3	59.6	58.8	59.7
165.0	60.2	59.6	60.3	61.0	61.9	60.6	60.9	60.2	61.0
170.0	61.5	61.0	61.6	62.5	62.8	61.6	62.0	61.5	62.3
175.0	62.6	62.1	62.8	63.8	63.4	62.5	62.9	62.5	63.2
180.0	63.3	62.9	63.5	64.3	63.5	62.8	63.3	62.9	63.7

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