

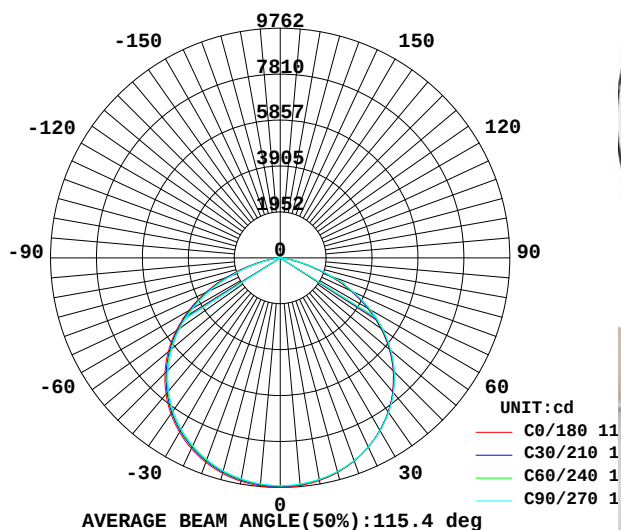
LUMINAIRE PHOTOMETRIC TEST REPORT

Report number:

MANUFACTURER:			
Address:			
NAME: Kolokol 150W Glass only 30 min		TYPE:	WEIGHT:
SPECIFICATION:	CCT(K): 5092	DIMENSION:	SERIAL No.:

DATA OF LAMP		Imax(cd)	9762	S/MH(C0/180)	1.30
MODEL		EFFICIENCY(%)	100.0	S/MH(C90/270)	1.29
NOMINAL POWER(W)	148	TOTAL FLUX(lm)	27756.3	Voltage(V)	220.0
RATED VOLTAGE(V)	220	EFFICIENCY(lm/W)	186.5	Current(A)	0.688
NOMINAL FLUX(lm)	27756.3	η up(%)	1.1	Power(W)	148.8
LAMPS QUANTITY	1	η down(%)	98.9	Power Factor(PF)	0.983
TEST VOLTAGE(V)	220.0	Effective Flux(lm)	27756.3	EEI	0.073

LUMINOUS INTENSITY DISTRIBUTION



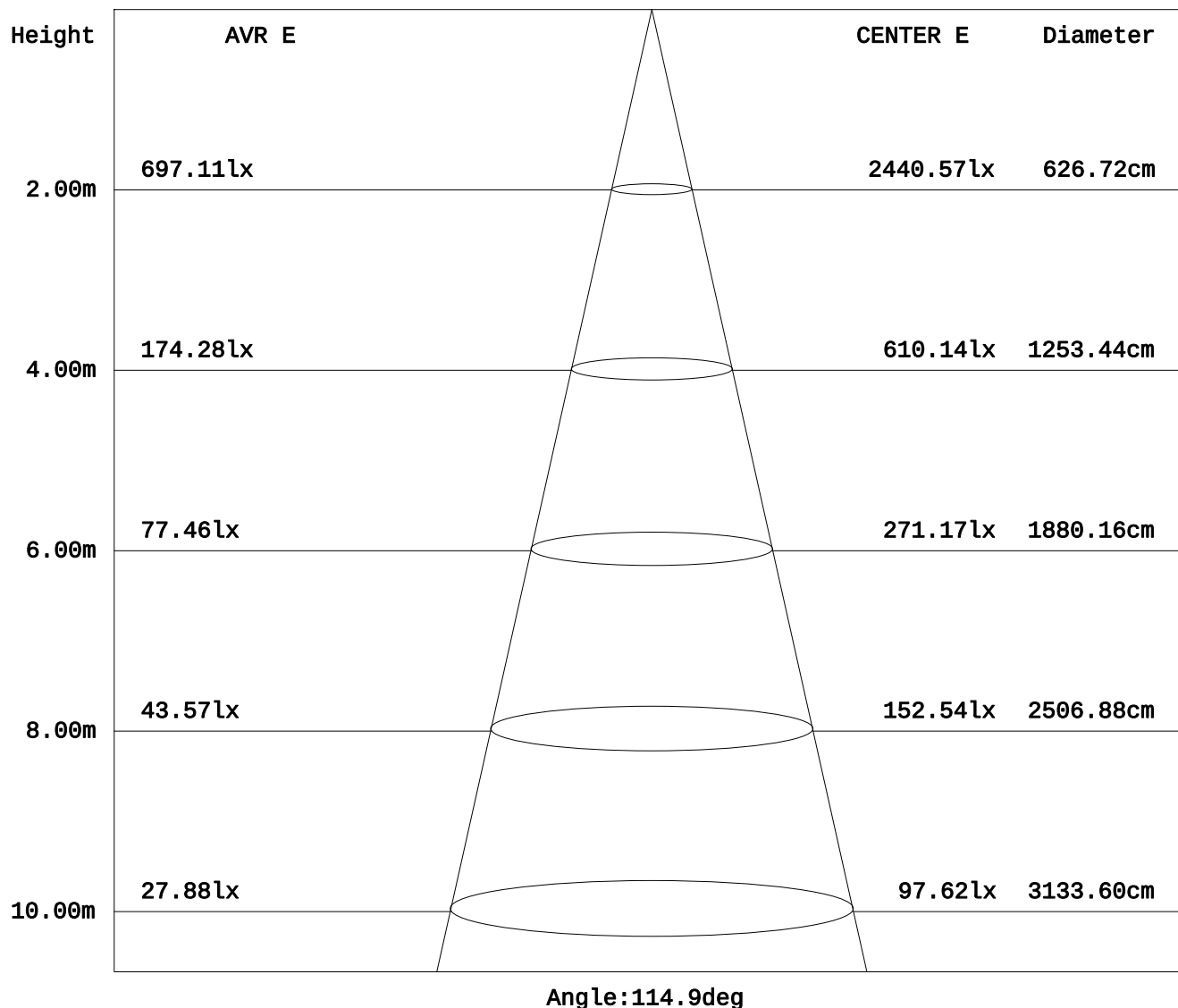
Test System: HOP00 HPG1800
 Temperature: 25.3°C
 Operators:
 Test Date: 11-29-2022

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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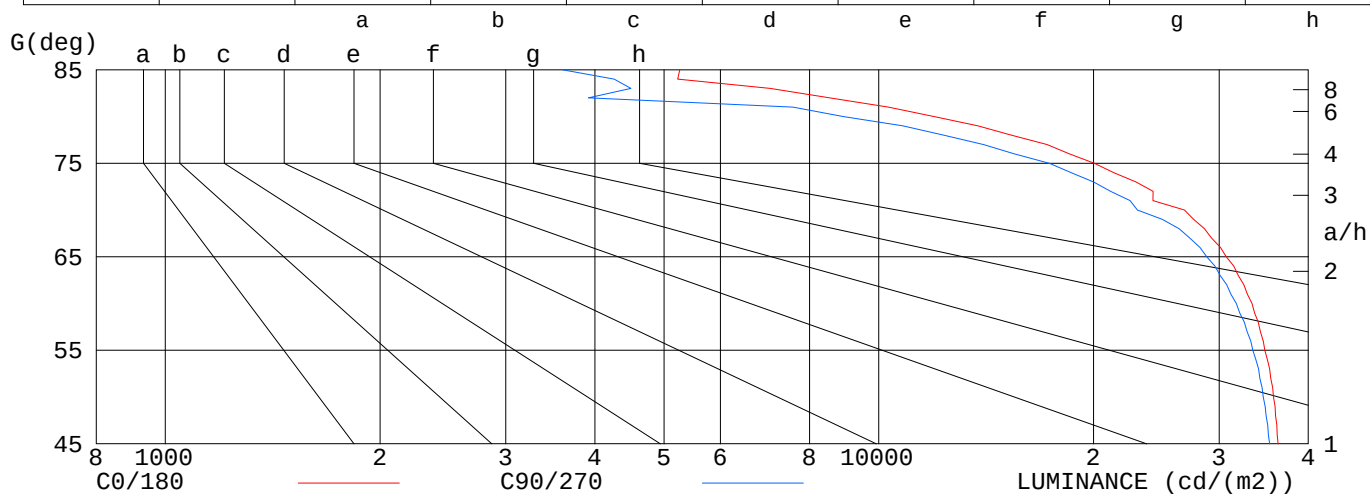
LUMINANCE LIMITATION CURVES

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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	5262	3607
80	11956	8921
75	20053	17340
70	26817	23040
65	30693	28818
60	33350	31714
55	34767	33441
50	35741	34580
45	36280	35301

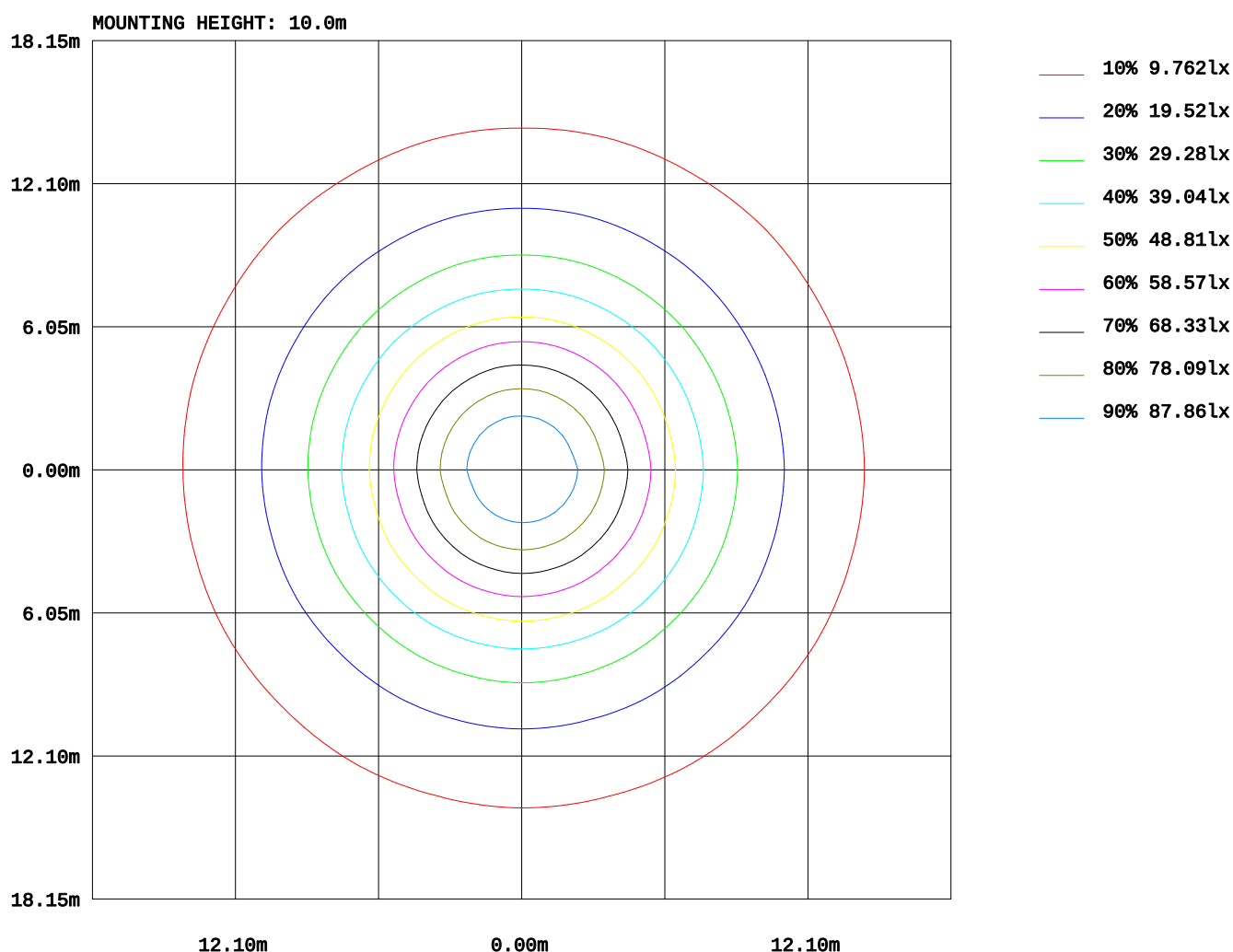
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ISOLUX DIAGRAM

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UGR Table

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SPECIFICATION:	CCT(K): 5092	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	25.3	26.7	25.5	27.0	27.2	25.1	26.6	25.4	26.8	27.0
3H	26.5	27.9	26.8	28.1	28.4	26.2	27.6	26.5	27.8	28.1
4H	26.8	28.1	27.2	28.4	28.7	26.5	27.8	26.8	28.0	28.3
6H	26.9	28.1	27.3	28.4	28.7	26.5	27.7	26.9	28.0	28.3
8H	26.9	28.1	27.3	28.4	28.7	26.5	27.6	26.8	27.9	28.3
12H	26.9	28.0	27.2	28.3	28.6	26.4	27.6	26.8	27.9	28.2
4H 2H	25.8	27.1	26.1	27.3	27.6	25.6	26.9	26.0	27.2	27.5
3H	27.2	28.3	27.5	28.6	28.9	26.9	28.0	27.3	28.3	28.7
4H	27.5	28.6	27.9	28.9	29.3	27.2	28.2	27.6	28.6	28.9
6H	27.7	28.6	28.1	29.0	29.3	27.3	28.2	27.7	28.6	29.0
8H	27.7	28.5	28.1	28.9	29.3	27.3	28.1	27.7	28.5	28.9
12H	27.6	28.4	28.1	28.8	29.2	27.2	28.0	27.7	28.4	28.8
8H 4H	27.6	28.4	28.0	28.8	29.2	27.3	28.2	27.7	28.5	28.9
6H	27.8	28.5	28.3	28.9	29.4	27.5	28.1	27.9	28.6	29.0
8H	27.8	28.4	28.3	28.9	29.3	27.4	28.0	27.9	28.5	29.0
12H	27.8	28.3	28.3	28.8	29.3	27.4	27.9	27.9	28.4	28.9
12H 4H	27.6	28.3	28.0	28.7	29.2	27.3	28.1	27.7	28.5	28.9
6H	27.8	28.4	28.3	28.8	29.3	27.4	28.0	27.9	28.5	29.0
8H	27.8	28.3	28.3	28.8	29.3	27.4	27.9	27.9	28.4	28.9

Variations with the observer position at spacings:

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

CIE Pub.117 Corrected 27756 lm Total Lamp Luminous Flux.(8log(F/F0) = 11.5)

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

LUMINOUS DISTRIBUTION INTENSITY DATA

Report number:

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SPECIFICATION:	CCT(K): 5092	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	9762	9736	9721	9709	9702	9690	9682	9674	9668	9658	9655	9648	9762	9736	9721
5.0	9732	9703	9686	9670	9661	9648	9639	9629	9624	9614	9613	9608	9718	9697	9682
10.0	9641	9608	9594	9572	9564	9545	9537	9524	9519	9508	9511	9503	9612	9594	9583
15.0	9487	9450	9432	9407	9399	9377	9370	9351	9349	9336	9342	9334	9437	9432	9415
20.0	9251	9207	9192	9161	9153	9127	9120	9101	9101	9086	9095	9088	9196	9192	9181
25.0	8943	8895	8878	8841	8835	8803	8802	8777	8781	8762	8777	8770	8874	8876	8865
30.0	8565	8515	8501	8456	8449	8414	8416	8388	8393	8374	8391	8384	8473	8489	8468
35.0	8099	8046	8032	7983	7981	7939	7940	7908	7920	7896	7921	7911	8003	8017	8010
40.0	7556	7489	7477	7427	7426	7377	7378	7344	7361	7335	7369	7354	7437	7458	7450
45.0	6937	6870	6859	6800	6802	6743	6750	6709	6731	6703	6746	6730	6787	6834	6809
50.0	6212	6139	6135	6067	6068	5999	6010	5965	5997	5960	6004	5990	6060	6098	6087
55.0	5392	5324	5321	5246	5250	5177	5187	5133	5173	5130	5181	5163	5217	5272	5265
60.0	4509	4423	4425	4344	4359	4280	4288	4230	4271	4226	4287	4263	4294	4374	4339
65.0	3508	3414	3416	3329	3357	3273	3293	3219	3266	3214	3284	3252	3293	3368	3348
70.0	2480	2346	2362	2244	2127	2168	2131	2098	2118	2100	2127	2122	2204	2119	2239
75.0	1403	1295	1323	1224	1275	1170	1214	1115	1190	1114	1198	1149	1167	1271	1209
80.0	561	471	503	425	465	416	419	417	411	414	417	416	415	461	426
85.0	124	57.7	111	47.6	96.0	40.4	85.0	36.7	81.4	33.7	80.0	35.7	38.0	89.0	45.6
90.0	23.9	12.0	23.6	12.3	23.4	12.5	23.2	12.7	23.2	12.7	23.1	12.5	13.0	23.4	12.4
95.0	24.2	16.5	24.2	16.7	24.5	17.1	24.6	17.2	24.6	17.2	24.6	17.0	17.6	24.6	17.0
100.0	27.4	21.7	27.5	22.2	27.9	22.6	28.0	22.7	28.0	22.7	27.9	22.4	23.1	28.2	22.4
105.0	31.7	27.5	31.9	28.0	32.2	28.4	32.6	28.6	32.5	28.4	32.3	28.2	29.4	32.7	28.5
110.0	37.0	33.7	37.0	34.2	37.4	34.7	38.0	34.9	37.5	34.5	37.4	34.4	35.9	38.0	34.5
115.0	42.5	40.2	42.2	40.4	42.7	41.2	43.5	41.2	43.0	40.9	42.6	40.7	42.5	43.7	41.0
120.0	48.2	46.3	47.9	46.5	48.2	47.5	49.3	47.4	48.5	46.9	48.2	46.9	49.0	49.3	47.2
125.0	54.1	52.7	53.6	52.7	54.1	53.7	55.2	53.7	54.2	52.9	54.0	53.2	55.4	55.2	53.5
130.0	59.8	58.9	59.2	58.9	59.8	60.2	61.0	59.8	59.8	59.2	59.7	59.3	61.6	61.1	59.7
135.0	65.8	64.9	65.1	65.0	66.0	66.2	66.7	65.6	65.6	65.1	65.6	65.5	67.9	67.0	66.0
140.0	71.4	70.8	70.8	71.0	71.6	72.3	72.3	71.5	71.2	71.0	71.3	71.5	73.5	72.8	71.6
145.0	76.5	76.2	76.0	76.4	76.9	78.0	77.4	76.7	76.3	76.3	76.5	77.2	78.6	78.4	77.2
150.0	81.4	81.0	80.6	81.1	81.8	83.2	82.0	81.3	81.0	81.0	81.3	82.3	83.3	83.4	82.0
155.0	85.5	85.2	85.0	85.5	86.1	87.8	86.0	85.5	85.0	85.2	85.6	86.9	87.5	87.9	86.2
160.0	89.4	89.2	88.7	89.4	90.1	91.5	89.9	89.3	88.7	89.0	89.6	90.9	91.9	91.6	90.1
165.0	93.5	92.6	92.2	92.6	93.5	94.7	93.8	92.5	92.1	92.2	93.0	94.0	95.8	94.9	93.4
170.0	97.1	95.7	95.4	95.5	96.2	97.0	97.3	95.5	95.2	95.3	95.8	96.4	99.0	97.3	96.1
175.0	100	97.7	97.7	97.5	98.0	98.2	100	97.3	97.3	97.0	97.5	97.7	101	98.9	97.8
180.0	101	98.9	98.5	98.2	98.6	98.5	101	98.2	98.0	97.7	98.1	98.0	102	99.0	98.4

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
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LUMINOUS DISTRIBUTION INTENSITY DATA

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SPECIFICATION:	CCT(K): 5092	DIMENSION:	SERIAL No.:

UNIT: cd

C(deg) γ (deg)	225	240	255	270	285	300	315	330	345
0.0	9709	9702	9690	9682	9674	9668	9658	9655	9648
5.0	9675	9669	9665	9652	9648	9639	9632	9624	9618
10.0	9582	9574	9572	9561	9560	9548	9543	9533	9527
15.0	9425	9412	9418	9403	9409	9392	9393	9375	9373
20.0	9188	9179	9186	9175	9178	9163	9163	9145	9141
25.0	8878	8869	8882	8869	8874	8857	8858	8837	8834
30.0	8499	8482	8511	8486	8503	8475	8491	8452	8459
35.0	8035	8029	8052	8034	8049	8029	8038	8006	8000
40.0	7488	7481	7509	7489	7510	7488	7499	7463	7464
45.0	6872	6843	6894	6861	6899	6858	6889	6834	6855
50.0	6142	6130	6177	6157	6187	6156	6176	6130	6139
55.0	5320	5311	5365	5344	5389	5352	5374	5320	5331
60.0	4431	4393	4479	4441	4507	4443	4497	4419	4459
65.0	3432	3406	3477	3463	3519	3478	3514	3455	3467
70.0	2125	2297	2402	2377	2446	2407	2472	2401	2431
75.0	1328	1262	1377	1318	1418	1336	1433	1315	1388
80.0	496	461	536	500	568	518	578	513	557
85.0	101	56.1	116	65.4	119	66.5	123	65.9	117
90.0	23.5	12.1	23.7	11.8	23.9	11.7	24.0	11.8	23.8
95.0	24.4	16.5	24.2	16.2	24.1	16.1	24.1	16.2	24.2
100.0	27.7	22.0	27.4	21.5	27.2	21.4	27.2	21.5	27.4
105.0	32.1	27.9	31.7	27.5	31.5	27.2	31.5	27.4	31.7
110.0	37.2	34.0	36.8	33.8	36.5	33.3	36.5	33.5	36.8
115.0	42.7	40.2	42.5	40.4	42.0	39.7	42.0	39.7	42.5
120.0	48.4	46.5	48.2	46.9	47.7	45.8	47.5	46.0	48.1
125.0	54.1	52.7	54.0	53.1	53.5	52.0	53.1	52.1	53.8
130.0	59.7	58.9	59.7	59.3	59.3	58.2	58.7	58.2	59.7
135.0	65.5	65.1	65.4	65.4	65.2	64.5	64.4	64.4	65.2
140.0	71.1	70.8	71.0	71.1	71.0	70.3	70.0	70.0	70.7
145.0	76.4	76.0	76.2	76.3	76.5	75.7	75.4	75.4	76.0
150.0	81.0	80.9	80.8	81.0	81.5	80.5	80.0	80.1	80.5
155.0	85.2	85.0	85.0	85.2	86.2	85.0	84.4	84.4	84.6
160.0	89.2	88.8	88.9	89.6	90.3	89.0	88.4	88.2	88.5
165.0	92.5	92.2	92.2	93.6	93.6	92.4	91.6	91.5	91.9
170.0	95.5	95.4	95.4	97.2	96.5	95.3	94.8	94.8	95.0
175.0	97.7	97.5	97.6	99.6	98.2	97.1	97.2	97.0	97.3
180.0	98.5	98.2	98.7	101	98.5	97.8	98.1	97.8	98.4

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