

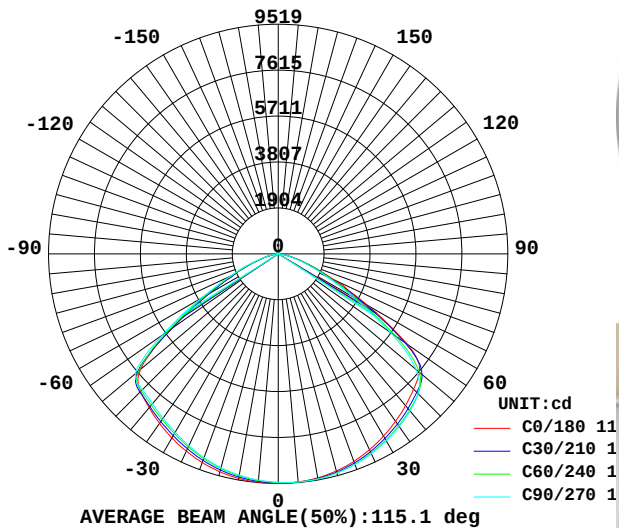
LUMINAIRE PHOTOMETRIC TEST REPORT

Report number:

MANUFACTURER:			
Address:			
NAME: Kolokol 150W lens 120 30min		TYPE:	WEIGHT:
SPECIFICATION:	CCT(K): 4972	DIMENSION:	SERIAL No.:

DATA OF LAMP		Imax(cd)	9519	S/MH(C0/180)	1.39
MODEL		EFFICIENCY(%)	100.0	S/MH(C90/270)	1.36
NOMINAL POWER(W)	150	TOTAL FLUX(lm)	27790.6	Voltage(V)	220.0
RATED VOLTAGE(V)	220	EFFICIENCY(lm/W)	185.1	Current(A)	0.694
NOMINAL FLUX(lm)	27790.6	η up(%)	1.1	Power(W)	150.1
LAMPS QUANTITY	1	η down(%)	98.9	Power Factor(PF)	0.983
TEST VOLTAGE(V)	220.0	Effective Flux(lm)	27790.6	EEI	0.074

LUMINOUS INTENSITY DISTRIBUTION



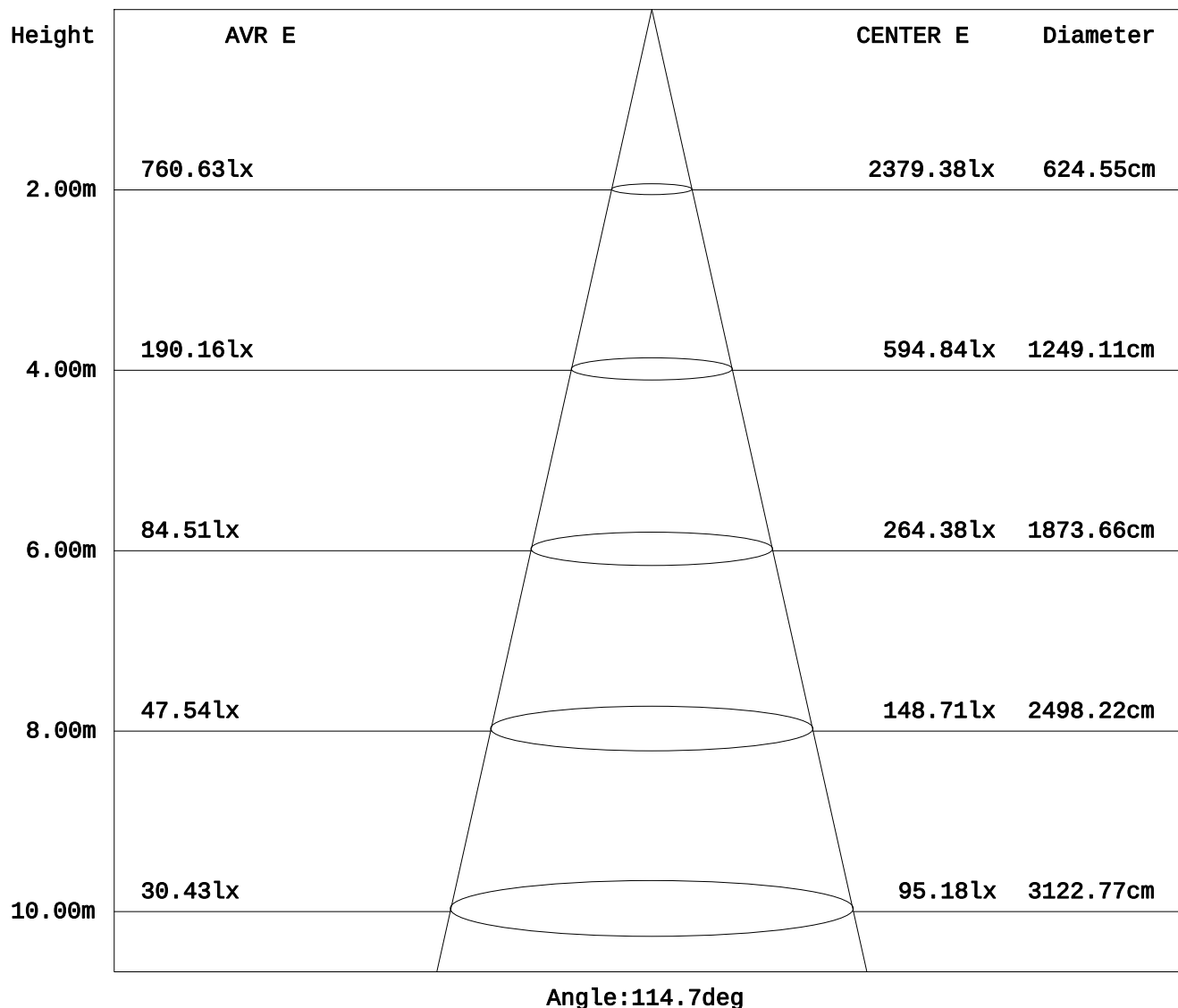
Test System: HOP00 HPG1800
 Temperature: 18°C
 Operators:
 Test Date: 11-29-2022

Test Set: 5.0deg/s C-Gamma (TYPE C)
 Humidity: 65.0%
 Test Distance: 10.000 m
 Remarks: 72Ra. 0.0% Flickering.

AVERAGE AND CENTER E Figure

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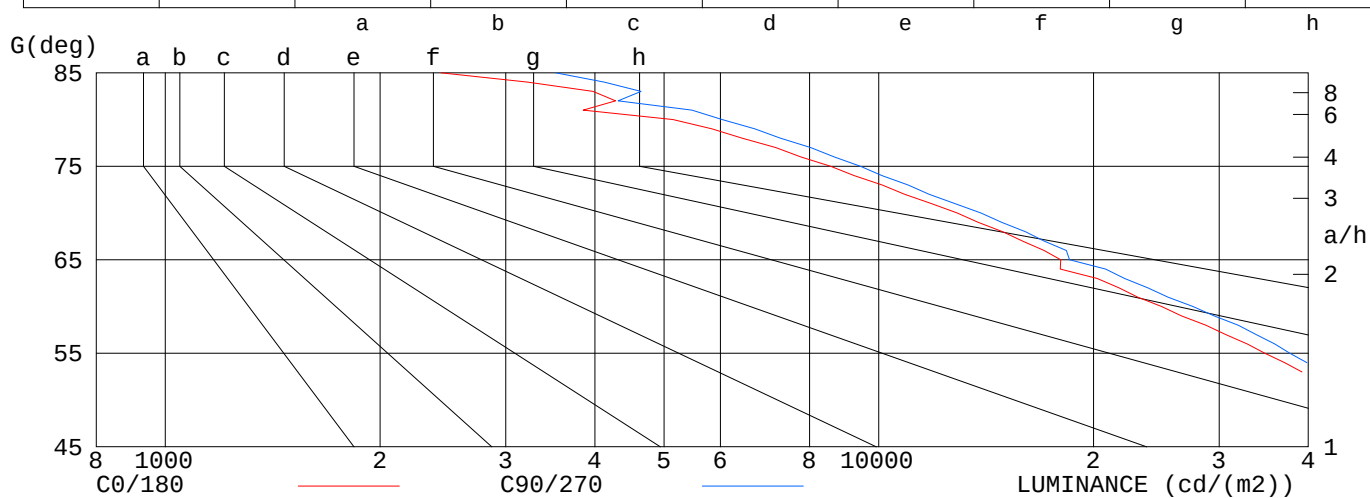
LUMINANCE LIMITATION CURVES

Report number:

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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	2436	3526
80	5148	6031
75	8562	9429
70	12885	13911
65	17993	18510
60	24913	27571
55	34764	37689
50	42866	44455
45	42215	41656

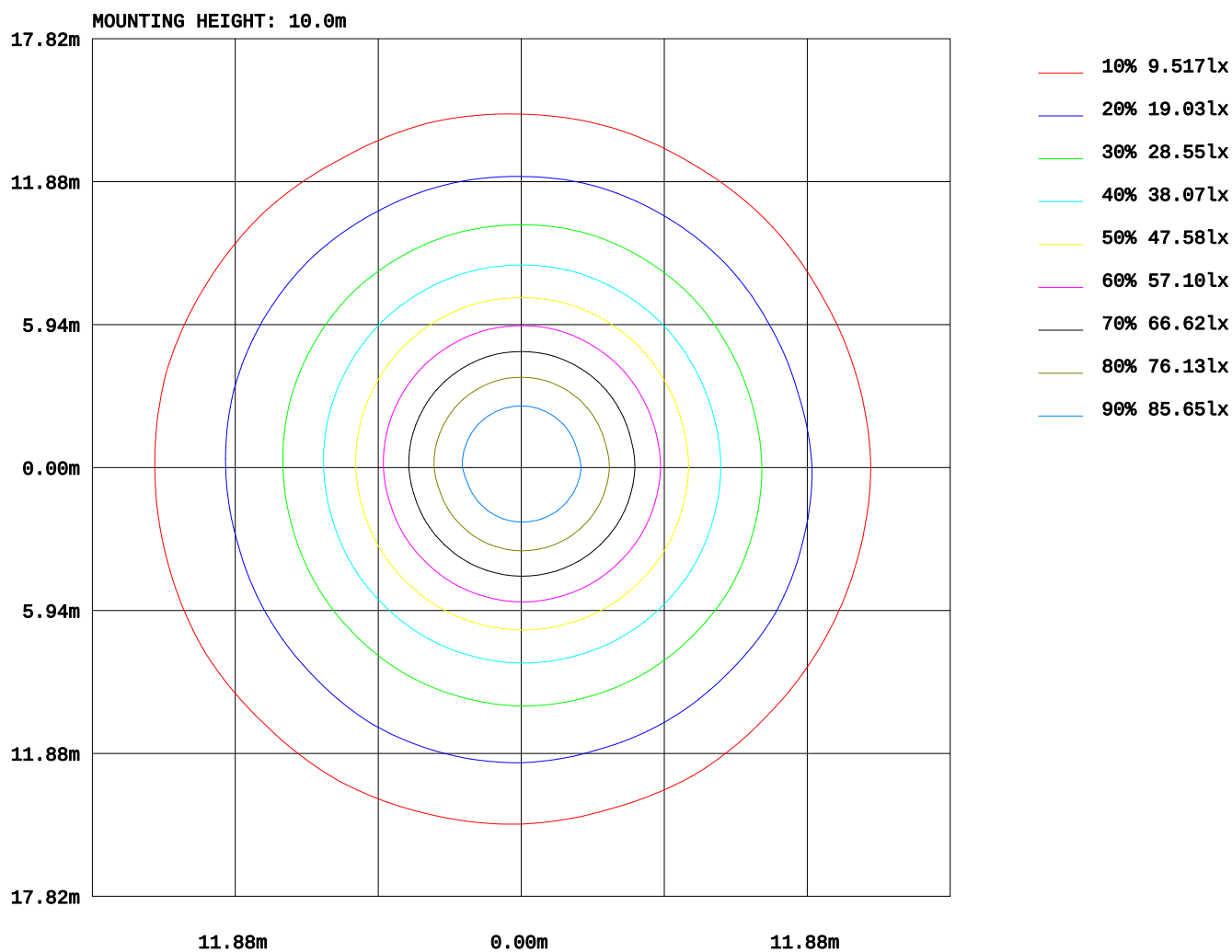
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ISOLUX DIAGRAM

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UGR Table

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SPECIFICATION:	CCT(K): 4972	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	24.9	26.4	25.2	26.6	26.8	25.2	26.6	25.4	26.8	27.0
3H	25.2	26.5	25.5	26.8	27.0	25.5	26.8	25.8	27.0	27.3
4H	25.2	26.4	25.5	26.7	27.0	25.5	26.7	25.8	27.0	27.3
6H	25.1	26.3	25.5	26.6	26.9	25.5	26.6	25.8	26.9	27.2
8H	25.1	26.2	25.5	26.5	26.8	25.4	26.5	25.8	26.8	27.2
12H	25.1	26.1	25.4	26.4	26.8	25.4	26.5	25.7	26.8	27.1
4H 2H	25.1	26.3	25.4	26.6	26.9	25.3	26.5	25.6	26.8	27.1
3H	25.4	26.5	25.8	26.8	27.1	25.7	26.8	26.1	27.1	27.4
4H	25.5	26.5	25.9	26.8	27.2	25.8	26.7	26.2	27.1	27.4
6H	25.5	26.3	25.9	26.7	27.1	25.8	26.6	26.2	27.0	27.4
8H	25.4	26.2	25.9	26.6	27.0	25.7	26.5	26.2	26.9	27.3
12H	25.4	26.1	25.8	26.5	27.0	25.7	26.4	26.1	26.8	27.2
8H 4H	25.4	26.2	25.9	26.6	27.0	25.7	26.5	26.1	26.9	27.3
6H	25.4	26.1	25.9	26.5	27.0	25.7	26.4	26.2	26.8	27.2
8H	25.4	26.0	25.9	26.4	26.9	25.7	26.3	26.2	26.7	27.2
12H	25.4	25.9	25.9	26.3	26.8	25.7	26.2	26.2	26.6	27.1
12H 4H	25.4	26.1	25.8	26.5	27.0	25.7	26.4	26.1	26.8	27.2
6H	25.4	26.0	25.9	26.4	26.9	25.7	26.3	26.2	26.7	27.2
8H	25.4	25.9	25.9	26.3	26.8	25.7	26.2	26.2	26.6	27.1

Variations with the observer position at spacings:

S = 1.0H	+ 0.4 / - 0.5	+ 0.4 / - 0.4
1.5H	+ 0.6 / - 1.3	+ 0.7 / - 1.5
2.0H	+ 1.7 / - 2.7	+ 1.7 / - 2.2

CIE Pub.117 Corrected 27791 lm Total Lamp Luminous Flux.(8log(F/F0) = 11.6)

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LUMINOUS DISTRIBUTION INTENSITY DATA

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SPECIFICATION:	CCT(K): 4972	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	9518	9507	9497	9490	9481	9474	9470	9464	9461	9453	9447	9444	9518	9507	9497
5.0	9508	9486	9468	9448	9434	9419	9414	9407	9407	9404	9410	9411	9494	9495	9497
10.0	9454	9421	9394	9364	9342	9323	9314	9307	9310	9310	9326	9337	9427	9443	9453
15.0	9356	9311	9277	9238	9212	9184	9175	9163	9171	9177	9201	9220	9313	9346	9365
20.0	9207	9150	9112	9065	9035	9002	8990	8979	8990	8996	9030	9058	9160	9200	9229
25.0	9024	8960	8914	8858	8823	8784	8772	8756	8771	8781	8823	8859	8960	9012	9049
30.0	8814	8748	8705	8644	8608	8560	8547	8523	8538	8544	8593	8630	8727	8797	8837
35.0	8577	8517	8489	8426	8389	8334	8316	8286	8294	8290	8338	8374	8478	8561	8616
40.0	8323	8282	8276	8220	8188	8125	8106	8065	8064	8038	8077	8107	8212	8311	8369
45.0	8072	8070	8106	8054	8034	7977	7965	7893	7869	7808	7825	7840	7936	8061	8122
50.0	7450	7517	7616	7542	7559	7570	7727	7726	7706	7577	7548	7535	7646	7771	7793
55.0	5392	5323	5346	5392	5599	5607	5845	6040	6305	6274	6435	6443	6531	6592	6407
60.0	3368	3248	3327	3326	3533	3571	3728	3768	4013	4163	4312	4272	4258	4336	4080
65.0	2056	1898	1999	1982	2112	2136	2115	2173	2129	2431	2572	2523	2549	2517	2410
70.0	1192	1066	1151	1098	1207	1192	1287	1237	1379	1381	1511	1455	1468	1473	1395
75.0	599	538	586	546	610	591	660	634	723	712	793	756	743	792	717
80.0	242	188	233	186	248	209	283	239	322	352	358	346	347	361	347
85.0	57.4	20.2	54.4	21.6	65.0	28.6	83.0	43.3	108	65.2	130	75.9	73.0	125	71.6
90.0	19.5	10.4	19.2	10.2	19.2	9.80	19.3	9.40	19.7	9.09	20.8	9.00	9.30	21.1	8.90
95.0	21.2	15.0	21.0	14.5	20.7	14.1	20.2	13.4	20.0	13.0	20.0	12.7	13.0	19.9	12.7
100.0	25.4	21.0	24.9	20.5	24.5	19.7	24.0	19.0	23.4	18.2	23.1	17.9	18.7	23.2	18.2
105.0	30.7	27.7	30.5	27.2	29.9	26.4	29.1	25.4	28.4	24.6	27.9	24.2	25.6	28.4	25.0
110.0	37.2	35.1	36.8	34.5	36.2	33.8	35.6	32.7	34.5	31.9	34.0	31.4	33.0	34.7	32.4
115.0	44.0	42.5	43.5	42.2	43.0	41.6	42.5	40.5	41.2	39.5	40.5	38.9	40.9	41.8	40.0
120.0	50.7	49.5	50.0	49.0	49.7	48.7	49.5	47.7	48.0	46.5	47.2	46.0	48.5	48.5	47.4
125.0	57.0	56.0	56.0	55.2	55.9	55.6	56.0	54.5	54.2	53.1	53.5	53.1	55.4	55.0	53.7
130.0	62.8	62.1	61.9	61.5	61.9	62.1	62.1	60.9	60.1	59.3	59.5	59.6	61.9	61.0	59.8
135.0	68.5	68.0	67.7	67.9	68.0	68.3	68.0	66.9	66.1	65.6	65.5	65.6	67.9	66.9	66.1
140.0	74.1	74.0	73.5	73.9	74.0	74.5	73.5	72.7	72.0	71.8	71.6	71.9	73.5	72.7	72.0
145.0	80.0	80.0	79.2	80.0	79.7	81.0	79.2	78.6	77.6	77.9	77.6	78.5	79.5	78.8	78.0
150.0	85.7	85.7	85.0	85.6	85.6	87.4	85.1	84.5	83.4	83.8	83.6	85.0	85.5	85.0	84.0
155.0	90.5	90.4	90.0	90.5	91.0	92.7	90.4	89.7	88.8	89.0	89.2	90.8	90.8	90.8	89.4
160.0	93.6	93.5	93.4	94.0	94.8	96.3	94.5	93.5	92.7	93.1	93.5	94.9	95.3	95.0	93.5
165.0	96.6	95.9	96.0	96.3	97.2	98.4	97.6	96.1	95.8	95.8	96.5	97.2	98.5	97.6	96.1
170.0	99.2	97.8	98.0	98.0	99.0	99.5	100	98.0	97.8	97.6	98.4	98.7	101	99.4	98.0
175.0	102	99.4	99.5	99.4	100	100	102	99.1	99.2	98.9	99.4	99.5	102	100	99.2
180.0	103	100	100	99.8	100	99.9	102	99.6	99.6	99.2	99.5	99.5	103	101	99.8

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LUMINOUS DISTRIBUTION INTENSITY DATA

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UNIT: cd

C(deg) γ (deg)	225	240	255	270	285	300	315	330	345
0.0	9490	9481	9474	9470	9464	9461	9453	9447	9444
5.0	9499	9497	9498	9492	9489	9480	9472	9456	9443
10.0	9468	9473	9481	9477	9474	9460	9446	9421	9399
15.0	9393	9399	9415	9408	9410	9385	9371	9334	9308
20.0	9264	9277	9295	9291	9293	9269	9249	9206	9173
25.0	9095	9112	9139	9136	9142	9114	9092	9040	9001
30.0	8899	8918	8954	8949	8963	8922	8897	8831	8796
35.0	8682	8703	8742	8741	8749	8703	8670	8596	8558
40.0	8444	8464	8505	8499	8515	8460	8418	8330	8296
45.0	8212	8199	8229	8195	8229	8153	8115	7997	7994
50.0	7790	7646	7576	7468	7477	7359	7302	7128	7145
55.0	6227	5942	5873	5686	5551	5355	5305	5191	5264
60.0	4044	3794	3784	3561	3495	3299	3320	3269	3358
65.0	2459	2375	2348	2194	2143	1999	2053	2021	2073
70.0	1442	1381	1387	1255	1278	1150	1192	1134	1161
75.0	774	705	734	641	674	583	623	554	593
80.0	351	348	318	248	287	221	263	196	246
85.0	117	57.4	95.3	43.2	82.8	30.5	65.6	23.4	55.0
90.0	20.4	9.09	19.6	9.40	19.2	9.80	19.3	10.4	19.4
95.0	19.7	13.0	20.0	13.5	20.4	14.2	20.9	14.9	21.2
100.0	23.2	18.7	23.7	19.3	24.2	20.1	25.0	20.9	25.5
105.0	28.4	25.4	28.9	26.1	29.6	27.0	30.4	27.7	31.0
110.0	34.7	32.7	35.2	33.5	36.0	34.2	36.7	35.1	37.5
115.0	41.7	40.2	42.0	41.2	42.8	41.7	43.5	42.3	44.4
120.0	48.2	47.2	48.6	48.4	49.2	48.4	49.7	49.0	50.7
125.0	54.2	53.3	54.9	55.0	55.2	54.4	55.2	55.1	56.9
130.0	59.7	59.6	60.7	61.0	61.0	60.5	61.0	61.2	62.6
135.0	65.6	65.9	66.1	66.7	66.5	66.6	66.6	67.4	68.1
140.0	71.5	71.5	71.8	72.1	72.3	72.5	72.3	73.0	73.5
145.0	77.1	77.4	77.5	78.3	78.5	78.5	78.0	78.8	79.1
150.0	82.8	83.3	83.2	84.1	84.6	84.3	83.6	84.4	84.5
155.0	88.2	88.4	88.4	89.0	90.1	89.2	88.5	88.8	89.2
160.0	92.5	92.1	92.4	93.1	94.0	92.6	92.0	91.9	92.5
165.0	95.3	94.9	95.0	96.3	96.5	95.0	94.5	94.3	94.9
170.0	97.3	97.1	97.2	99.0	98.4	97.0	96.6	96.6	97.0
175.0	99.4	99.0	99.1	101	99.6	98.6	98.7	98.5	99.0
180.0	100	99.8	100	102	100	99.2	99.5	99.2	99.9

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