

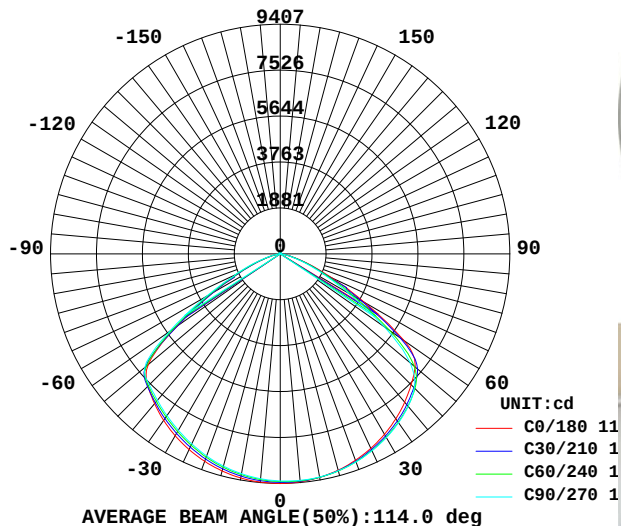
LUMINAIRE PHOTOMETRIC TEST REPORT

Report number:

MANUFACTURER:			
Address:			
NAME: Kolokol 150W lens 120 + Glass 30 min		TYPE:	WEIGHT:
SPECIFICATION:	CCT(K): 4971	DIMENSION:	SERIAL No.:

DATA OF LAMP		Imax(cd)	9407	S/MH(C0/180)	1.37
MODEL		EFFICIENCY(%)	100.0	S/MH(C90/270)	1.35
NOMINAL POWER(W)	150	TOTAL FLUX(lm)	26414.2	Voltage(V)	220.0
RATED VOLTAGE(V)	220	EFFICIENCY(lm/W)	176.1	Current(A)	0.693
NOMINAL FLUX(lm)	26414.2	η up(%)	1.1	Power(W)	150.0
LAMPS QUANTITY	1	η down(%)	98.9	Power Factor(PF)	0.983
TEST VOLTAGE(V)	220.0	Effective Flux(lm)	26414.2	EEI	0.077

LUMINOUS INTENSITY DISTRIBUTION



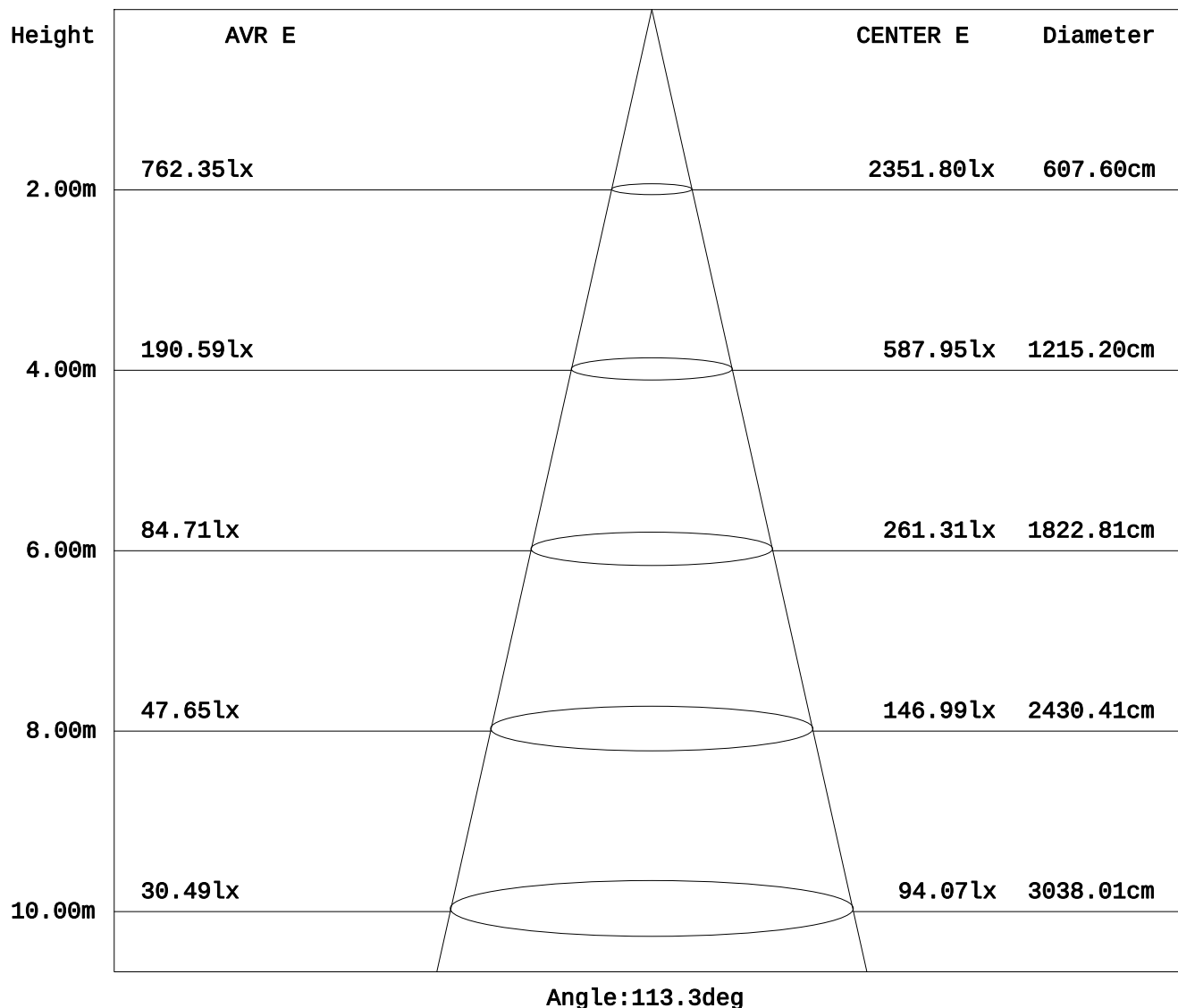
Test System: HOP00 HPG1800
 Temperature: 25.3°C
 Operators:
 Test Date: 11-29-2022

Test Set: 5.0deg/s C-Gamma (TYPE C)
 Humidity: 65.0%
 Test Distance: 10.000 m
 Remarks: 72Ra. 0.1% Flickering.

AVERAGE AND CENTER E Figure

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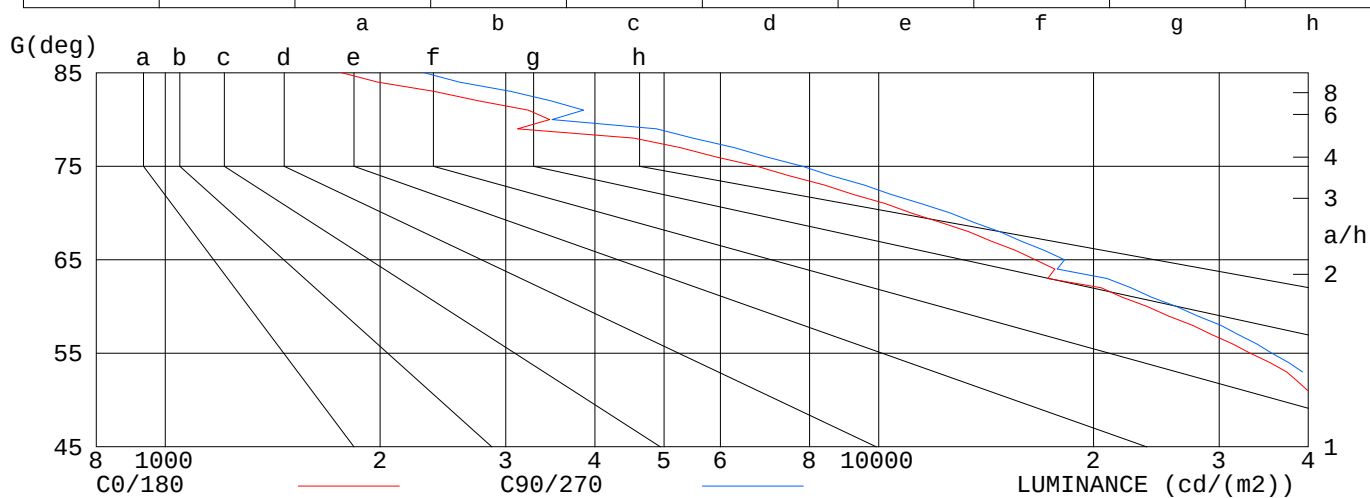
LUMINANCE LIMITATION CURVES

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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	1769	2308
80	3457	3484
75	6749	7819
70	11102	12600
65	16577	18214
60	23786	26140
55	33164	35572
50	40603	41669
45	40115	39710

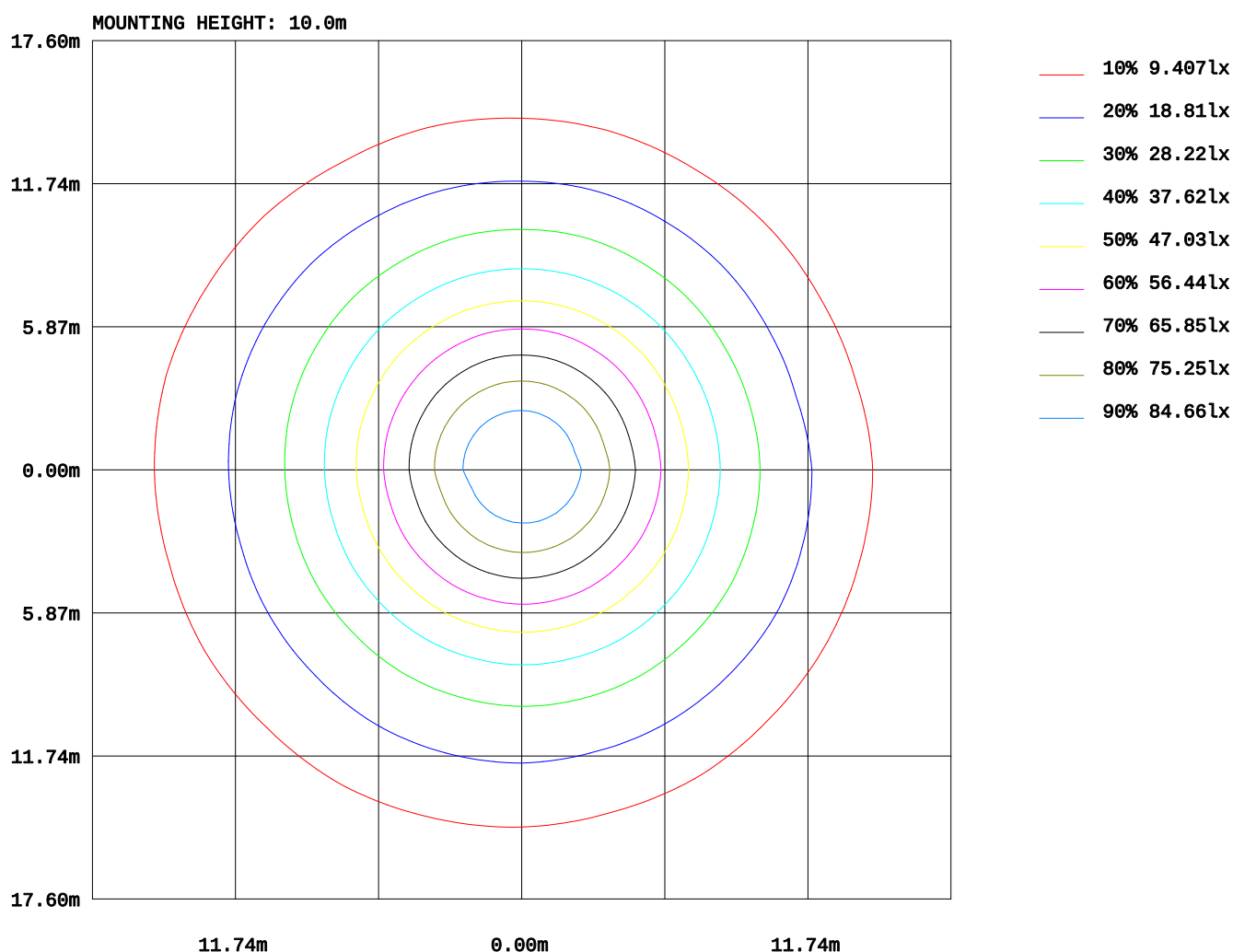
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ISOLUX DIAGRAM

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UGR Table

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SPECIFICATION:	CCT(K): 4971	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	24.8	26.2	25.0	26.4	26.6	25.0	26.4	25.3	26.6	26.8
3H	25.0	26.3	25.3	26.5	26.8	25.3	26.6	25.6	26.8	27.1
4H	25.0	26.2	25.3	26.5	26.7	25.3	26.5	25.6	26.8	27.0
6H	24.9	26.0	25.2	26.3	26.6	25.2	26.3	25.5	26.6	26.9
8H	24.8	25.9	25.2	26.2	26.6	25.1	26.3	25.5	26.6	26.9
12H	24.8	25.8	25.1	26.2	26.5	25.1	26.2	25.5	26.5	26.8
4H 2H	24.9	26.2	25.3	26.4	26.7	25.1	26.3	25.4	26.6	26.9
3H	25.2	26.3	25.6	26.6	26.9	25.5	26.5	25.8	26.8	27.2
4H	25.2	26.2	25.6	26.5	26.9	25.5	26.5	25.9	26.8	27.1
6H	25.2	26.0	25.6	26.4	26.8	25.5	26.3	25.9	26.7	27.1
8H	25.1	25.9	25.6	26.3	26.7	25.4	26.2	25.8	26.6	27.0
12H	25.1	25.8	25.5	26.2	26.6	25.4	26.1	25.8	26.5	26.9
8H 4H	25.1	25.9	25.6	26.3	26.7	25.4	26.2	25.8	26.6	27.0
6H	25.1	25.7	25.6	26.2	26.6	25.4	26.0	25.8	26.5	26.9
8H	25.1	25.6	25.6	26.1	26.6	25.4	25.9	25.8	26.4	26.8
12H	25.0	25.5	25.5	26.0	26.5	25.3	25.8	25.8	26.3	26.8
12H 4H	25.1	25.8	25.5	26.2	26.6	25.4	26.1	25.8	26.5	26.9
6H	25.1	25.6	25.5	26.1	26.5	25.4	25.9	25.8	26.4	26.8
8H	25.0	25.5	25.5	26.0	26.5	25.3	25.8	25.8	26.3	26.8

Variations with the observer position at spacings:

S = 1.0H	+ 0.5 / - 0.6	+ 0.7 / - 0.5
1.5H	+ 0.7 / - 1.4	+ 0.8 / - 1.5
2.0H	+ 1.8 / - 2.7	+ 1.7 / - 2.7

CIE Pub.117 Corrected 26414 lm Total Lamp Luminous Flux.(8log(F/F0) = 11.4)

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LUMINOUS DISTRIBUTION INTENSITY DATA

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SPECIFICATION:	CCT(K): 4971	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	9407	9382	9364	9347	9331	9316	9303	9291	9283	9271	9264	9252	9407	9382	9364
5.0	9388	9355	9328	9302	9281	9263	9250	9237	9230	9222	9223	9218	9375	9365	9354
10.0	9323	9279	9246	9211	9185	9159	9145	9132	9128	9125	9134	9136	9299	9297	9296
15.0	9210	9157	9121	9077	9049	9016	9001	8984	8989	8986	9004	9015	9176	9188	9191
20.0	9044	8986	8945	8895	8865	8827	8813	8795	8800	8802	8829	8848	9005	9029	9042
25.0	8844	8780	8733	8675	8645	8604	8587	8567	8576	8581	8615	8641	8791	8825	8844
30.0	8607	8540	8498	8438	8411	8363	8351	8322	8334	8335	8375	8405	8537	8591	8617
35.0	8326	8268	8236	8179	8153	8104	8088	8060	8072	8063	8105	8132	8252	8322	8363
40.0	8006	7960	7959	7912	7893	7837	7827	7792	7797	7770	7809	7829	7934	8020	8066
45.0	7670	7653	7693	7648	7645	7595	7593	7536	7524	7470	7496	7505	7583	7696	7743
50.0	7057	7113	7203	7155	7162	7138	7243	7236	7231	7130	7118	7095	7216	7324	7344
55.0	5144	5084	5127	5153	5325	5325	5517	5675	5901	5842	5959	5953	6193	6190	5995
60.0	3216	3118	3182	3172	3362	3388	3534	3565	3751	3855	3961	3903	3997	4057	3789
65.0	1894	1754	1847	1826	1953	1979	2081	2025	2114	2216	2116	2262	2341	2088	2175
70.0	1027	924	1008	956	1072	1060	1165	1100	1225	1208	1304	1249	1273	1289	1193
75.0	472	415	461	425	491	477	547	514	591	572	640	595	588	638	562
80.0	162	115	162	118	166	138	164	159	164	181	242	195	192	246	187
85.0	41.7	18.0	41.6	19.2	45.7	23.0	54.4	28.2	63.8	34.2	73.5	39.5	39.0	71.9	38.0
90.0	18.0	9.50	17.7	9.20	17.7	8.90	17.8	8.50	18.1	8.20	19.0	8.10	8.50	19.0	8.20
95.0	19.7	13.7	19.4	13.3	19.1	12.7	18.7	12.1	18.4	11.7	18.4	11.5	12.2	18.5	11.8
100.0	23.7	19.4	23.2	18.7	22.7	18.0	22.1	17.2	21.5	16.6	21.2	16.4	17.5	21.7	17.2
105.0	28.9	25.7	28.5	25.2	27.7	24.2	26.9	23.4	26.1	22.7	25.7	22.3	24.1	26.8	23.7
110.0	35.2	33.0	34.5	32.3	33.7	31.4	33.0	30.4	32.1	29.6	31.5	29.1	31.2	32.9	30.7
115.0	41.7	40.2	41.1	39.5	40.2	38.9	39.5	37.7	38.5	36.8	37.7	36.3	38.9	39.7	38.2
120.0	48.2	47.0	47.5	46.2	46.7	45.8	46.5	44.8	45.1	43.7	44.4	43.3	46.3	46.2	45.2
125.0	54.4	53.3	53.3	52.4	52.8	52.7	52.9	51.5	51.3	50.0	50.5	50.1	53.2	52.7	51.5
130.0	60.2	59.6	58.9	58.7	58.7	59.1	58.9	57.7	57.0	56.4	56.4	56.5	59.7	58.7	57.7
135.0	65.8	65.3	65.0	64.8	64.9	65.1	64.7	63.7	62.9	62.5	62.4	62.5	65.5	64.5	64.0
140.0	71.4	71.2	70.5	70.9	70.7	71.2	70.3	69.5	68.6	68.5	68.4	68.6	71.2	70.3	69.7
145.0	77.3	77.3	76.3	76.9	76.5	77.7	75.9	75.5	74.1	74.5	74.1	75.3	77.2	76.4	75.5
150.0	83.0	82.9	82.0	82.7	82.4	84.0	81.8	81.1	80.0	80.4	80.0	81.5	83.0	82.5	81.5
155.0	87.6	87.6	87.0	87.6	87.8	89.5	86.9	86.4	85.3	85.7	85.6	87.4	88.3	88.0	86.9
160.0	91.0	91.0	90.5	91.2	91.7	93.1	91.1	90.5	89.6	90.1	90.2	91.6	92.9	92.4	90.9
165.0	94.1	93.5	93.4	93.6	94.5	95.5	94.7	93.3	92.7	92.9	93.4	94.4	96.2	95.2	93.5
170.0	97.0	95.8	95.5	95.8	96.4	97.0	97.5	95.5	95.2	95.0	95.5	96.1	98.7	96.9	95.5
175.0	99.5	97.2	97.3	97.1	97.5	97.6	99.5	96.8	96.8	96.4	96.8	96.9	100	98.0	97.0
180.0	101	98.0	97.7	97.5	97.6	97.5	99.6	97.3	97.1	96.8	97.0	97.0	101	98.2	97.6

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%
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 Remarks: 72Ra. 0.1% Flickering.

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	9347	9331	9316	9303	9291	9283	9271	9264	9252
5.0	9344	9335	9326	9314	9305	9290	9279	9261	9246
10.0	9299	9296	9294	9285	9277	9259	9242	9214	9193
15.0	9208	9207	9215	9201	9199	9174	9156	9117	9091
20.0	9063	9069	9081	9071	9069	9042	9022	8978	8948
25.0	8881	8891	8909	8900	8898	8868	8850	8800	8766
30.0	8669	8675	8703	8691	8699	8659	8637	8573	8546
35.0	8417	8427	8458	8448	8453	8409	8378	8306	8277
40.0	8130	8139	8172	8154	8162	8110	8073	7986	7964
45.0	7825	7803	7821	7766	7793	7711	7682	7564	7575
50.0	7335	7174	7080	6952	6951	6826	6777	6613	6626
55.0	5780	5478	5377	5189	5070	4893	4856	4741	4817
60.0	3717	3460	3435	3221	3174	3033	3026	2999	3057
65.0	2103	2105	2097	1934	1925	1770	1824	1790	1847
70.0	1232	1158	1169	1048	1075	963	1005	949	988
75.0	608	532	560	479	512	435	474	411	457
80.0	231	170	164	148	163	129	167	115	162
85.0	65.9	31.2	55.8	25.2	48.2	20.6	41.4	17.6	39.0
90.0	18.1	8.29	17.7	8.70	17.6	9.00	17.6	9.40	17.7
95.0	18.4	12.1	18.7	12.6	18.9	13.0	19.3	13.6	19.6
100.0	21.7	17.5	22.2	18.0	22.7	18.7	23.1	19.2	23.5
105.0	26.8	24.0	27.2	24.6	27.7	25.2	28.2	25.7	28.7
110.0	32.9	30.8	33.3	31.7	34.0	32.3	34.5	32.7	35.0
115.0	39.5	38.2	40.0	39.2	40.5	39.5	41.2	40.0	41.7
120.0	46.0	45.2	46.3	46.2	46.9	46.0	47.2	46.5	48.0
125.0	51.8	51.2	52.4	52.7	52.8	52.0	52.7	52.6	54.1
130.0	57.4	57.3	58.2	58.7	58.7	58.0	58.3	58.7	59.8
135.0	63.2	63.5	63.7	64.4	64.0	64.2	64.0	64.7	65.2
140.0	69.0	69.1	69.1	69.8	69.9	69.9	69.5	70.2	70.7
145.0	74.5	74.9	74.8	75.8	75.9	75.8	75.3	76.0	76.2
150.0	80.1	80.6	80.4	81.5	81.9	81.5	80.8	81.5	81.5
155.0	85.5	85.6	85.5	86.4	87.3	86.2	85.5	86.0	86.1
160.0	89.8	89.6	89.6	90.5	91.1	90.0	89.3	89.2	89.6
165.0	92.6	92.4	92.4	93.6	93.8	92.5	91.9	91.7	92.1
170.0	94.9	94.7	94.7	96.5	95.7	94.5	94.0	94.0	94.5
175.0	96.9	96.5	96.5	98.5	97.0	96.2	96.2	96.0	96.3
180.0	97.7	97.5	97.8	99.5	97.5	96.9	97.0	96.8	97.2

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