

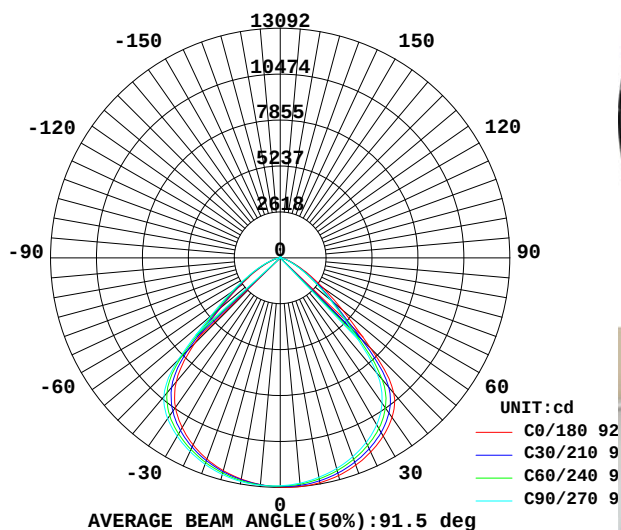
LUMINAIRE PHOTOMETRIC TEST REPORT

Report number:

MANUFACTURER:			
Address:			
NAME: Kolokol 150W lens 90 + Glass 30 min		TYPE:	WEIGHT:
SPECIFICATION:	CCT(K): 5124	DIMENSION:	SERIAL No.:

DATA OF LAMP		Imax(cd)	13092	S/MH(C0/180)	1.27
MODEL		EFFICIENCY(%)	100.0	S/MH(C90/270)	1.34
NOMINAL POWER(W)	150	TOTAL FLUX(lm)	26715.9	Voltage(V)	220.0
RATED VOLTAGE(V)	220	EFFICIENCY(lm/W)	179.2	Current(A)	0.689
NOMINAL FLUX(lm)	26715.9	η up(%)	1.2	Power(W)	149.1
LAMPS QUANTITY	1	η down(%)	98.8	Power Factor(PF)	0.983
TEST VOLTAGE(V)	220.0	Effective Flux(lm)	26716.0	EEI	0.076

LUMINOUS INTENSITY DISTRIBUTION



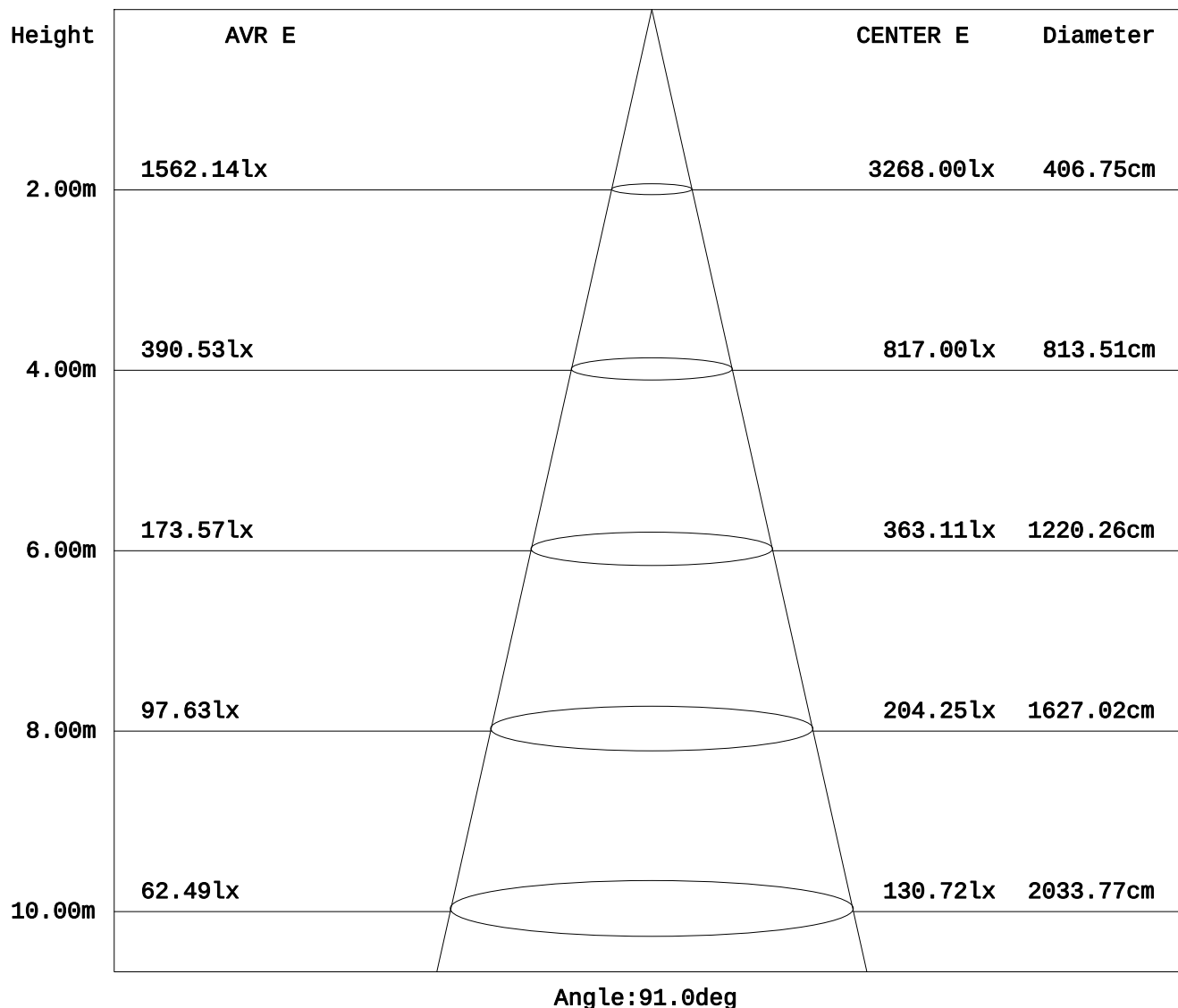
Test System: HOP00 HPG1800
 Temperature: 25.3°C
 Operators:
 Test Date: 11-29-2022

Test Set: 5.0deg/s C-Gamma (TYPE C)
 Humidity: 65.0%
 Test Distance: 10.000 m
 Remarks: 71Ra. 0.0% Flickering.

AVERAGE AND CENTER E Figure

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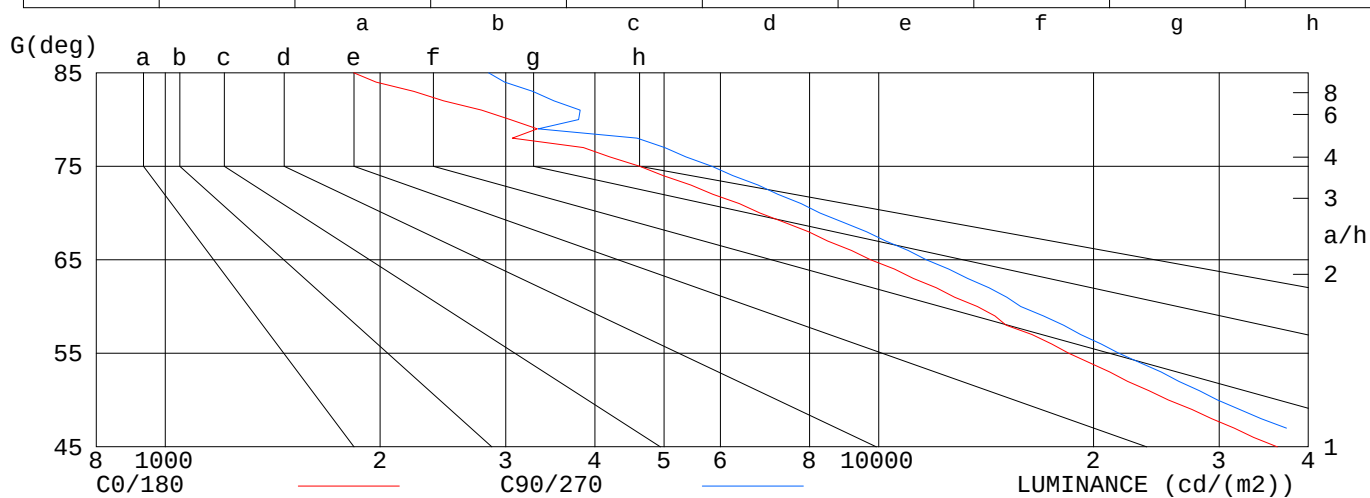
LUMINANCE LIMITATION CURVES

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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	1837	2839
80	3043	3795
75	4624	5837
70	6814	8272
65	9738	11659
60	13747	15813
55	18461	21698
50	25454	29832
45	36194	43202

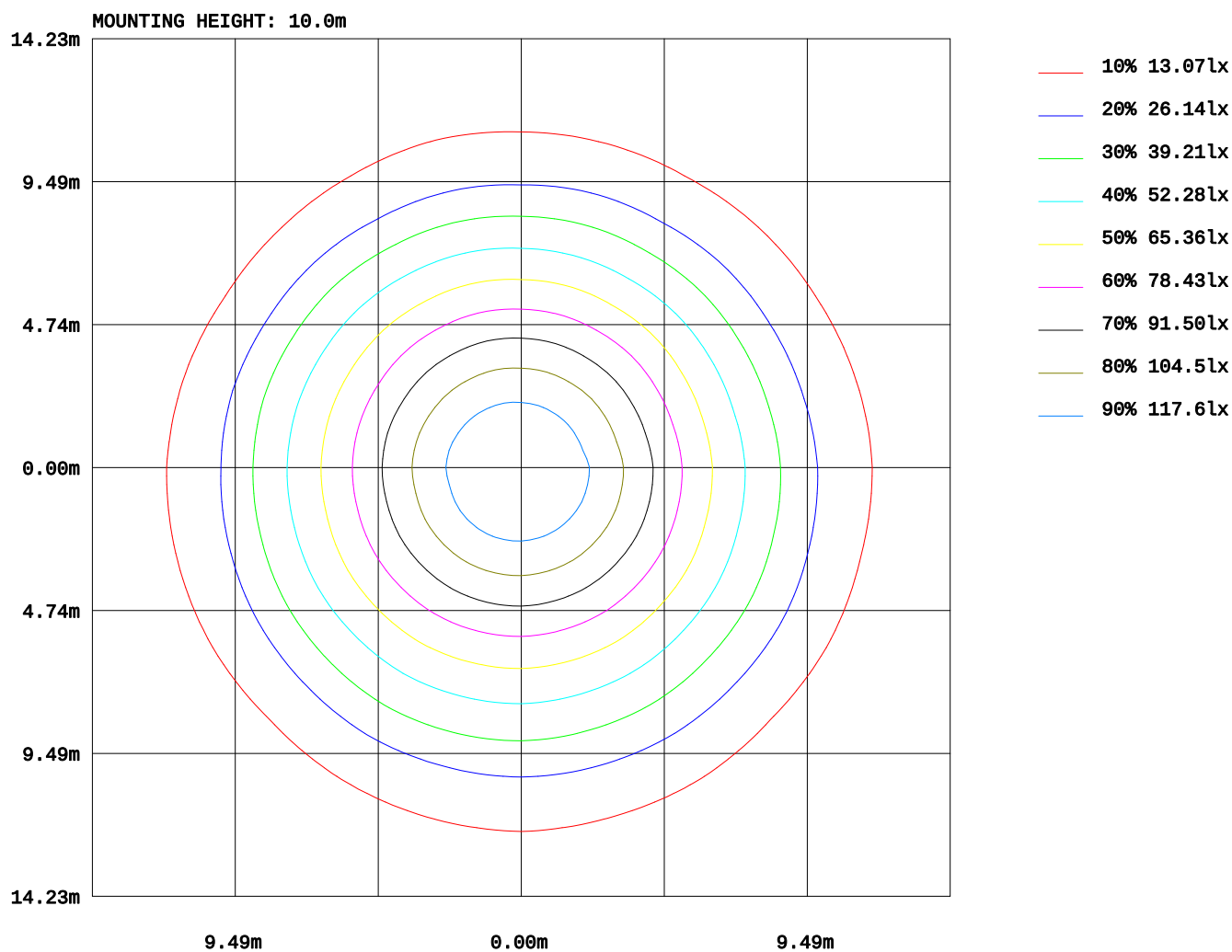
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ISOLUX DIAGRAM

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UGR Table

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SPECIFICATION:			CCT(K): 5124			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	22.7	24.0	23.0	24.2	24.4	23.3	24.6	23.6	24.8	25.0
3H	22.9	24.0	23.1	24.3	24.5	23.4	24.6	23.7	24.8	25.1
4H	22.8	23.9	23.1	24.2	24.4	23.4	24.5	23.8	24.8	25.1
6H	22.8	23.8	23.1	24.1	24.4	23.4	24.4	23.7	24.7	25.0
8H	22.7	23.7	23.1	24.0	24.3	23.4	24.3	23.7	24.6	24.9
12H	22.7	23.6	23.0	23.9	24.2	23.3	24.3	23.7	24.6	24.9
4H 2H	22.8	23.9	23.1	24.1	24.4	23.3	24.4	23.6	24.6	24.9
3H	23.0	23.9	23.4	24.2	24.6	23.5	24.5	23.9	24.8	25.1
4H	23.0	23.9	23.4	24.2	24.5	23.6	24.4	24.0	24.8	25.1
6H	23.0	23.7	23.4	24.1	24.5	23.5	24.3	23.9	24.6	25.0
8H	22.9	23.6	23.3	24.0	24.4	23.5	24.2	23.9	24.6	25.0
12H	22.9	23.5	23.3	23.9	24.3	23.5	24.1	23.9	24.5	24.9
8H 4H	22.9	23.6	23.4	24.0	24.4	23.5	24.2	23.9	24.6	25.0
6H	22.9	23.5	23.4	23.9	24.4	23.5	24.1	23.9	24.5	24.9
8H	22.9	23.4	23.4	23.8	24.3	23.5	24.0	23.9	24.4	24.9
12H	22.9	23.3	23.4	23.7	24.2	23.4	23.9	23.9	24.3	24.8
12H 4H	22.9	23.5	23.3	23.9	24.4	23.5	24.1	23.9	24.5	24.9
6H	22.9	23.4	23.4	23.8	24.3	23.5	23.9	23.9	24.4	24.9
8H	22.9	23.3	23.4	23.7	24.2	23.4	23.9	23.9	24.3	24.8

Variations with the observer position at spacings:

S = 1.0H	+ 1.6 / - 1.9	+ 1.4 / - 1.8
1.5H	+ 1.0 / - 1.3	+ 1.0 / - 1.4
2.0H	+ 2.8 / - 2.2	+ 3.2 / - 2.5

CIE Pub.117 Corrected 26716 lm Total Lamp Luminous Flux.(8log(F/F0) = 11.4)

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UNIT: $\mu\text{A}/10\text{cd}$

γ (deg) \ C(deg)	0	15	30	45	60	75	90	105	120	135	150	165	180	195	210
0.0	1307	1306	1304	1303	1302	1301	1300	1299	1298	1298	1297	1296	1307	1306	1304
5.0	1298	1298	1298	1299	1300	1301	1302	1302	1302	1302	1301	1300	1309	1306	1302
10.0	1281	1281	1284	1286	1289	1292	1295	1296	1298	1298	1297	1295	1302	1297	1291
15.0	1256	1258	1262	1265	1270	1274	1279	1281	1284	1284	1283	1280	1285	1280	1270
20.0	1221	1224	1231	1235	1242	1246	1253	1255	1258	1258	1258	1254	1258	1251	1241
25.0	1176	1181	1190	1196	1205	1211	1218	1221	1224	1223	1224	1219	1221	1213	1201
30.0	1118	1125	1138	1147	1159	1166	1175	1178	1182	1180	1180	1174	1173	1166	1150
35.0	1041	1050	1067	1080	1098	1107	1118	1122	1126	1122	1121	1113	1112	1100	1081
40.0	922	936	963	980	1004	1015	1031	1035	1041	1033	1028	1013	1007	992	963
45.0	692	714	751	768	798	810	826	819	821	796	779	750	727	710	654
50.0	442	447	462	464	491	502	519	509	495	474	479	474	466	436	399
55.0	286	298	302	307	319	324	337	327	324	311	309	304	297	281	257
60.0	186	184	200	200	208	209	214	211	213	202	199	191	186	181	161
65.0	111	111	124	123	130	128	133	127	134	123	122	114	110	109	96.3
70.0	63.0	62.8	72.3	69.9	75.1	72.3	76.5	72.1	77.6	68.9	68.5	62.3	60.2	60.8	52.5
75.0	32.3	32.8	37.6	36.0	40.2	37.3	40.8	37.4	41.0	35.0	35.2	32.8	32.9	30.1	22.6
80.0	14.2	11.1	16.9	13.3	17.8	14.2	17.8	14.3	17.6	12.5	15.5	10.0	9.37	12.3	7.49
85.0	4.33	2.48	5.47	3.15	6.26	3.52	6.69	3.58	6.11	2.69	4.69	2.04	1.75	3.27	1.29
90.0	1.52	0.67	1.64	0.67	1.79	0.69	1.84	0.66	1.68	0.64	1.53	0.67	0.69	1.47	0.71
95.0	1.49	0.89	1.48	0.84	1.47	0.82	1.47	0.82	1.47	0.84	1.47	0.87	0.91	1.48	0.94
100.0	1.66	1.21	1.61	1.14	1.58	1.11	1.58	1.11	1.58	1.14	1.60	1.19	1.25	1.66	1.29
105.0	2.02	1.70	1.92	1.59	1.86	1.54	1.84	1.52	1.85	1.56	1.90	1.64	1.76	2.01	1.82
110.0	2.59	2.38	2.45	2.23	2.35	2.15	2.31	2.12	2.32	2.17	2.38	2.27	2.43	2.58	2.51
115.0	3.31	3.21	3.14	3.02	3.00	2.92	2.94	2.87	2.94	2.92	3.02	3.04	3.27	3.32	3.35
120.0	4.17	4.11	3.97	3.90	3.80	3.77	3.72	3.70	3.71	3.76	3.79	3.88	4.19	4.15	4.28
125.0	5.09	5.08	4.87	4.85	4.67	4.70	4.58	4.62	4.56	4.67	4.65	4.80	5.13	5.05	5.23
130.0	6.01	6.02	5.76	5.79	5.55	5.65	5.47	5.56	5.42	5.58	5.50	5.73	6.09	5.96	6.15
135.0	6.91	6.91	6.61	6.63	6.44	6.56	6.37	6.44	6.27	6.41	6.36	6.61	7.01	6.84	7.03
140.0	7.77	7.76	7.42	7.50	7.28	7.46	7.23	7.31	7.10	7.28	7.20	7.50	7.86	7.70	7.88
145.0	8.55	8.59	8.26	8.39	8.13	8.34	8.04	8.15	7.92	8.17	8.04	8.38	8.67	8.55	8.74
150.0	9.35	9.40	9.08	9.21	8.98	9.21	8.84	8.96	8.75	9.01	8.91	9.26	9.49	9.40	9.58
155.0	10.2	10.2	9.92	10.0	9.86	10.1	9.68	9.82	9.60	9.89	9.78	10.2	10.3	10.3	10.4
160.0	11.0	11.1	10.7	11.0	10.7	11.1	10.6	10.7	10.4	10.8	10.6	11.1	11.3	11.1	11.2
165.0	12.0	11.9	11.6	11.8	11.6	11.9	11.5	11.6	11.3	11.6	11.5	11.9	12.2	11.9	12.0
170.0	12.7	12.6	12.3	12.4	12.3	12.5	12.4	12.3	12.1	12.3	12.2	12.5	12.9	12.5	12.6
175.0	13.2	12.9	12.8	12.9	12.8	12.9	13.0	12.8	12.6	12.8	12.7	12.9	13.2	12.9	12.9
180.0	13.3	13.0	13.0	13.0	12.9	13.0	13.2	13.0	12.9	13.0	12.9	13.0	13.4	13.0	13.0

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SPECIFICATION:	CCT(K): 5124	DIMENSION:	SERIAL No.:

UNIT: μA10cd

γ (deg) \ C(deg)	225	240	255	270	285	300	315	330	345
0.0	1303	1302	1301	1300	1299	1298	1298	1297	1296
5.0	1299	1295	1293	1290	1288	1286	1285	1285	1285
10.0	1286	1280	1276	1271	1268	1266	1265	1265	1266
15.0	1264	1255	1251	1243	1241	1237	1238	1237	1240
20.0	1233	1223	1216	1208	1204	1200	1201	1201	1204
25.0	1192	1180	1172	1161	1156	1151	1152	1152	1156
30.0	1141	1124	1115	1099	1095	1086	1090	1087	1096
35.0	1067	1046	1032	1013	1006	998	1003	1004	1013
40.0	939	903	882	857	853	845	859	866	884
45.0	633	596	594	566	573	561	593	602	640
50.0	388	379	384	373	369	366	384	398	423
55.0	254	242	247	242	243	234	253	262	273
60.0	163	151	156	152	157	146	164	167	175
65.0	97.5	90.1	92.6	89.5	93.0	87.6	99.1	100	106
70.0	53.9	48.2	50.9	47.8	51.1	47.9	55.1	54.3	60.0
75.0	26.3	20.3	24.8	20.0	25.1	20.9	27.3	23.7	30.4
80.0	10.5	6.49	9.85	6.47	10.3	7.28	11.5	8.37	13.0
85.0	2.76	1.08	2.57	1.12	2.82	1.38	3.26	1.64	3.73
90.0	1.45	0.73	1.45	0.73	1.46	0.73	1.47	0.70	1.48
95.0	1.49	0.97	1.50	0.99	1.51	0.97	1.50	0.94	1.49
100.0	1.69	1.34	1.71	1.37	1.72	1.35	1.70	1.30	1.68
105.0	2.07	1.89	2.12	1.95	2.14	1.92	2.09	1.85	2.05
110.0	2.66	2.61	2.75	2.69	2.77	2.66	2.72	2.58	2.66
115.0	3.42	3.47	3.54	3.59	3.57	3.54	3.51	3.46	3.43
120.0	4.27	4.43	4.40	4.56	4.45	4.51	4.38	4.43	4.31
125.0	5.19	5.38	5.34	5.53	5.39	5.49	5.34	5.41	5.25
130.0	6.09	6.30	6.26	6.49	6.32	6.42	6.25	6.35	6.19
135.0	6.89	7.17	7.11	7.40	7.19	7.30	7.05	7.23	7.07
140.0	7.73	8.00	7.94	8.22	8.05	8.16	7.90	8.05	7.91
145.0	8.59	8.85	8.75	9.02	8.90	9.02	8.77	8.91	8.71
150.0	9.38	9.66	9.53	9.82	9.74	9.85	9.55	9.71	9.49
155.0	10.2	10.4	10.3	10.6	10.6	10.6	10.3	10.5	10.3
160.0	11.0	11.3	11.2	11.5	11.5	11.5	11.2	11.3	11.1
165.0	11.8	12.0	11.9	12.3	12.2	12.2	11.9	12.1	11.9
170.0	12.4	12.6	12.5	12.9	12.7	12.7	12.5	12.6	12.5
175.0	12.8	12.9	12.9	13.2	13.0	12.9	12.9	12.9	12.9
180.0	13.0	13.0	13.0	13.3	13.0	12.9	12.9	13.0	13.0

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