

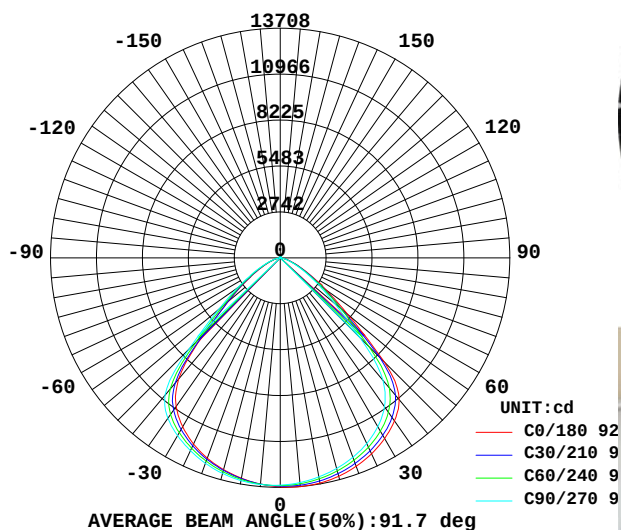
LUMINAIRE PHOTOMETRIC TEST REPORT

Report number:

MANUFACTURER:			
Address:			
NAME: Kolokol 150W lens 90 30 min		TYPE:	WEIGHT:
SPECIFICATION:	CCT(K): 5183	DIMENSION:	SERIAL No.:

DATA OF LAMP		Imax(cd)	13708	S/MH(C0/180)	1.26
MODEL		EFFICIENCY(%)	100.0	S/MH(C90/270)	1.34
NOMINAL POWER(W)	150	TOTAL FLUX(lm)	28142.0	Voltage(V)	220.0
RATED VOLTAGE(V)	220	EFFICIENCY(lm/W)	188.0	Current(A)	0.692
NOMINAL FLUX(lm)	28142.0	η up(%)	1.2	Power(W)	149.6
LAMPS QUANTITY	1	η down(%)	98.8	Power Factor(PF)	0.983
TEST VOLTAGE(V)	220.0	Effective Flux(lm)	28142.0	EEI	0.072

LUMINOUS INTENSITY DISTRIBUTION



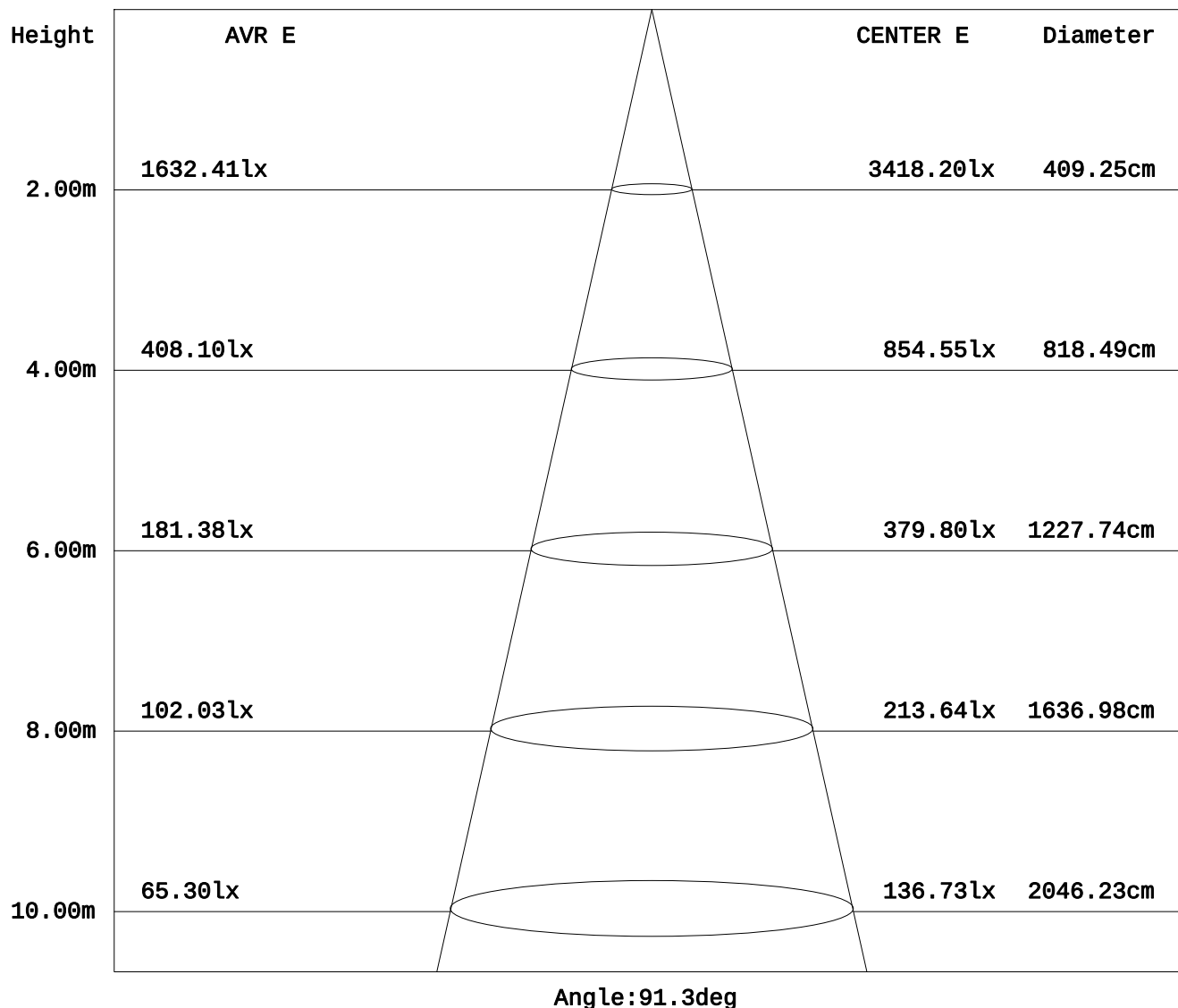
Test System: HOP00 HPG1800
 Temperature: 25.3°C
 Operators:
 Test Date: 11-29-2022

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

AVERAGE AND CENTER E Figure

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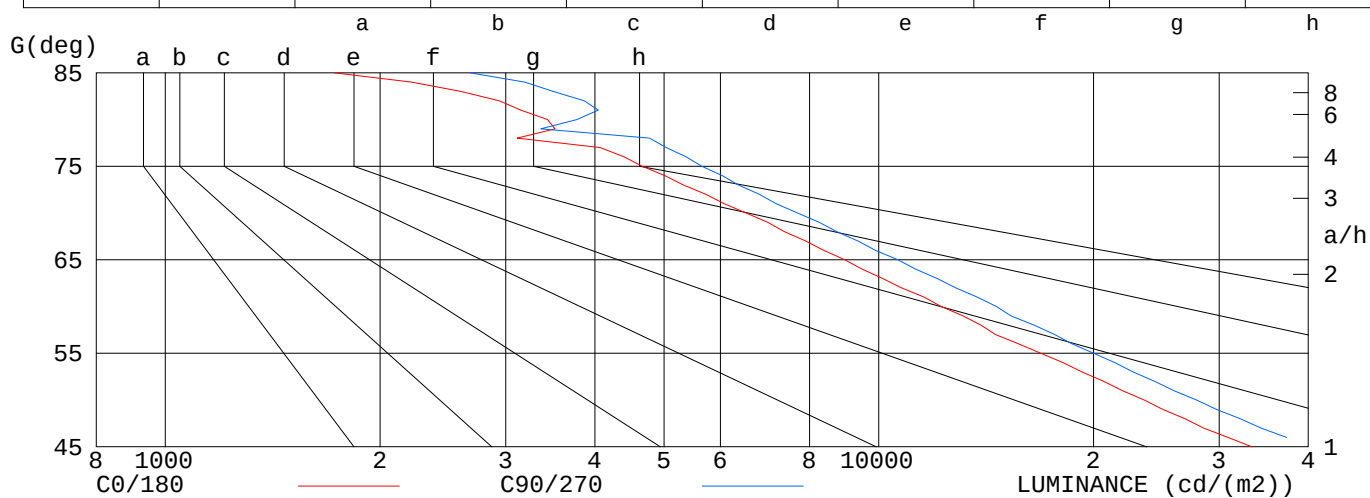
LUMINANCE LIMITATION CURVES

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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	1727	2673
80	3433	3774
75	4661	5650
70	6518	7694
65	8962	10641
60	12230	14615
55	16867	19999
50	23550	27887
45	33357	40330

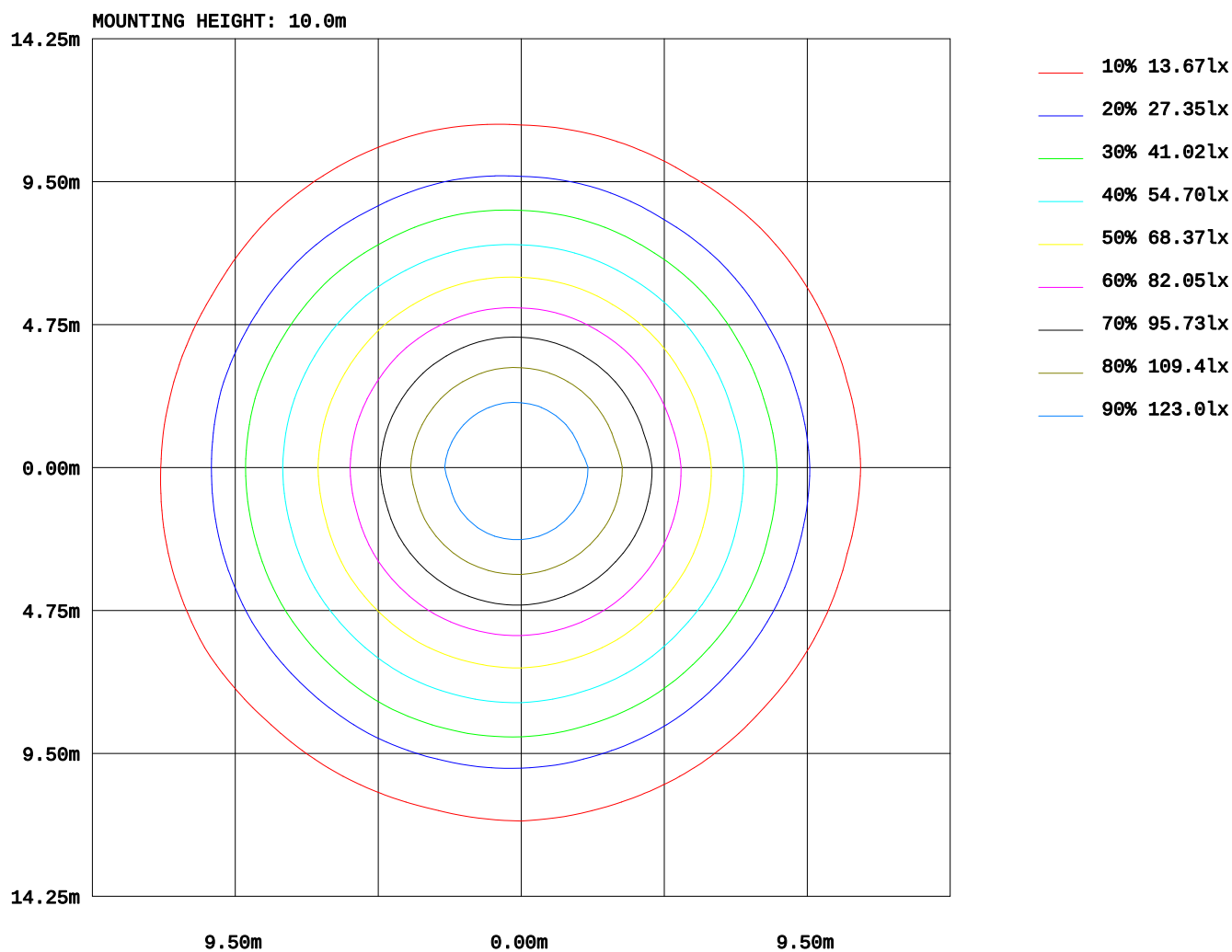
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ISOLUX DIAGRAM

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UGR Table

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SPECIFICATION:	CCT(K): 5183	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	22.1	23.4	22.4	23.6	23.8	22.7	24.0	23.0	24.2	24.4
3H	22.2	23.4	22.5	23.6	23.8	22.8	24.0	23.1	24.2	24.5
4H	22.2	23.3	22.5	23.5	23.8	22.8	23.9	23.2	24.2	24.5
6H	22.1	23.1	22.5	23.4	23.7	22.8	23.8	23.1	24.1	24.4
8H	22.1	23.1	22.4	23.4	23.7	22.8	23.7	23.1	24.0	24.3
12H	22.0	23.0	22.4	23.3	23.6	22.7	23.7	23.1	24.0	24.3
4H 2H	22.1	23.2	22.4	23.4	23.7	22.7	23.8	23.0	24.0	24.3
3H	22.3	23.2	22.6	23.5	23.8	22.9	23.8	23.2	24.1	24.4
4H	22.3	23.2	22.7	23.5	23.8	22.9	23.8	23.3	24.1	24.4
6H	22.3	23.0	22.7	23.4	23.8	22.9	23.6	23.3	24.0	24.4
8H	22.2	22.9	22.7	23.3	23.7	22.9	23.6	23.3	23.9	24.3
12H	22.2	22.8	22.6	23.2	23.6	22.8	23.5	23.3	23.9	24.3
8H 4H	22.2	22.9	22.7	23.3	23.7	22.8	23.5	23.2	23.9	24.3
6H	22.2	22.8	22.7	23.2	23.7	22.8	23.4	23.3	23.8	24.3
8H	22.2	22.7	22.7	23.1	23.6	22.8	23.3	23.3	23.8	24.2
12H	22.2	22.6	22.7	23.1	23.6	22.8	23.2	23.3	23.7	24.2
12H 4H	22.2	22.8	22.6	23.2	23.6	22.8	23.4	23.2	23.8	24.2
6H	22.2	22.7	22.7	23.1	23.6	22.8	23.3	23.3	23.7	24.2
8H	22.2	22.6	22.7	23.1	23.6	22.8	23.2	23.3	23.7	24.2

Variations with the observer position at spacings:

S = 1.0H	+ 1.7 / - 2.3	+ 1.5 / - 2.0
1.5H	+ 1.5 / - 1.5	+ 1.4 / - 1.8
2.0H	+ 2.9 / - 2.4	+ 3.4 / - 2.6

CIE Pub.117 Corrected 28142 lm Total Lamp Luminous Flux.(8log(F/F0) = 11.6)

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 Humidity:65.0%
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UNIT: μA10cd

C(deg) γ (deg)	0	15	30	45	60	75	90	105	120	135	150	165	180	195	210
0.0	1367	1365	1363	1361	1360	1358	1357	1356	1355	1353	1352	1351	1367	1365	1363
5.0	1356	1355	1355	1355	1356	1357	1358	1359	1359	1359	1358	1356	1371	1367	1362
10.0	1336	1336	1338	1340	1344	1347	1350	1353	1355	1355	1355	1353	1365	1359	1353
15.0	1308	1309	1313	1316	1322	1327	1332	1336	1341	1342	1342	1339	1350	1343	1334
20.0	1273	1274	1280	1284	1292	1297	1305	1310	1316	1318	1319	1315	1324	1317	1306
25.0	1226	1229	1238	1244	1253	1261	1270	1276	1283	1285	1287	1283	1291	1282	1271
30.0	1164	1170	1183	1192	1205	1214	1225	1232	1240	1242	1245	1240	1246	1238	1224
35.0	1084	1089	1110	1121	1142	1152	1169	1176	1187	1187	1191	1184	1188	1179	1163
40.0	944	952	976	992	1021	1041	1070	1084	1102	1103	1109	1101	1105	1095	1071
45.0	638	630	652	666	710	735	771	801	843	857	879	878	879	873	842
50.0	409	396	411	415	446	461	485	479	502	517	551	543	527	506	482
55.0	262	260	269	269	289	298	310	315	327	333	354	348	336	326	314
60.0	165	166	172	169	184	185	198	202	212	208	214	220	212	210	200
65.0	102	100	108	102	113	110	122	124	133	127	139	132	129	129	124
70.0	60.2	58.0	63.2	59.0	66.0	63.9	71.1	73.0	78.7	74.6	81.8	77.5	76.5	77.9	72.7
75.0	32.6	31.7	34.4	32.1	36.0	34.0	39.5	39.5	43.7	40.5	45.4	42.6	41.9	44.0	39.7
80.0	16.1	11.8	16.8	12.4	17.7	13.8	17.7	16.9	17.2	17.6	17.2	18.9	18.3	17.2	17.2
85.0	4.07	1.62	4.17	1.84	5.02	2.62	6.30	3.49	7.82	4.61	8.85	5.09	4.91	8.44	4.48
90.0	1.56	0.77	1.56	0.74	1.56	0.72	1.58	0.69	1.64	0.68	1.69	0.67	0.68	1.67	0.68
95.0	1.59	1.02	1.57	0.99	1.56	0.95	1.54	0.91	1.54	0.88	1.54	0.87	0.89	1.53	0.88
100.0	1.80	1.39	1.76	1.35	1.73	1.29	1.69	1.22	1.66	1.18	1.64	1.16	1.19	1.64	1.19
105.0	2.24	1.98	2.18	1.90	2.10	1.80	2.03	1.70	1.97	1.64	1.94	1.61	1.68	1.95	1.67
110.0	2.88	2.75	2.79	2.63	2.68	2.49	2.56	2.36	2.46	2.27	2.42	2.24	2.35	2.47	2.36
115.0	3.70	3.64	3.58	3.49	3.42	3.31	3.28	3.15	3.14	3.04	3.08	3.01	3.18	3.20	3.19
120.0	4.63	4.64	4.48	4.45	4.29	4.25	4.13	4.06	3.95	3.93	3.89	3.91	4.14	4.07	4.15
125.0	5.60	5.67	5.43	5.46	5.21	5.24	5.03	5.04	4.83	4.88	4.75	4.87	5.15	4.99	5.17
130.0	6.59	6.63	6.37	6.39	6.15	6.22	5.99	5.99	5.75	5.82	5.67	5.83	6.16	5.97	6.14
135.0	7.54	7.57	7.25	7.28	7.06	7.18	6.92	6.93	6.63	6.71	6.57	6.79	7.15	6.93	7.09
140.0	8.40	8.46	8.11	8.22	7.92	8.11	7.79	7.83	7.48	7.62	7.42	7.71	8.08	7.83	8.00
145.0	9.25	9.30	9.00	9.12	8.84	9.01	8.65	8.69	8.37	8.53	8.34	8.60	8.94	8.74	8.91
150.0	10.1	10.1	9.85	10.0	9.71	9.96	9.48	9.55	9.25	9.44	9.24	9.55	9.80	9.66	9.80
155.0	11.0	11.1	10.7	10.9	10.6	10.9	10.3	10.4	10.1	10.3	10.1	10.5	10.7	10.5	10.7
160.0	11.9	12.0	11.6	11.8	11.6	11.9	11.3	11.4	11.0	11.3	11.1	11.5	11.7	11.5	11.6
165.0	12.8	12.8	12.5	12.6	12.4	12.7	12.3	12.3	11.9	12.2	12.0	12.4	12.7	12.4	12.5
170.0	13.5	13.3	13.1	13.2	13.1	13.3	13.1	13.0	12.7	12.9	12.8	13.1	13.5	13.1	13.1
175.0	13.9	13.6	13.5	13.5	13.5	13.6	13.7	13.4	13.3	13.4	13.3	13.5	13.9	13.5	13.5
180.0	14.0	13.7	13.6	13.6	13.6	13.6	13.9	13.6	13.5	13.6	13.6	13.6	14.1	13.7	13.6

Test System:HOP00 HPG1800
 Temperature:25.3'C
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Test Set: 5.0deg/s C-Gamma (TYPE C)
 Humidity:65.0%
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UNIT: μA10cd

γ (deg) \ C(deg)	225	240	255	270	285	300	315	330	345
0.0	1361	1360	1358	1357	1356	1355	1353	1352	1351
5.0	1359	1354	1350	1346	1344	1341	1339	1338	1338
10.0	1347	1339	1334	1328	1324	1320	1319	1317	1318
15.0	1326	1317	1310	1302	1297	1292	1290	1288	1289
20.0	1297	1286	1277	1267	1261	1255	1253	1249	1252
25.0	1260	1247	1236	1223	1216	1207	1204	1200	1203
30.0	1213	1195	1182	1165	1155	1143	1139	1135	1139
35.0	1148	1125	1107	1085	1072	1056	1052	1046	1053
40.0	1049	1014	989	955	937	914	910	901	910
45.0	803	750	719	674	651	624	621	615	623
50.0	488	475	456	422	413	399	407	400	393
55.0	313	304	300	295	269	265	268	254	257
60.0	200	189	192	177	171	168	170	157	161
65.0	124	115	118	107	105	101	104	94.5	97.1
70.0	73.9	67.1	70.4	62.2	62.9	58.5	60.9	54.8	57.1
75.0	41.1	36.4	38.8	33.3	34.2	31.9	33.0	31.8	30.9
80.0	17.3	15.7	18.0	13.6	16.9	12.0	16.0	11.3	15.1
85.0	7.57	3.36	6.04	2.53	5.11	2.03	4.28	1.80	3.90
90.0	1.61	0.69	1.57	0.72	1.55	0.75	1.54	0.76	1.54
95.0	1.53	0.91	1.54	0.96	1.55	1.00	1.57	1.03	1.58
100.0	1.66	1.24	1.70	1.31	1.74	1.37	1.78	1.43	1.81
105.0	1.98	1.74	2.06	1.86	2.13	1.95	2.22	2.03	2.26
110.0	2.53	2.46	2.65	2.62	2.76	2.74	2.87	2.84	2.92
115.0	3.28	3.31	3.43	3.51	3.57	3.65	3.71	3.76	3.76
120.0	4.16	4.29	4.34	4.52	4.51	4.66	4.66	4.78	4.72
125.0	5.10	5.32	5.30	5.58	5.49	5.72	5.64	5.82	5.69
130.0	6.07	6.30	6.28	6.58	6.47	6.69	6.60	6.78	6.67
135.0	6.95	7.22	7.22	7.55	7.42	7.62	7.46	7.69	7.61
140.0	7.81	8.12	8.08	8.44	8.30	8.52	8.33	8.60	8.46
145.0	8.71	9.01	8.94	9.26	9.19	9.40	9.23	9.47	9.32
150.0	9.59	9.87	9.77	10.0	10.0	10.2	10.0	10.3	10.1
155.0	10.4	10.7	10.6	11.0	11.0	11.1	10.9	11.2	11.0
160.0	11.3	11.6	11.5	11.9	11.9	12.0	11.8	12.0	11.9
165.0	12.2	12.4	12.4	12.8	12.7	12.8	12.6	12.8	12.6
170.0	12.9	13.1	13.0	13.5	13.3	13.3	13.2	13.3	13.2
175.0	13.4	13.5	13.5	13.9	13.6	13.6	13.5	13.6	13.6
180.0	13.6	13.6	13.6	13.9	13.6	13.6	13.6	13.6	13.6

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