

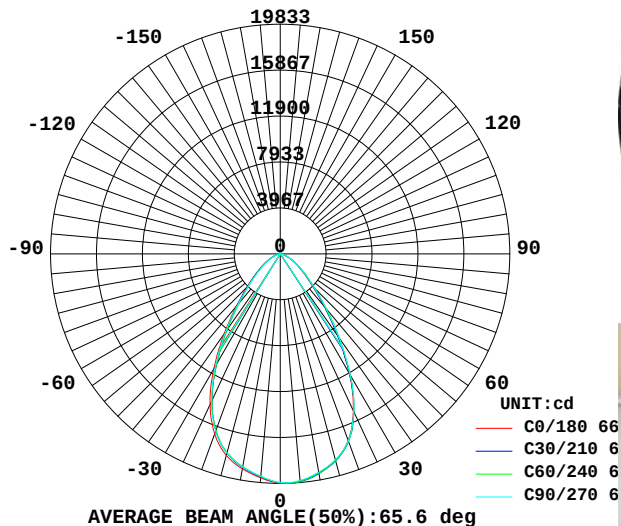
LUMINAIRE PHOTOMETRIC TEST REPORT

Report number:

MANUFACTURER:			
Address:			
NAME: Kolokol 150W lens 60 + Glass 30 min		TYPE:	WEIGHT:
SPECIFICATION:	CCT(K): 5224	DIMENSION:	SERIAL No.:

DATA OF LAMP		Imax(cd)	19833	S/MH(C0/180)	0.97
MODEL		EFFICIENCY(%)	100.0	S/MH(C90/270)	0.96
NOMINAL POWER(W)	148	TOTAL FLUX(lm)	25384.9	Voltage(V)	220.0
RATED VOLTAGE(V)	220	EFFICIENCY(lm/W)	170.5	Current(A)	0.688
NOMINAL FLUX(lm)	25384.9	η up(%)	1.2	Power(W)	148.8
LAMPS QUANTITY	1	η down(%)	98.8	Power Factor(PF)	0.983
TEST VOLTAGE(V)	220.0	Effective Flux(lm)	25384.8	EEI	0.080

LUMINOUS INTENSITY DISTRIBUTION



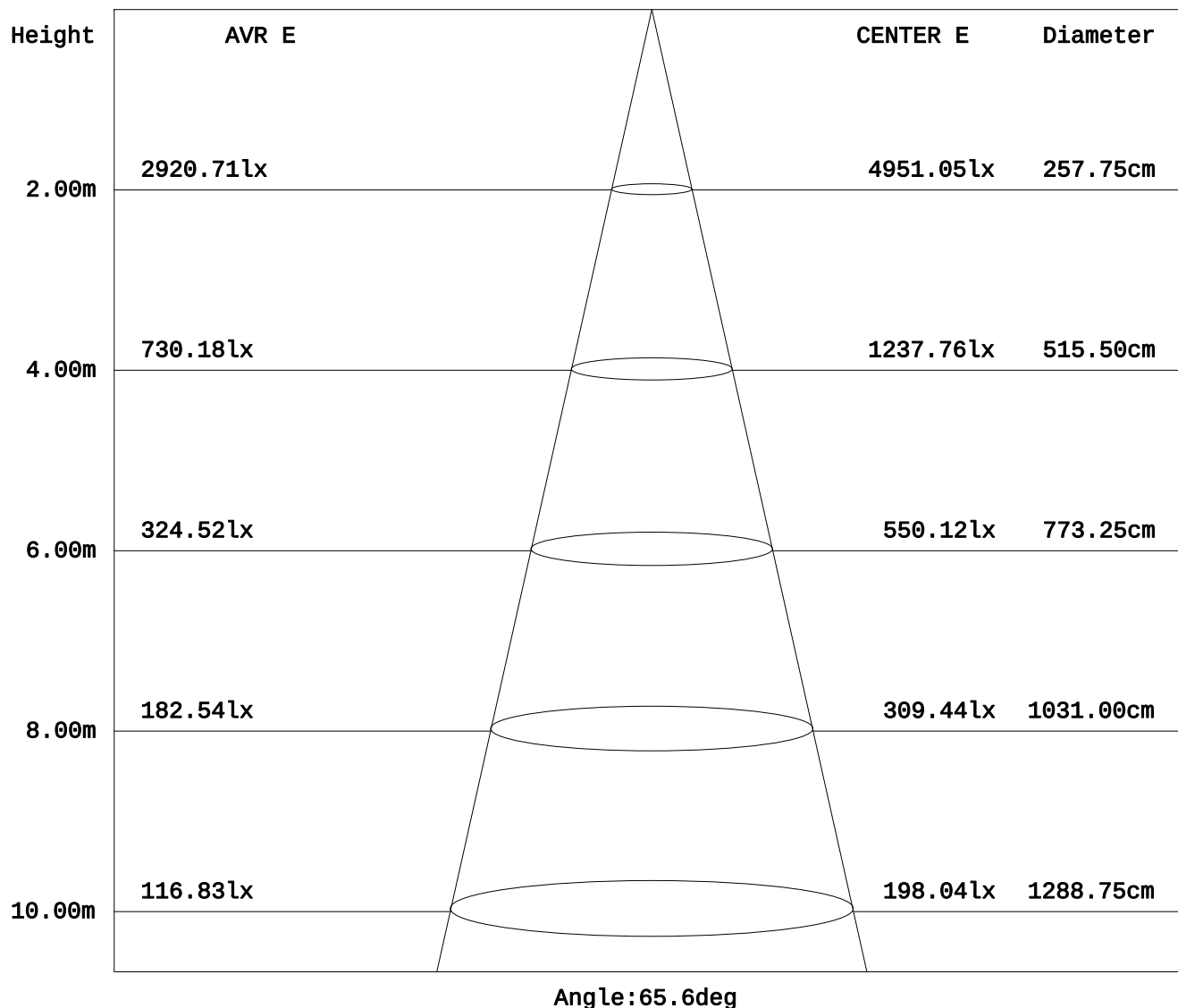
Test System: HOP00 HPG1800
 Temperature: 25.3°C
 Operators:
 Test Date: 11-29-2022

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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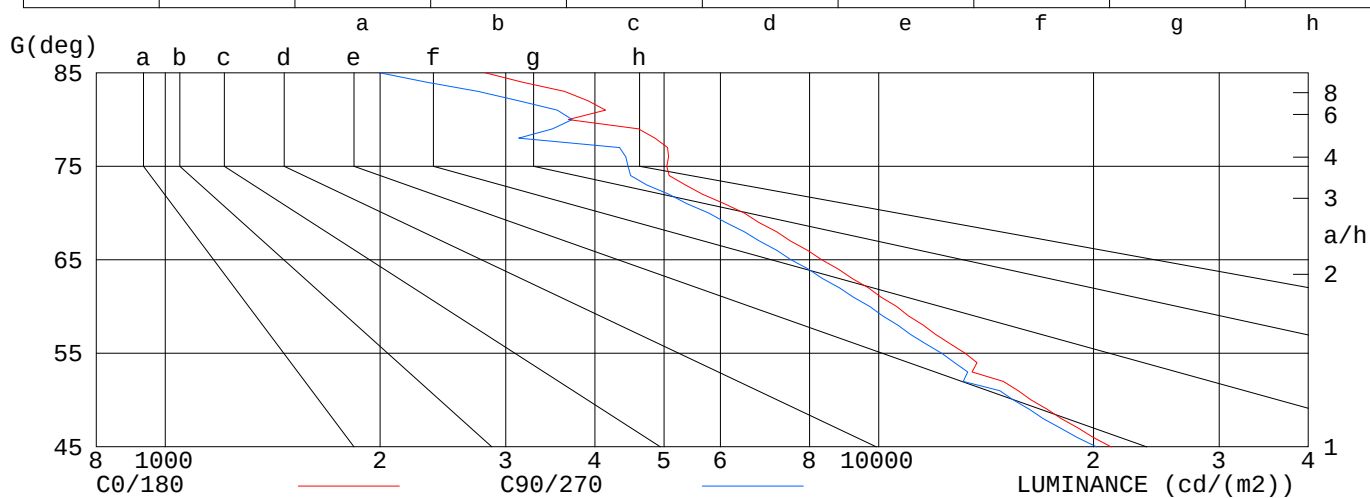
LUMINANCE LIMITATION CURVES

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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	2809	1999
80	3672	3718
75	5044	4452
70	6479	5777
65	8319	7532
60	10594	9714
55	13215	12248
50	16354	15438
45	21166	20199

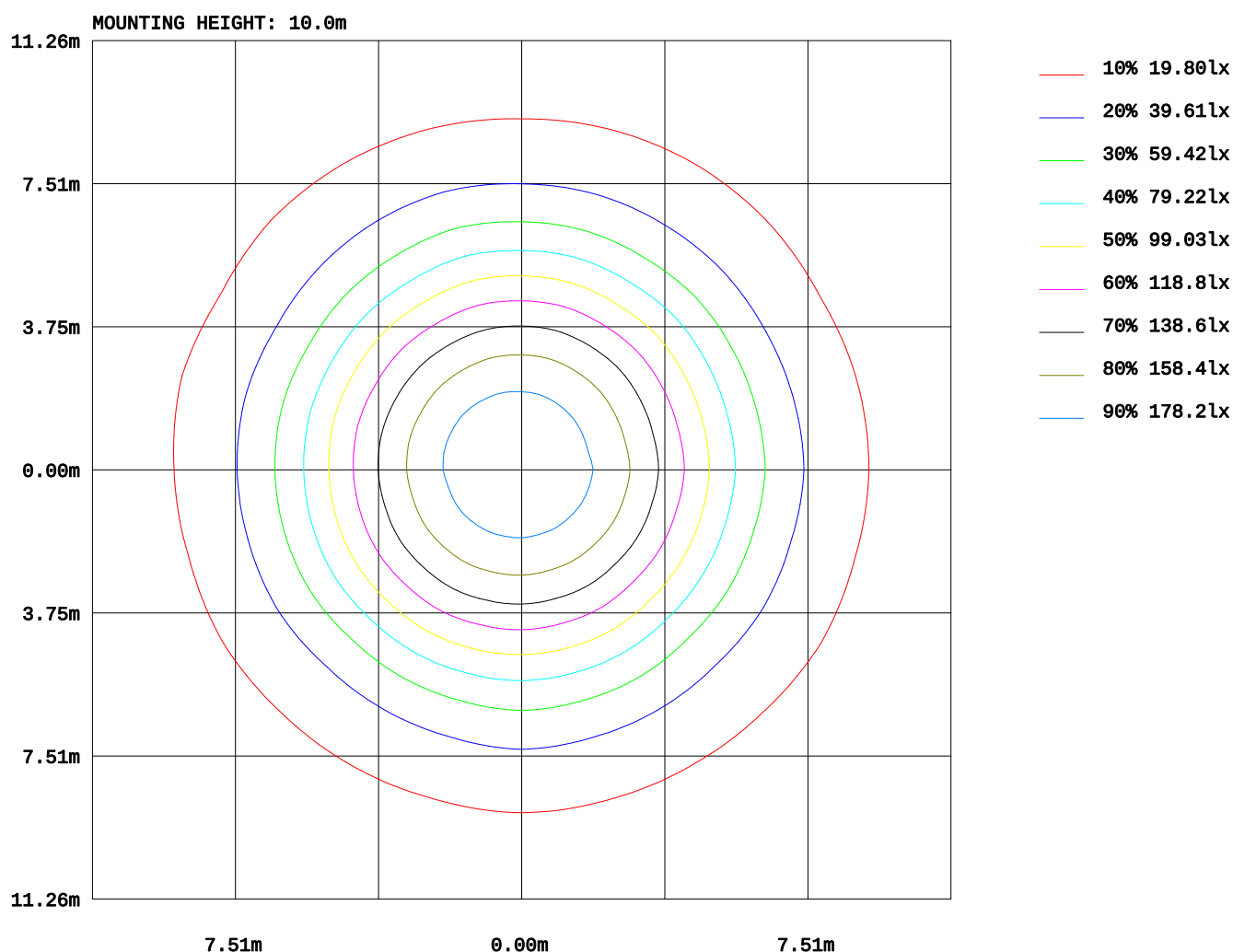
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ISOLUX DIAGRAM

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UGR Table

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SPECIFICATION:	CCT(K): 5224	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	20.0	21.1	20.2	21.3	21.5	19.7	20.9	20.0	21.1	21.3
3H	20.3	21.3	20.6	21.6	21.8	20.0	21.1	20.3	21.3	21.5
4H	20.4	21.3	20.7	21.6	21.9	20.1	21.1	20.4	21.3	21.6
6H	20.4	21.3	20.7	21.6	21.9	20.1	21.0	20.4	21.3	21.5
8H	20.4	21.3	20.7	21.6	21.9	20.0	20.9	20.4	21.2	21.5
12H	20.4	21.2	20.7	21.5	21.8	20.0	20.9	20.4	21.2	21.5
4H 2H	20.0	21.0	20.4	21.3	21.5	19.8	20.8	20.1	21.1	21.3
3H	20.5	21.3	20.8	21.6	21.9	20.2	21.1	20.6	21.4	21.7
4H	20.6	21.4	21.0	21.7	22.1	20.3	21.1	20.7	21.4	21.8
6H	20.7	21.4	21.1	21.7	22.1	20.4	21.1	20.8	21.4	21.8
8H	20.7	21.3	21.1	21.7	22.1	20.4	21.0	20.8	21.4	21.8
12H	20.7	21.3	21.1	21.7	22.1	20.3	20.9	20.8	21.3	21.7
8H 4H	20.6	21.2	21.0	21.6	22.0	20.3	20.9	20.7	21.3	21.7
6H	20.7	21.2	21.2	21.7	22.1	20.4	20.9	20.9	21.3	21.8
8H	20.7	21.2	21.2	21.6	22.1	20.4	20.9	20.9	21.3	21.8
12H	20.7	21.1	21.2	21.6	22.1	20.4	20.8	20.9	21.2	21.7
12H 4H	20.6	21.1	21.0	21.5	21.9	20.3	20.9	20.7	21.3	21.7
6H	20.7	21.1	21.2	21.6	22.1	20.4	20.8	20.8	21.3	21.7
8H	20.7	21.1	21.2	21.6	22.1	20.4	20.8	20.9	21.2	21.7

Variations with the observer position at spacings:

S = 1.0H	+ 1.0 / - 1.3	+ 1.0 / - 1.4
1.5H	+ 1.5 / - 0.8	+ 1.6 / - 1.2
2.0H	+ 1.9 / - 1.3	+ 1.9 / - 1.4

CIE Pub.117 Corrected 25385 lm Total Lamp Luminous Flux.(8log(F/F0) = 11.2)

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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	1980	1978	1978	1977	1978	1975	1975	1973	1973	1972	1970	1969	1980	1978	1978
5.0	1942	1936	1933	1929	1928	1927	1930	1932	1939	1944	1950	1955	1970	1974	1976
10.0	1886	1876	1872	1867	1867	1865	1870	1873	1880	1887	1896	1901	1920	1926	1928
15.0	1802	1785	1782	1772	1776	1771	1782	1784	1801	1806	1822	1825	1843	1852	1850
20.0	1655	1633	1626	1618	1622	1621	1631	1639	1657	1669	1689	1697	1716	1726	1725
25.0	1434	1406	1395	1385	1394	1395	1404	1409	1427	1437	1462	1477	1496	1509	1506
30.0	1152	1110	1102	1082	1101	1101	1121	1107	1126	1127	1169	1178	1193	1211	1199
35.0	846	816	807	789	795	805	823	802	798	808	843	858	875	884	870
40.0	590	567	575	551	545	551	565	547	544	550	573	573	595	614	593
45.0	405	392	401	385	380	380	386	378	384	384	396	388	399	423	406
50.0	284	289	281	267	266	264	268	262	266	266	274	267	290	291	289
55.0	205	191	201	188	192	187	190	185	190	187	196	188	195	204	201
60.0	143	133	139	131	134	129	131	128	132	129	136	131	134	142	140
65.0	95.0	88.3	92.2	85.9	88.1	83.7	86.0	82.4	86.4	83.8	88.8	85.3	87.8	93.9	92.9
70.0	59.9	53.5	57.6	51.6	54.3	50.0	53.4	49.3	53.3	49.9	55.1	51.4	52.9	58.0	56.3
75.0	35.2	31.6	33.6	29.9	31.5	29.2	31.1	29.0	29.3	30.2	30.5	29.2	29.6	32.5	30.4
80.0	17.2	15.4	17.8	13.8	17.5	13.1	17.4	12.9	17.1	12.8	17.6	13.9	14.0	18.2	14.7
85.0	6.62	2.90	5.64	2.34	4.89	2.02	4.71	2.02	4.55	2.14	5.01	2.45	2.52	5.48	2.96
90.0	1.54	0.66	1.51	0.67	1.49	0.68	1.49	0.68	1.48	0.67	1.49	0.66	0.66	1.50	0.64
95.0	1.44	0.83	1.45	0.85	1.45	0.86	1.45	0.85	1.44	0.84	1.43	0.82	0.83	1.43	0.80
100.0	1.50	1.06	1.51	1.09	1.52	1.10	1.52	1.10	1.51	1.08	1.50	1.05	1.06	1.49	1.03
105.0	1.67	1.37	1.70	1.42	1.72	1.44	1.72	1.42	1.70	1.40	1.67	1.36	1.39	1.66	1.34
110.0	1.98	1.81	2.02	1.86	2.05	1.89	2.06	1.87	2.03	1.83	1.98	1.78	1.83	1.97	1.76
115.0	2.45	2.42	2.50	2.48	2.54	2.52	2.55	2.49	2.50	2.42	2.44	2.36	2.45	2.44	2.34
120.0	3.13	3.21	3.19	3.28	3.23	3.33	3.27	3.28	3.18	3.19	3.10	3.11	3.26	3.10	3.11
125.0	4.03	4.23	4.11	4.30	4.15	4.35	4.19	4.29	4.07	4.17	3.97	4.06	4.24	3.98	4.06
130.0	5.08	5.39	5.17	5.48	5.22	5.52	5.25	5.45	5.12	5.31	4.99	5.18	5.41	5.04	5.20
135.0	6.27	6.61	6.38	6.71	6.43	6.75	6.45	6.66	6.29	6.51	6.15	6.37	6.67	6.20	6.44
140.0	7.52	7.90	7.62	7.98	7.67	8.05	7.70	7.92	7.51	7.75	7.36	7.63	7.95	7.46	7.69
145.0	8.76	9.16	8.80	9.21	8.89	9.34	8.92	9.17	8.69	8.96	8.53	8.90	9.24	8.75	8.96
150.0	9.96	10.3	9.98	10.3	10.0	10.5	10.1	10.3	9.84	10.1	9.74	10.1	10.4	9.99	10.2
155.0	11.0	11.4	11.1	11.5	11.2	11.7	11.2	11.4	10.9	11.2	10.9	11.3	11.6	11.2	11.3
160.0	12.1	12.5	12.1	12.6	12.3	12.9	12.2	12.4	12.0	12.3	12.0	12.5	12.8	12.4	12.5
165.0	13.3	13.6	13.2	13.6	13.4	13.9	13.4	13.5	13.1	13.4	13.1	13.6	14.0	13.5	13.6
170.0	14.5	14.6	14.3	14.6	14.4	14.9	14.6	14.5	14.1	14.4	14.2	14.6	15.1	14.5	14.6
175.0	15.5	15.3	15.1	15.3	15.2	15.4	15.5	15.2	15.0	15.1	15.0	15.2	15.8	15.3	15.3
180.0	15.9	15.6	15.5	15.5	15.4	15.5	15.8	15.5	15.3	15.4	15.3	15.4	16.0	15.5	15.5

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UNIT: μA10cd

γ (deg) \ C(deg)	225	240	255	270	285	300	315	330	345
0.0	1977	1978	1975	1975	1973	1973	1972	1970	1969
5.0	1977	1976	1972	1966	1959	1951	1943	1934	1927
10.0	1929	1925	1923	1916	1911	1900	1891	1881	1873
15.0	1856	1850	1852	1842	1840	1825	1817	1800	1792
20.0	1730	1725	1726	1718	1713	1695	1684	1663	1648
25.0	1512	1507	1515	1505	1497	1473	1465	1442	1426
30.0	1217	1210	1232	1209	1209	1176	1180	1146	1140
35.0	886	897	908	886	878	860	856	838	836
40.0	617	627	624	611	609	603	592	573	580
45.0	433	430	424	414	423	421	413	393	403
50.0	300	299	295	289	296	295	288	291	282
55.0	212	209	209	203	211	207	205	195	200
60.0	149	144	148	141	150	143	144	135	141
65.0	99.3	95.6	99.4	95.3	101	95.7	97.4	91.0	93.6
70.0	61.8	58.4	62.3	58.7	63.7	58.6	60.9	56.1	58.1
75.0	35.2	32.7	35.6	32.2	35.9	31.7	34.9	32.1	35.2
80.0	18.1	16.2	17.4	17.3	17.4	17.0	17.6	16.8	17.4
85.0	6.17	3.48	7.28	4.01	7.38	3.65	6.70	3.57	6.41
90.0	1.53	0.62	1.59	0.62	1.60	0.62	1.57	0.63	1.53
95.0	1.42	0.78	1.42	0.77	1.42	0.78	1.42	0.79	1.43
100.0	1.48	1.00	1.47	0.99	1.46	1.00	1.47	1.01	1.48
105.0	1.64	1.30	1.62	1.30	1.62	1.30	1.62	1.32	1.65
110.0	1.93	1.71	1.91	1.71	1.90	1.70	1.91	1.73	1.96
115.0	2.38	2.29	2.36	2.29	2.36	2.28	2.37	2.33	2.45
120.0	3.02	3.06	3.00	3.06	3.00	3.06	3.02	3.13	3.12
125.0	3.87	4.00	3.86	4.01	3.85	4.02	3.90	4.11	4.03
130.0	4.91	5.13	4.89	5.13	4.90	5.17	4.98	5.29	5.12
135.0	6.07	6.36	6.03	6.36	6.05	6.42	6.16	6.55	6.31
140.0	7.30	7.60	7.26	7.61	7.30	7.67	7.40	7.80	7.56
145.0	8.52	8.85	8.51	8.90	8.57	8.92	8.62	9.05	8.82
150.0	9.71	10.0	9.71	10.1	9.80	10.1	9.78	10.2	9.99
155.0	10.8	11.2	10.8	11.2	11.0	11.2	10.9	11.3	11.1
160.0	12.0	12.3	11.9	12.4	12.1	12.4	12.0	12.3	12.1
165.0	13.1	13.4	13.1	13.6	13.3	13.5	13.1	13.4	13.2
170.0	14.2	14.4	14.1	14.8	14.3	14.4	14.1	14.4	14.2
175.0	15.0	15.2	15.0	15.6	15.1	15.2	14.9	15.2	15.0
180.0	15.4	15.5	15.5	15.9	15.4	15.4	15.3	15.4	15.4

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