

Report number:

DATA OF LAMP		Imax(cd)	20714	S/MH(C0/180)	0.97
MODEL		EFFICIENCY(%)	100.0	S/MH(C90/270)	0.98
NOMINAL POWER(W)	148	TOTAL FLUX(lm)	26721.1	Voltage(V)	220.0
RATED VOLTAGE(V)	220	EFFICIENCY(lm/W)	179.6	Current(A)	0.687
NOMINAL FLUX(lm)	26721.1	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	Effictive Flux(lm)	26721.1	EEI	0.076

UNIT: cd

- C0/180
- C30/210
- C60/240
- C90/270

AVERAGE BEAM ANGLE(50%): 65.7 deg

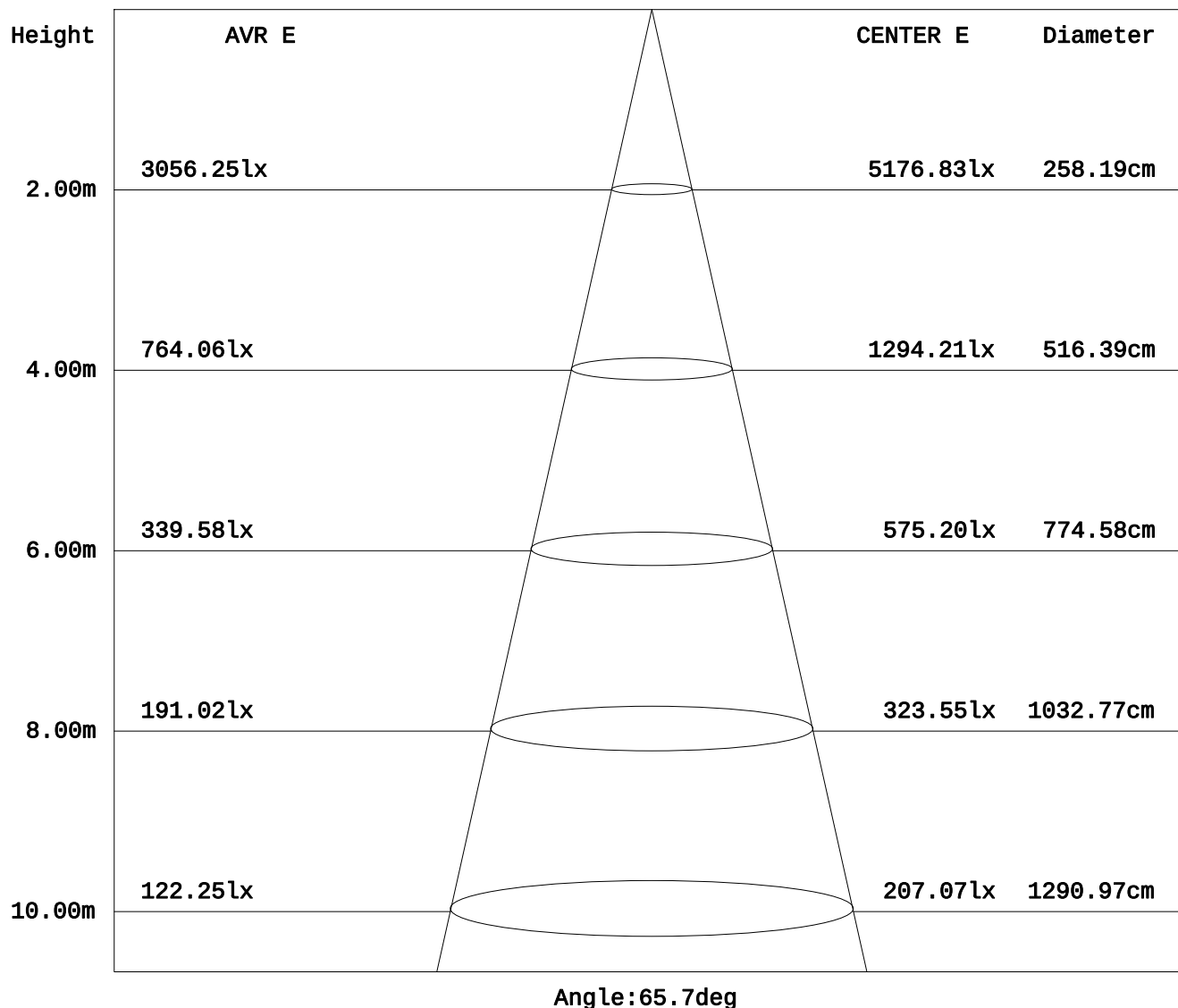


Test Set: 5.0deg/s C-Gamma (TYPE C)
Humidity:65.0%
Test Distance:10.000 m
Remarks: 72Ra. 0.1% Flickering.

AVERAGE AND CENTER E Figure

Report number:

MANUFACTURER:			
Address:			
NAME: Kolokol 150W lens 60 30 min		TYPE:	WEIGHT:
SPECIFICATION:	CCT(K): 5183	DIMENSION:	SERIAL No.:



Test System:
 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.

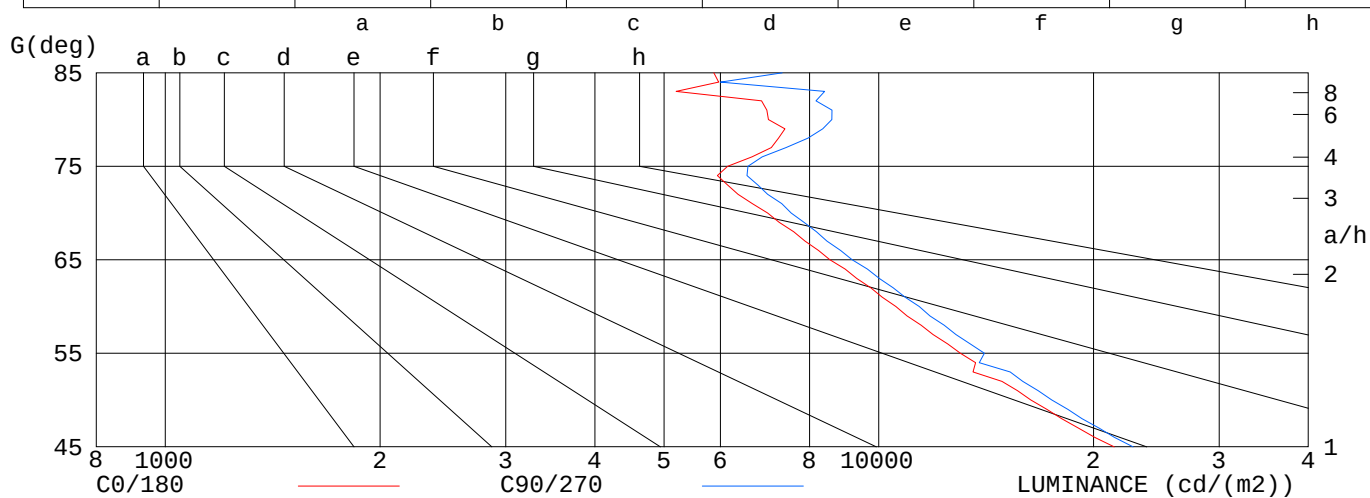
LUMINANCE LIMITATION CURVES

Report number:

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NAME: Kolokol 150W lens 60 30 min		TYPE:	WEIGHT:
SPECIFICATION:	CCT(K): 5183	DIMENSION:	SERIAL No.:

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	5873	7324
80	7003	8593
75	6140	6557
70	6986	7538
65	8540	9176
60	10565	11393
55	13013	14065
50	16331	17478
45	21378	22727

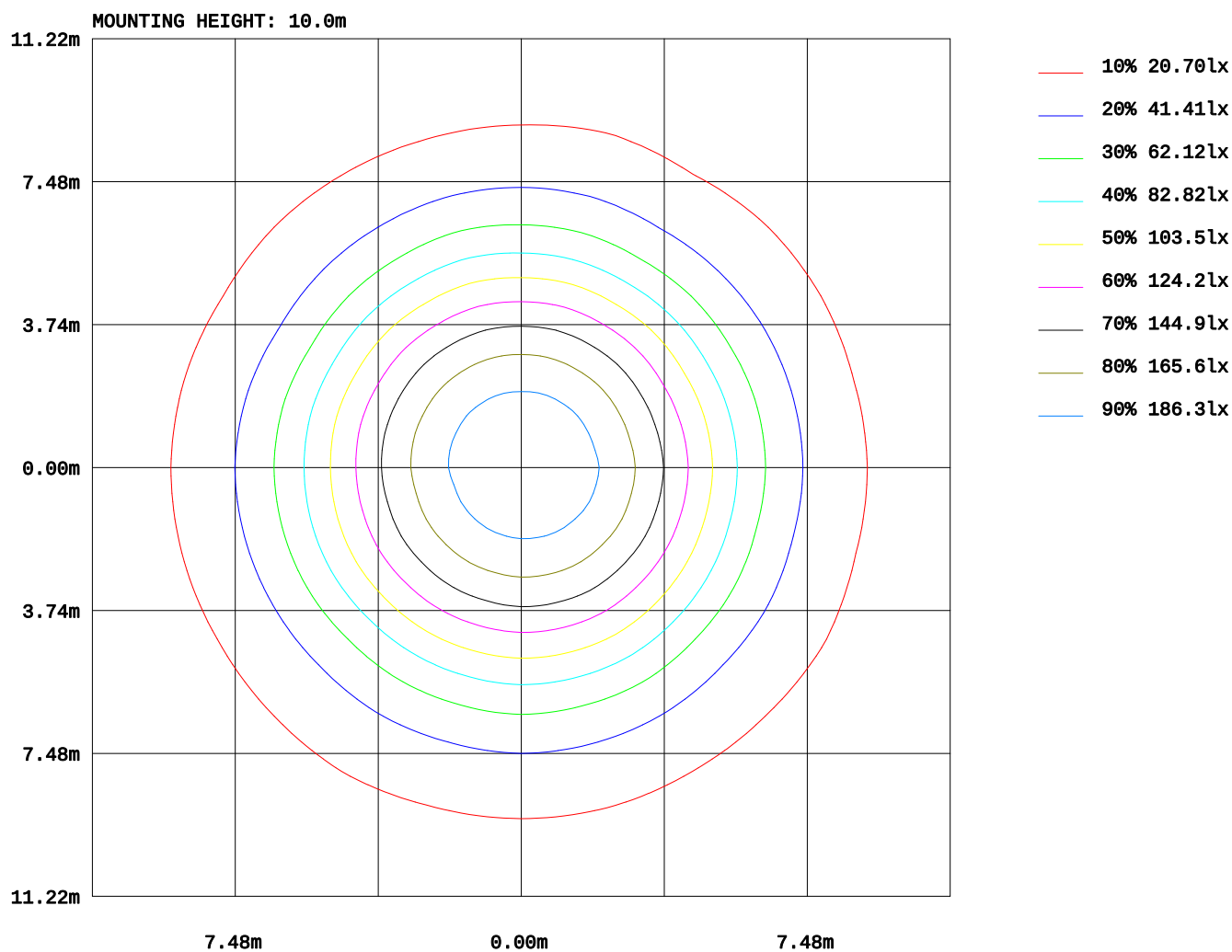
Test System:
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 Operators:
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ISOLUX DIAGRAM

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UGR Table

Report number:

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Address:										
NAME: Kolokol 150W lens 60 30 min						TYPE:			WEIGHT:	
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				
x = 2H y = 2H						Viewed endwise				
3H						20.2 21.4 20.5 21.6 21.8				
4H						20.4 21.5 20.6 21.7 21.9				
6H						20.8 21.8 21.1 22.1 22.3				
8H						20.9 21.9 21.2 22.2 22.4				
12H						21.2 22.1 21.5 22.4 22.7				
						21.3 22.2 21.6 22.5 22.8				
						21.3 22.2 21.7 22.5 22.8				
4H 2H						20.3 21.3 20.6 21.6 21.8				
3H						20.5 21.5 20.8 21.7 22.0				
4H						21.0 21.9 21.4 22.2 22.5				
6H						21.3 22.0 21.6 22.4 22.7				
8H						21.7 22.3 22.1 22.7 23.1				
12H						21.8 22.5 22.2 22.8 23.2				
						21.9 22.5 22.3 22.9 23.3				
8H 4H						21.1 21.7 21.5 22.1 22.5				
6H						21.3 21.9 21.7 22.3 22.7				
8H						21.9 22.4 22.3 22.8 23.2				
12H						22.1 22.6 22.6 23.0 23.5				
						22.2 22.6 22.7 23.1 23.6				
12H 4H						21.1 21.7 21.5 22.1 22.5				
6H						21.3 21.9 21.7 22.3 22.7				
8H						21.9 22.4 22.4 22.8 23.3				
						22.2 22.6 22.6 23.0 23.5				

Variations with the observer position at spacings:

S = 1.0H	+ 0.8 / - 1.1	+ 0.7 / - 1.0
1.5H	+ 1.1 / - 0.6	+ 1.1 / - 0.6
2.0H	+ 1.4 / - 0.9	+ 1.5 / - 0.9

CIE Pub.117 Corrected 26721 lm Total Lamp Luminous Flux.(8log(F/F0) = 11.4)

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 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

Report number:

MANUFACTURER:															
Address:															
NAME: Kolokol 150W lens 60 30 min								TYPE:				WEIGHT:			
SPECIFICATION:				CCT(K): 5183				DIMENSION:				SERIAL No.:			

UNIT: μA10cd

γ (deg) \ C(deg)	0	15	30	45	60	75	90	105	120	135	150	165	180	195	210
0.0	2071	2069	2068	2067	2066	2065	2064	2063	2063	2062	2061	2061	2071	2069	2068
5.0	2054	2049	2045	2039	2035	2030	2028	2024	2023	2021	2022	2023	2039	2041	2042
10.0	2001	1995	1991	1983	1979	1972	1969	1964	1962	1960	1961	1960	1977	1980	1982
15.0	1921	1915	1914	1905	1902	1894	1889	1880	1879	1876	1878	1878	1892	1901	1902
20.0	1777	1771	1771	1764	1764	1753	1748	1735	1735	1733	1739	1739	1754	1763	1764
25.0	1540	1531	1532	1531	1538	1529	1525	1510	1508	1505	1518	1520	1530	1536	1528
30.0	1221	1214	1222	1227	1240	1235	1237	1219	1214	1210	1226	1234	1233	1237	1207
35.0	875	867	881	883	902	907	913	898	895	885	896	910	920	899	861
40.0	599	594	615	608	615	628	633	623	633	620	615	625	634	614	583
45.0	409	411	433	423	424	433	435	431	446	433	427	427	424	421	405
50.0	284	289	301	293	295	299	304	297	310	299	295	296	294	291	289
55.0	202	203	213	206	211	210	218	209	220	210	211	209	205	208	198
60.0	143	143	150	145	150	148	154	148	155	148	151	148	142	147	138
65.0	97.5	97.0	103	98.6	103	100	105	100	106	101	103	99.6	96.6	99.4	93.5
70.0	64.6	63.1	67.2	64.1	68.6	65.6	69.7	66.1	70.7	65.8	69.2	64.8	63.2	65.4	60.4
75.0	42.9	39.9	42.4	40.4	44.0	42.5	45.8	42.3	45.5	42.8	44.5	41.9	40.6	42.3	37.6
80.0	32.8	31.0	34.9	34.0	38.9	36.7	40.3	37.2	40.2	36.4	38.3	35.1	33.1	34.1	31.0
85.0	13.8	8.71	15.1	10.8	17.1	13.8	17.2	14.2	17.3	12.6	16.9	12.1	11.2	14.7	8.12
90.0	1.73	0.72	1.80	0.70	1.99	0.70	2.20	0.71	2.18	0.71	2.03	0.71	0.72	1.79	0.72
95.0	1.60	0.90	1.59	0.87	1.60	0.87	1.62	0.86	1.62	0.87	1.62	0.88	0.89	1.59	0.89
100.0	1.64	1.13	1.63	1.10	1.62	1.09	1.64	1.09	1.64	1.10	1.64	1.11	1.13	1.63	1.13
105.0	1.81	1.44	1.78	1.40	1.76	1.39	1.78	1.39	1.78	1.40	1.78	1.41	1.46	1.79	1.46
110.0	2.12	1.89	2.08	1.84	2.06	1.83	2.07	1.82	2.06	1.83	2.07	1.84	1.90	2.09	1.90
115.0	2.61	2.51	2.55	2.44	2.51	2.44	2.52	2.42	2.51	2.43	2.52	2.45	2.54	2.59	2.51
120.0	3.31	3.31	3.24	3.24	3.20	3.23	3.21	3.21	3.19	3.21	3.19	3.23	3.39	3.28	3.35
125.0	4.22	4.34	4.15	4.27	4.11	4.26	4.12	4.23	4.10	4.23	4.08	4.24	4.43	4.23	4.39
130.0	5.29	5.53	5.24	5.48	5.20	5.45	5.19	5.42	5.17	5.42	5.15	5.42	5.67	5.37	5.61
135.0	6.50	6.77	6.47	6.74	6.43	6.71	6.43	6.69	6.41	6.67	6.38	6.67	7.01	6.62	6.93
140.0	7.78	8.08	7.73	8.05	7.72	8.07	7.73	8.02	7.69	8.00	7.66	8.02	8.35	7.95	8.25
145.0	9.05	9.38	8.96	9.34	8.98	9.42	9.02	9.34	8.94	9.28	8.93	9.36	9.71	9.30	9.57
150.0	10.3	10.5	10.1	10.5	10.2	10.7	10.2	10.5	10.1	10.4	10.1	10.6	10.9	10.5	10.8
155.0	11.5	11.7	11.3	11.7	11.4	11.9	11.4	11.6	11.3	11.6	11.4	11.9	12.1	11.8	12.0
160.0	12.6	12.9	12.5	12.9	12.6	13.1	12.5	12.8	12.4	12.8	12.6	13.1	13.3	13.0	13.2
165.0	13.9	14.1	13.7	14.0	13.8	14.3	13.8	13.9	13.6	13.9	13.8	14.3	14.6	14.2	14.3
170.0	15.2	15.2	14.8	15.1	14.9	15.4	15.1	15.1	14.7	15.0	14.9	15.3	15.7	15.2	15.3
175.0	16.2	16.0	15.7	15.9	15.8	16.1	16.1	15.9	15.6	15.8	15.7	16.0	16.5	16.0	16.0
180.0	16.6	16.3	16.1	16.2	16.1	16.2	16.6	16.2	16.1	16.1	16.1	16.2	16.7	16.2	16.2

Test System:
 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.

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MANUFACTURER:			
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NAME: Kolokol 150W lens 60 30 min		TYPE:	WEIGHT:
SPECIFICATION:	CCT(K): 5183	DIMENSION:	SERIAL No.:

UNIT: μA10cd

γ (deg) \ C(deg)	225	240	255	270	285	300	315	330	345
0.0	2067	2066	2065	2064	2063	2063	2062	2061	2061
5.0	2045	2047	2050	2051	2052	2051	2050	2047	2045
10.0	1989	1990	1993	1994	1996	1995	1995	1991	1989
15.0	1912	1910	1916	1911	1916	1909	1914	1906	1908
20.0	1773	1772	1776	1770	1773	1765	1766	1758	1762
25.0	1532	1529	1537	1527	1528	1516	1516	1510	1523
30.0	1217	1204	1221	1197	1198	1173	1187	1179	1206
35.0	866	867	875	866	859	834	847	860	871
40.0	588	583	579	584	593	564	586	595	589
45.0	411	397	392	392	407	385	410	406	400
50.0	285	290	271	289	280	290	284	290	279
55.0	202	194	193	192	197	192	201	197	198
60.0	142	134	136	133	139	134	142	137	141
65.0	96.7	90.7	91.9	89.1	93.0	91.1	96.2	92.3	95.8
70.0	62.8	58.0	59.4	56.9	59.7	58.0	62.4	58.8	62.5
75.0	39.6	36.7	40.3	39.3	40.9	37.8	41.2	39.9	43.2
80.0	30.2	25.1	28.9	24.4	28.4	23.9	28.2	25.5	31.8
85.0	11.9	6.55	11.0	6.04	11.0	5.95	11.2	6.58	12.4
90.0	1.69	0.72	1.66	0.73	1.66	0.73	1.67	0.73	1.69
95.0	1.57	0.90	1.57	0.91	1.57	0.91	1.57	0.90	1.58
100.0	1.62	1.14	1.62	1.15	1.63	1.15	1.63	1.14	1.63
105.0	1.79	1.47	1.79	1.49	1.80	1.49	1.80	1.47	1.79
110.0	2.11	1.92	2.11	1.94	2.13	1.93	2.13	1.93	2.12
115.0	2.60	2.54	2.62	2.58	2.63	2.56	2.62	2.56	2.64
120.0	3.29	3.38	3.33	3.43	3.34	3.39	3.33	3.41	3.35
125.0	4.23	4.41	4.27	4.47	4.27	4.41	4.26	4.44	4.30
130.0	5.37	5.63	5.40	5.68	5.39	5.62	5.38	5.65	5.42
135.0	6.59	6.94	6.61	6.97	6.60	6.91	6.59	6.95	6.63
140.0	7.88	8.22	7.91	8.29	7.90	8.21	7.86	8.23	7.92
145.0	9.17	9.52	9.21	9.60	9.23	9.52	9.13	9.52	9.21
150.0	10.3	10.7	10.4	10.8	10.5	10.8	10.3	10.7	10.4
155.0	11.5	11.9	11.6	12.0	11.7	12.0	11.5	11.9	11.6
160.0	12.7	13.0	12.7	13.2	13.0	13.2	12.7	13.0	12.7
165.0	13.8	14.1	13.9	14.4	14.2	14.3	13.8	14.2	13.9
170.0	14.9	15.2	15.0	15.6	15.2	15.3	14.9	15.2	15.0
175.0	15.8	16.0	15.8	16.4	16.0	16.0	15.8	16.0	15.8
180.0	16.1	16.2	16.2	16.6	16.2	16.1	16.1	16.1	16.2

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