

UGR(Unified Glare Rating) Table

Test:U:24.00V I:0.5980A P:14.35W PF:1.000 Freq:0Hz Lamp Flux:1530.37x1 lm										
NAME: UB-AS-30K90C-24V					TYPE: LED Strip			WEIGHT:Kg		
SPEC.:14.4W					DIM.: 1000*10*2(MM)			SERIAL No.:001		
MFR.: Flexfire LEDs, Inc.					SUR.:1000*10(MM)			Shielding Angle:120		
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	24.6	26.1	24.9	26.3	26.6	25.0	26.5	25.3	26.8	27.0
3H	26.0	27.4	26.4	27.7	28.0	26.6	28.0	27.0	28.3	28.6
4H	26.6	27.9	26.9	28.2	28.5	27.3	28.6	27.6	28.9	29.2
6H	26.9	28.1	27.2	28.4	28.7	27.8	29.0	28.1	29.3	29.6
8H	27.0	28.2	27.3	28.5	28.8	27.9	29.1	28.3	29.5	29.8
12H	27.0	28.2	27.4	28.5	28.8	28.0	29.2	28.4	29.5	29.9
4H 2H	25.3	26.6	25.6	26.9	27.1	25.6	26.9	25.9	27.2	27.5
3H	26.9	28.0	27.2	28.4	28.7	27.4	28.5	27.7	28.9	29.2
4H	27.5	28.6	27.9	28.9	29.3	28.1	29.2	28.5	29.6	29.9
6H	28.0	28.9	28.4	29.3	29.7	28.8	29.7	29.2	30.1	30.5
8H	28.1	29.0	28.5	29.4	29.8	29.0	29.9	29.4	30.3	30.7
12H	28.2	29.0	28.6	29.4	29.8	29.2	30.0	29.6	30.4	30.8
8H 4H	27.8	28.7	28.2	29.1	29.5	28.4	29.2	28.8	29.6	30.1
6H	28.4	29.1	28.8	29.5	30.0	29.1	29.9	29.6	30.3	30.7
8H	28.6	29.2	29.1	29.7	30.2	29.4	30.1	29.9	30.5	31.0
12H	28.7	29.3	29.2	29.8	30.3	29.7	30.3	30.2	30.7	31.2
12H 4H	27.8	28.6	28.3	29.0	29.5	28.4	29.2	28.8	29.6	30.0
6H	28.4	29.1	28.9	29.5	30.0	29.2	29.8	29.6	30.3	30.7
8H	28.7	29.3	29.2	29.7	30.2	29.5	30.1	30.0	30.5	31.0
Variations with the observer position at spacings:										
S = 1.0H	+ 0.2 / - 0.2					+ 0.1 / - 0.2				
1.5H	+ 0.2 / - 0.4					+ 0.2 / - 0.3				
2.0H	+ 0.2 / - 0.4					+ 0.2 / - 0.3				

CIE Pub.117, 1530 lm Total Lamp Luminous Flux Correct (8log(F/F0) = 1.5)

C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:25.0DEG
 Test Date:2019-7-31

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.362
 Humidity:65.0%
 Test Distance:7.000m [K=1.0000]

UTILIZATION FACTORS TABLE

Test:U:24.00V I:0.5980A P:14.35W PF:1.000 Freq:0Hz Lamp Flux:1530.37x1 lm		
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SPEC.:14.4W	DIM.: 1000*10*2(MM)	SERIAL No.:001
MFR.: Flexfire LEDs, Inc.	SUR.:1000*10(MM)	Shielding Angle:120

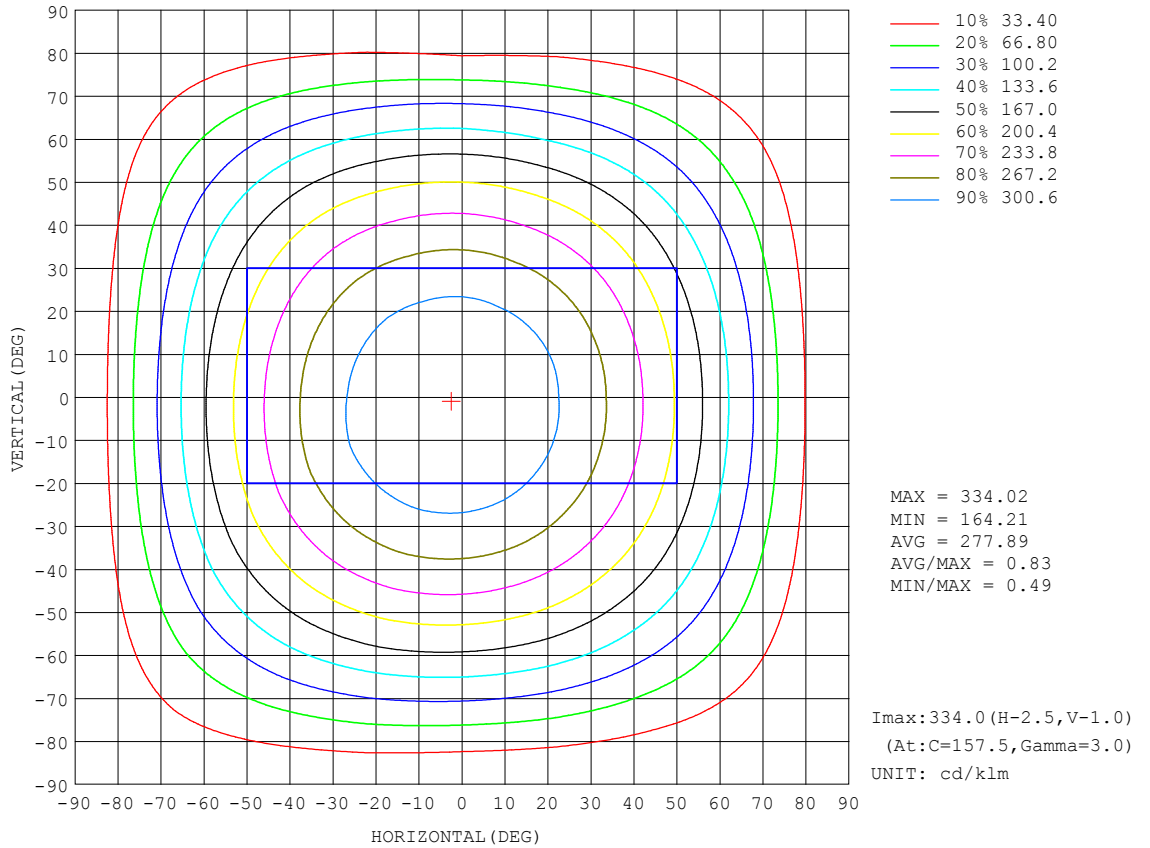
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS (PERCENT) $k(RI) \times RCR = 5$									
k = 0.60	57	45	38	56	45	38	54	44	37	31
0.80	67	55	47	65	54	47	64	53	47	40
1.00	75	64	56	74	63	56	71	64	55	48
1.25	82	71	64	81	71	64	78	69	63	55
1.50	87	77	70	85	76	69	82	74	68	60
2.00	94	85	79	92	84	78	89	82	76	68
2.50	98	90	84	96	89	83	92	86	81	72
3.00	102	94	89	99	93	88	95	90	85	77
4.00	106	100	95	103	98	94	99	94	91	81
5.00	108	103	99	106	101	97	101	97	94	84
ROOM INDEX	UF(total)									Direct
According to DIN EN 13032-2 2004			Suspended				SHRNOM = 1.25			

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ISOCANDELA DIAGRAM

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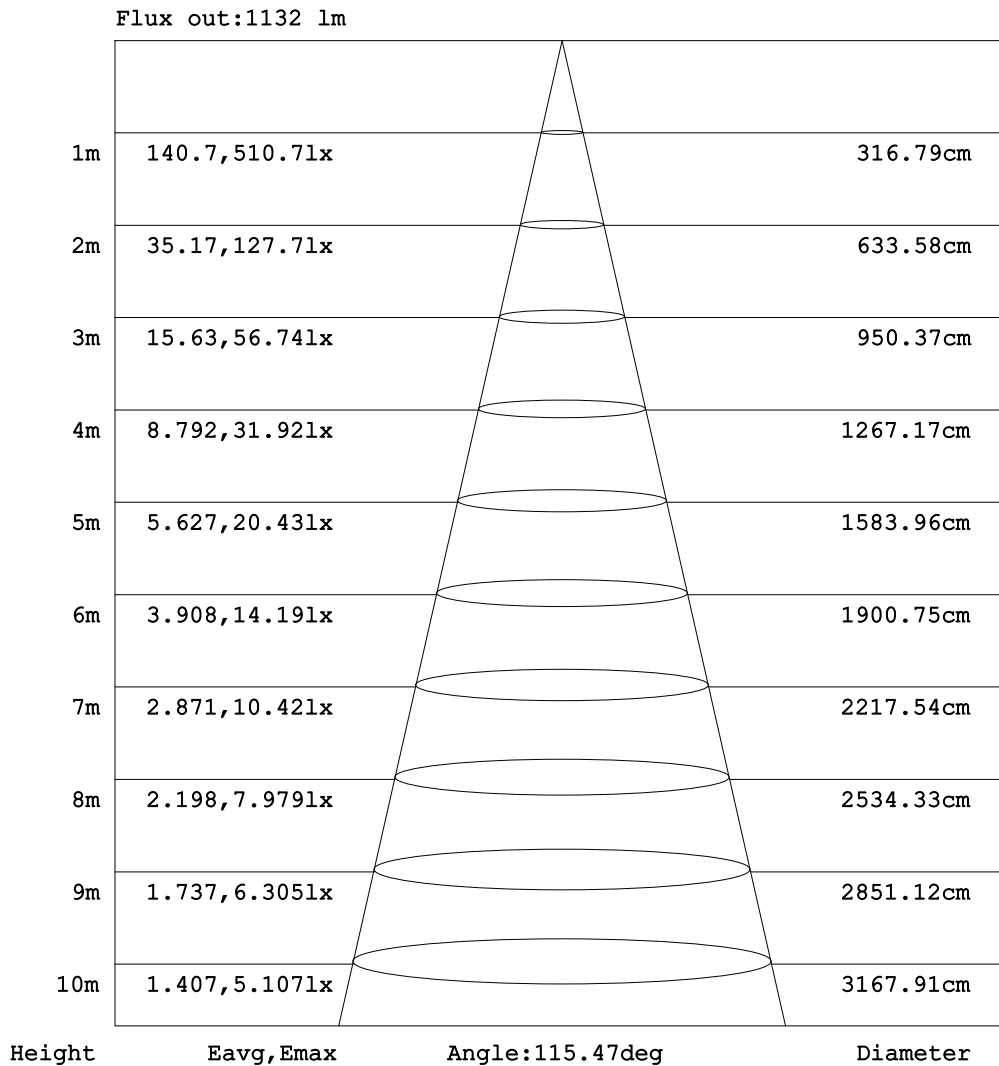


C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:25.0DEG
 Test Date:2019-7-31

γ Range: 0 - 180DEG
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AAI Figure

Test:U:24.00V I:0.5980A P:14.35W PF:1.000 Freq:0Hz Lamp Flux:1530.37x1 lm		
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SPEC.:14.4W	DIM.: 1000*10*2(MM)	SERIAL No.:001
MFR.: Flexfire LEDs, Inc.	SUR.:1000*10(MM)	Shielding Angle:120



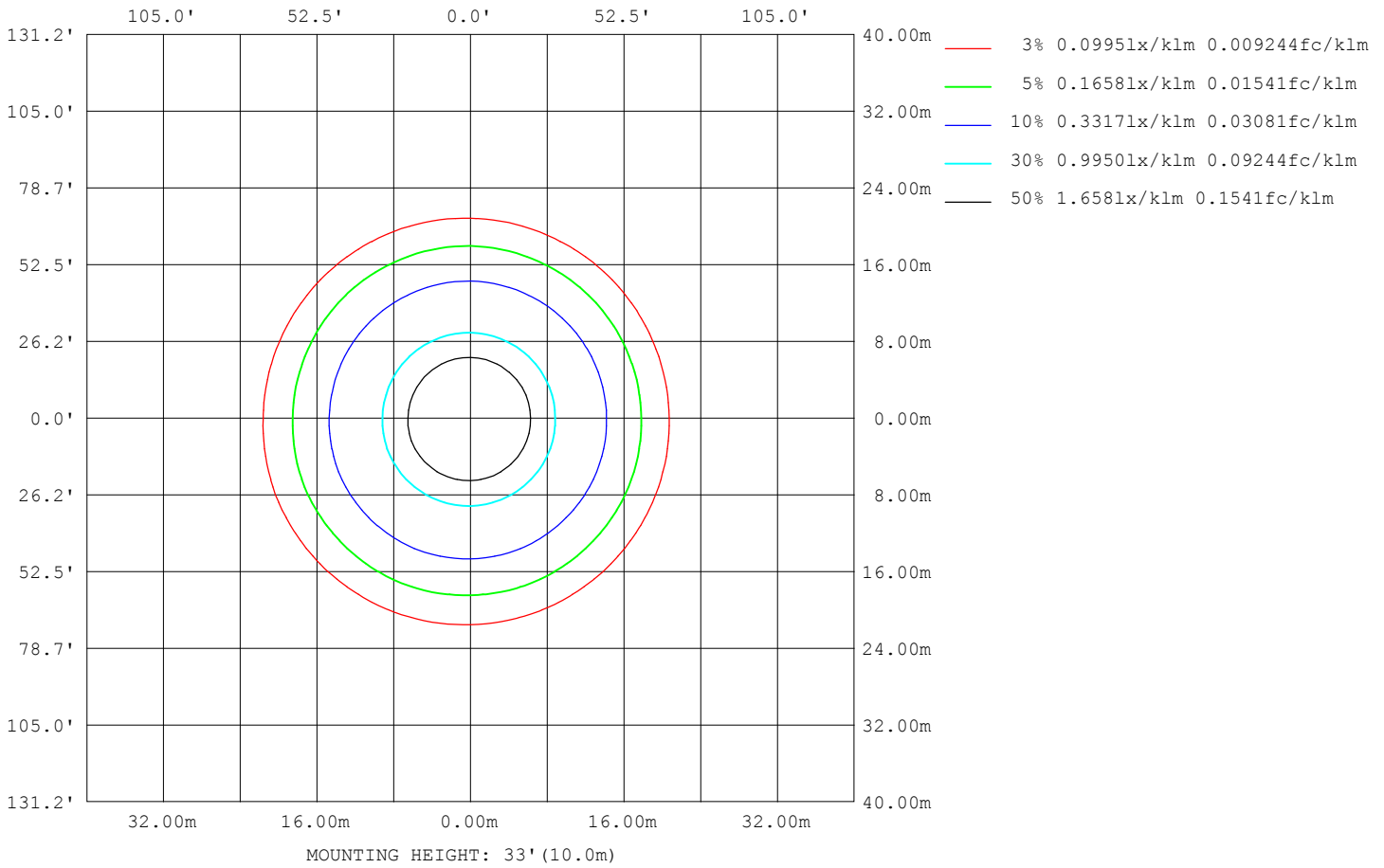
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

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ISOLUX DIAGRAM

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MFR.: Flexfire LEDs, Inc.	SUR.:1000*10 (MM)	Shielding Angle:120



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LED Avg.L Report

Test:U:24.00V I:0.5980A P:14.35W PF:1.000 Freq:0Hz Lamp Flux:1530.37x1 lm		
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SPEC.:14.4W	DIM.: 1000*10*2 (MM)	SERIAL No.:001
MFR.: Flexfire LEDs, Inc.	SUR.:1000*10 (MM)	Shielding Angle:120

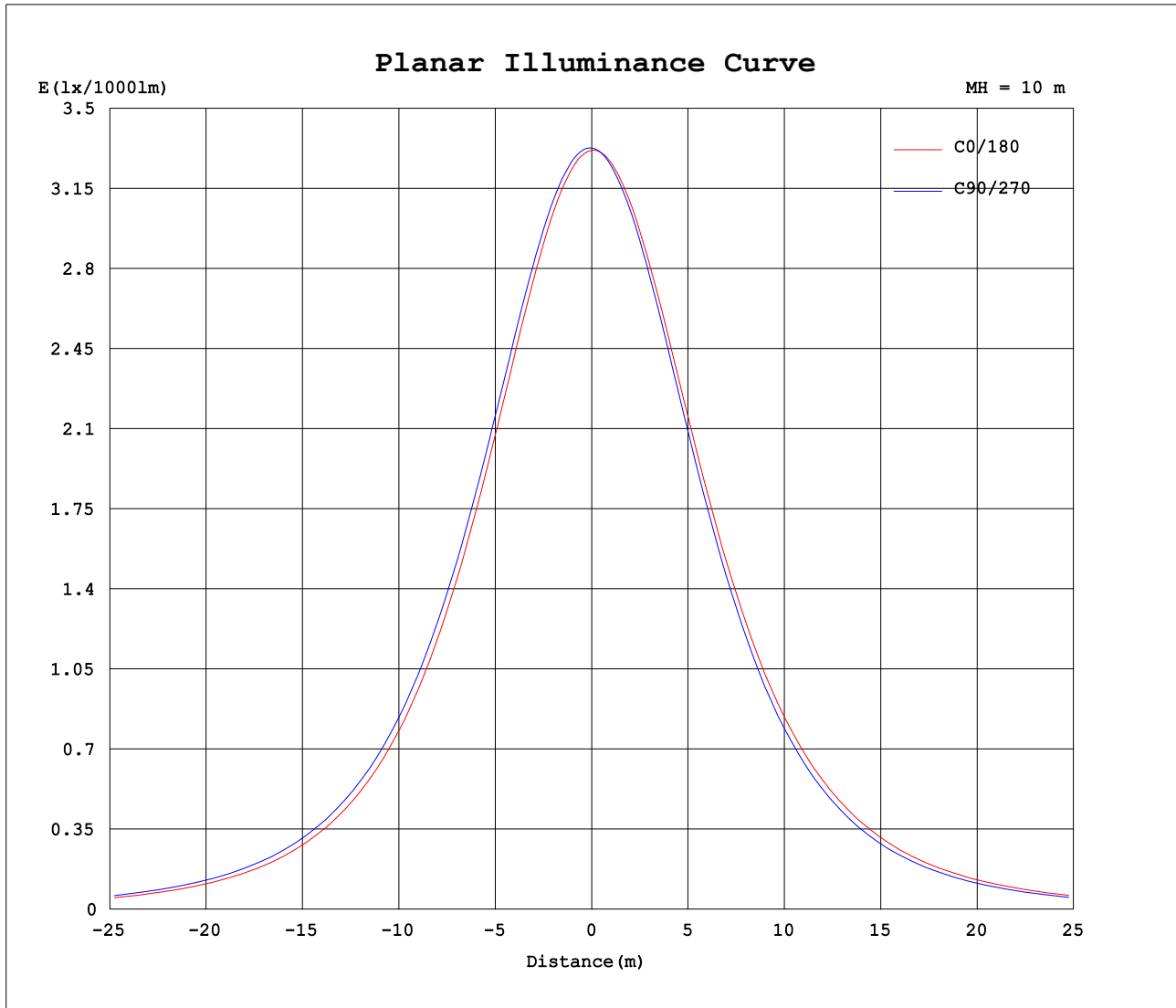
AvgL	cd/m2
L_0~180 (65) av	45749
L_0~180 (75) av	39685
L_0~180 (85) av	30505
L_90~270 (65) av	45767
L_90~270 (75) av	39327
L_90~270 (85) av	26215
L_45 (65) av	45869
L_45 (75) av	40166
L_45 (85) av	33214

Standard: GB/T 29293-2012

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 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.362
 Humidity:65.0%
 Test Distance:7.000m [K=1.0000]

Planar Illuminance Curve



C Range: 0 - 360DEG
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 Test Date:2019-7-31

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.362
 Humidity:65.0%
 Test Distance:7.000m [K=1.0000]

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:24.00V I:0.5980A P:14.35W PF:1.000 Freq:0Hz Lamp Flux:1530.37x1 lm		
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MFR.: Flexfire LEDs, Inc.	SUR.:1000*10(MM)	Shielding Angle:120

Table--1

UNIT: cd/klm

C (DEG) \ γ (DEG)	0	22.5	45	67.5	90	112.5	135	157.5	180	202.5	225	247.5	270	292.5	315	337.5			
0	333	333	333	333	333	333	333	333	333	333	333	333	333	333	333	333			
5	330	331	331	332	332	333	333	333	332	332	332	331	330	330	330	330			
10	325	326	327	328	329	330	330	330	330	329	328	326	325	325	324	324			
15	318	319	320	322	324	325	326	326	324	323	322	319	318	317	316	316			
20	307	309	311	314	316	317	318	318	316	314	313	310	308	307	306	306			
25	295	297	300	303	305	307	308	308	306	303	301	298	296	294	293	293			
30	280	282	285	289	292	295	295	295	293	290	287	284	281	279	278	278			
35	263	266	269	273	276	279	280	280	277	274	271	267	264	261	261	260			
40	243	246	250	255	258	261	262	262	259	255	252	248	245	242	241	241			
45	221	225	229	233	237	241	242	242	239	235	232	227	224	220	220	219			
50	198	202	205	211	215	219	220	220	216	212	208	204	200	197	196	195			
55	172	176	180	186	189	194	195	195	191	187	183	178	175	171	170	170			
60	145	149	153	159	163	167	168	169	165	161	157	151	148	144	143	143			
65	117	121	124	129	134	138	140	140	136	132	128	123	119	116	115	114			
70	87.6	91.2	94.9	100	104	108	110	110	106	103	98.2	93.5	89.7	87.0	85.7	85.4			
75	58.6	62.2	65.3	70.4	74.0	78.3	80.0	79.7	75.6	72.3	68.9	64.4	59.0	58.4	57.6	56.8			
80	32.5	35.6	38.3	42.8	45.7	49.8	50.6	50.6	46.5	43.8	41.4	37.8	30.0	33.1	32.3	31.5			
85	12.8	15.2	17.2	20.4	21.7	25.2	25.9	25.7	21.9	20.4	19.1	16.7	8.13	13.3	13.4	12.8			
90	2.60	3.93	5.21	6.27	2.02	8.39	9.24	9.35	6.55	6.22	5.88	4.76	0.50	3.84	3.67	2.81			
95	0.88	1.44	2.00	1.65	0.60	2.23	3.02	3.00	1.65	1.92	2.07	1.38	0.67	1.35	1.57	1.10			
100	0.94	1.22	1.27	0.86	0.80	0.79	1.35	1.29	0.71	1.13	1.23	0.81	0.86	0.88	1.08	1.07			
105	1.09	1.16	1.12	1.03	1.00	0.98	1.00	1.04	0.81	0.97	0.98	1.02	1.08	1.06	1.01	1.02			
110	1.25	1.26	1.23	1.22	1.21	1.19	1.15	1.14	0.96	1.04	1.15	1.25	1.30	1.27	1.22	1.10			
115	1.44	1.43	1.41	1.42	1.41	1.39	1.35	1.32	1.15	1.24	1.38	1.47	1.51	1.45	1.40	1.27			
120	1.64	1.63	1.56	1.62	1.61	1.60	1.56	1.53	1.35	1.46	1.60	1.69	1.72	1.64	1.58	1.50			
125	1.83	1.82	1.79	1.81	1.81	1.79	1.75	1.73	1.56	1.67	1.82	1.89	1.92	1.83	1.77	1.71			
130	2.04	2.02	2.00	2.00	2.00	1.99	1.96	1.94	1.75	1.87	2.01	2.08	2.10	2.01	1.95	1.89			
135	2.23	2.21	2.19	2.19	2.18	2.17	2.15	2.14	1.95	2.06	2.21	2.27	2.27	2.19	2.13	2.07			
140	2.41	2.38	2.36	2.35	2.34	2.34	2.32	2.33	2.15	2.26	2.39	2.44	2.44	2.36	2.31	2.26			
145	2.59	2.56	2.53	2.52	2.51	2.50	2.50	2.51	2.35	2.44	2.57	2.60	2.60	2.51	2.49	2.46			
150	2.74	2.72	2.69	2.67	2.65	2.65	2.65	2.67	2.54	2.60	2.73	2.74	2.74	2.67	2.64	2.63			
155	2.88	2.85	2.82	2.80	2.77	2.78	2.78	2.81	2.69	2.73	2.84	2.84	2.84	2.77	2.76	2.77			
160	2.99	2.96	2.93	2.90	2.88	2.88	2.88	2.92	2.84	2.83	2.94	2.93	2.92	2.88	2.86	2.88			
165	3.08	3.05	3.03	2.99	2.96	2.96	2.97	3.01	2.96	2.95	3.03	3.00	2.99	2.95	2.96	3.00			
170	3.13	3.10	3.09	3.05	3.02	3.02	3.03	3.09	3.08	3.05	3.11	3.07	3.05	3.03	3.04	3.08			
175	3.15	3.10	3.11	3.09	3.05	3.06	3.06	3.09	3.14	3.11	3.14	3.11	3.08	3.06	3.07	3.11			
180	3.15	3.12	3.15	3.10	3.07	3.07	3.07	3.09	3.15	3.12	3.15	3.11	3.08	3.07	3.07	3.10			

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