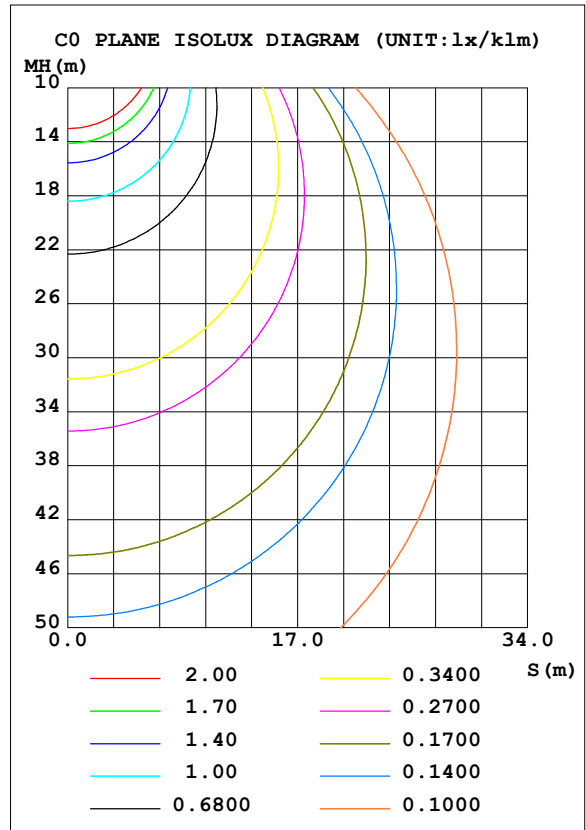
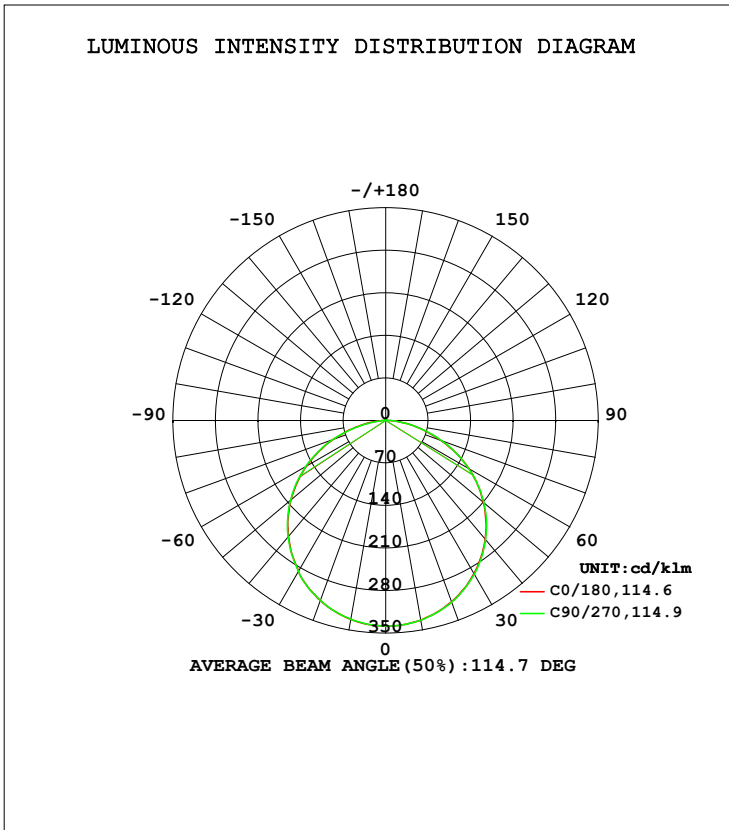


**LUMINAIRE PHOTOMETRIC TEST REPORT**

Test:U:24.00V I:0.4711A P:11.31W PF:1.000 Freq:0Hz Lamp Flux:731.119x1 lm		
NAME: UB-AT1-27K97C	TYPE:LED Strip	WEIGHT:0.01Kg
SPEC.:11.5W	DIM.: 1000*10*2(MM)	SERIAL No.:001
MFR.: Flexfire LEDs, Inc.	SUR.:1000*10(MM)	Shielding Angle:120

DATA OF LAMP		PHOTOMETRIC DATA Eff: 64.67 lm/W			
MODEL	SMD /LED	I <sub>max</sub> (cd/klm)	338.5	S/MH(C0/180)	1.26
NOMINAL POWER(W)	11.306	LOR(%)	100.0	S/MH(C90/270)	1.26
RATED VOLTAGE(V)	24	TOTAL FLUX(lm/klm)	1000.0	η UP, DN(C0-180)	0.6,50.0
NOMINAL FLUX(lm)	731.119	CIE CLASS	DIRECT	η UP, DN(C180-360)	0.5,48.9
LAMPS INSIDE	1	η up(%)	1.1	CIBSE SHR NOM	1.25
TEST VOLTAGE(V)	24	η down(%)	98.9	CIBSE SHR MAX	1.35



C Range: 0 - 360DEG C  
 Interval: 22.5DEG  
 Test Speed: HIGH  
 Temperature:25.0DEG  
 Test Date:2019-9-28

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]  
 Remarks:

**ZONAL FLUX DIAGRAM**

ZONAL FLUX DIAGRAM:

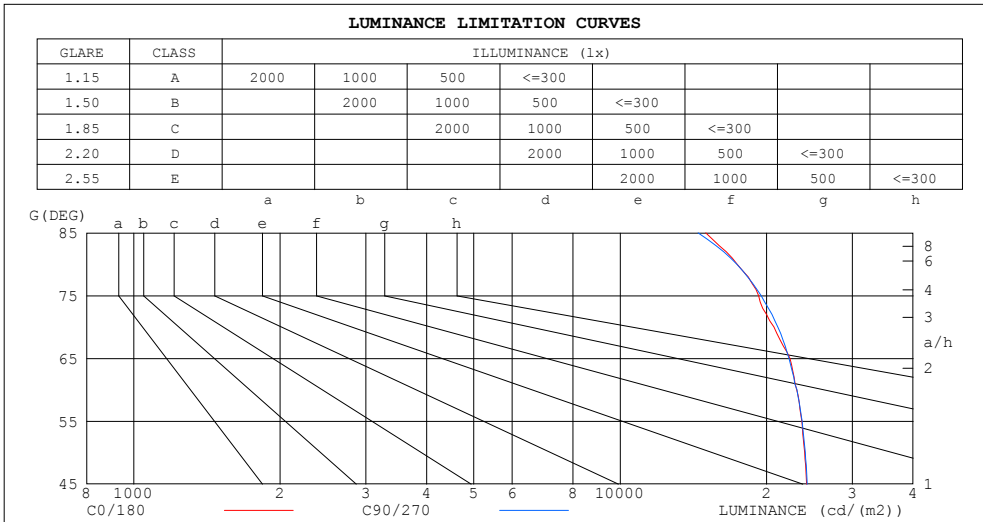
$\gamma$	C0	C45	C90	C135	C180	C225	C270	C315	$\gamma$	$\Phi$ zone	$\Phi$ total	%lum, lamp
10	333.5	333.9	333.5	332.6	332.3	331.7	332.0	333.0	0- 10	32.03	32.03	3.2,3.2
20	317.4	318.7	318.1	316.2	315.2	314.3	315.1	317.2	10- 20	92.04	124.1	12.4,12.4
30	291.0	293.0	292.1	288.9	287.0	286.1	287.2	290.9	20- 30	140.3	264.4	26.4,26.4
40	254.9	257.3	256.0	252.0	249.2	248.1	249.9	253.3	30- 40	170.2	434.5	43.5,43.5
50	210.1	212.9	211.0	206.4	203.5	202.5	204.7	208.9	40- 50	178.2	612.7	61.3,61.3
60	157.5	160.7	157.9	152.0	150.4	149.4	152.0	157.0	50- 60	162.6	775.3	77.5,77.5
70	96.70	102.1	98.68	93.45	91.96	91.05	93.23	99.45	60- 70	124.4	899.7	90,90
80	41.26	44.51	41.27	36.67	35.12	35.40	30.36	42.46	70- 80	70.43	970.1	97,97
90	3.146	4.455	1.342	2.548	1.616	2.585	0.4162	4.145	80- 90	19.12	989.2	98.9,98.9
100	0.7737	0.7554	0.8408	0.8374	0.6924	0.7319	0.7413	0.6368	90-100	1.268	990.5	99.1,99.1
110	1.107	1.142	1.295	1.268	1.017	1.138	1.152	1.005	100-110	0.9898	991.5	99.1,99.1
120	1.503	1.515	1.673	1.675	1.418	1.583	1.559	1.398	110-120	1.331	992.8	99.3,99.3
130	1.890	1.955	2.055	2.072	1.805	1.975	1.941	1.781	120-130	1.559	994.4	99.4,99.4
140	2.286	2.314	2.413	2.436	2.211	2.353	2.309	2.178	130-140	1.641	996.0	99.6,99.6
150	2.654	2.658	2.715	2.756	2.588	2.678	2.634	2.537	140-150	1.562	997.6	99.8,99.8
160	2.931	2.907	2.916	2.972	2.860	2.898	2.835	2.790	150-160	1.282	998.9	99.9,99.9
170	3.108	3.065	3.045	3.068	3.094	3.079	3.016	3.010	160-170	0.8407	999.7	100,100
180	3.141	3.122	3.064	3.101	3.141	3.122	3.074	3.087	170-180	0.2936	1000	100,100
DEG	LUMINOUS INTENSITY:cd/klm									UNIT:lm/klm		

C Range: 0 - 360DEG C  
Interval: 22.5DEG  
Test Speed: HIGH  
Temperature:25.0DEG  
Test Date:2019-9-28

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.362  
Humidity:65.0%  
Test Distance:7.000m [K=1.0000]  
Remarks:

**LUMINANCE LIMITATION CURVES**

Test:U:24.00V I:0.4711A P:11.31W PF:1.000 Freq:0Hz Lamp Flux:731.119x1 lm		
NAME: UB-AT1-27K97C	TYPE:LED Strip	WEIGHT:0.01Kg
SPEC.:11.5W	DIM.: 1000*10*2 (MM)	SERIAL No.:001
MFR.: Flexfire LEDs, Inc.	SUR.:1000*10 (MM)	Shielding Angle:120



LUMINANCE cd/(m2)		
G (DEG)	C0/180	C90/270
85	15002	14454
80	17399	17381
75	19247	19484
70	20700	21099
65	22327	22239
60	23069	23094
55	23614	23648
50	23934	24007
45	24165	24259

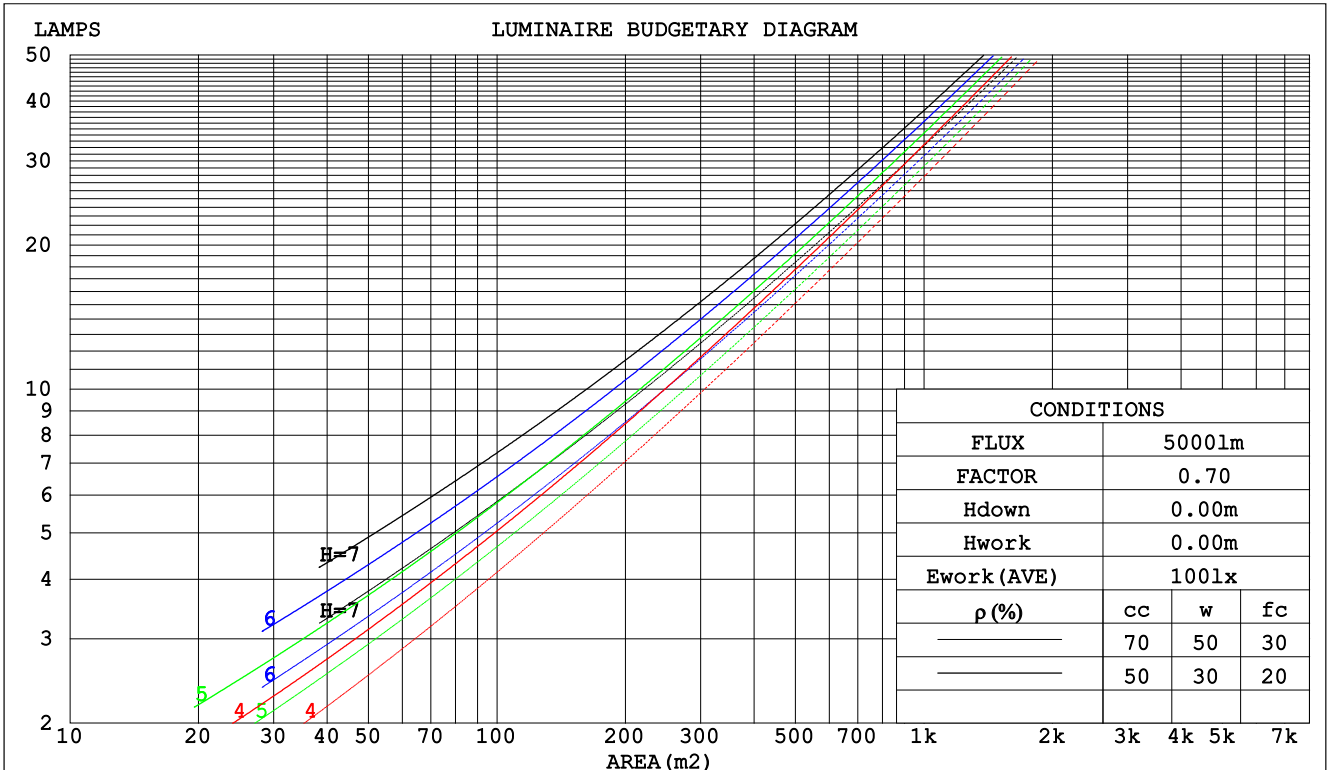
C Range: 0 - 360DEG C  
Interval: 22.5DEG  
Test Speed: HIGH  
Temperature:25.0DEG  
Test Date:2019-9-28

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.362  
Humidity:65.0%  
Test Distance:7.000m [K=1.0000]  
Remarks:

**CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM**

Test:U:24.00V I:0.4711A P:11.31W PF:1.000 Freq:0Hz Lamp Flux:731.119x1 lm		
NAME: UB-AT1-27K97C	TYPE:LED Strip	WEIGHT:0.01Kg
SPEC.:11.5W	DIM.: 1000*10*2 (MM)	SERIAL No.:001
MFR.: Flexfire LEDs, Inc.	SUR.:1000*10 (MM)	Shielding Angle:120

pcc	80%			70%			50%			30%			10%			0
pw	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
pfc	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio															
	Coefficients of Utilization(CU)															
0.0	1.19	1.19	1.19	1.16	1.16	1.16	1.11	1.11	1.11	1.06	1.06	1.06	1.01	1.01	1.01	.99
1.0	1.04	.99	.95	1.01	.97	.94	.97	.93	.90	.93	.90	.88	.89	.87	.85	.83
2.0	.90	.83	.77	.88	.82	.76	.84	.79	.74	.81	.76	.73	.78	.74	.71	.68
3.0	.79	.71	.64	.77	.70	.63	.74	.68	.62	.71	.66	.61	.68	.64	.60	.57
4.0	.70	.61	.54	.68	.60	.54	.66	.59	.53	.63	.57	.52	.61	.56	.51	.49
5.0	.62	.53	.46	.61	.53	.46	.59	.51	.46	.57	.50	.45	.55	.49	.44	.42
6.0	.56	.47	.40	.55	.46	.40	.53	.45	.40	.51	.45	.39	.50	.44	.39	.37
7.0	.51	.42	.36	.50	.41	.36	.48	.41	.35	.47	.40	.35	.45	.39	.34	.32
8.0	.46	.38	.32	.45	.37	.32	.44	.37	.31	.43	.36	.31	.41	.35	.31	.29
9.0	.42	.34	.29	.42	.34	.28	.41	.33	.28	.39	.33	.28	.38	.32	.28	.26
10.0	.39	.31	.26	.39	.31	.26	.37	.30	.26	.36	.30	.25	.35	.30	.25	.23



C Range: 0 - 360DEG C  
Interval: 22.5DEG  
Test Speed: HIGH  
Temperature:25.0DEG  
Test Date:2019-9-28

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]  
Remarks:

**WEC AND CCEC**

Test:U:24.00V I:0.4711A P:11.31W PF:1.000 Freq:0Hz Lamp Flux:731.119x1 lm		
NAME: UB-AT1-27K97C	TYPE:LED Strip	WEIGHT:0.01Kg
SPEC.:11.5W	DIM.: 1000*10*2(MM)	SERIAL No.:001
MFR.: Flexfire LEDs, Inc.	SUR.:1000*10(MM)	Shielding Angle:120

ρcc	80%			70%			50%			30%			10%			0
ρw	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
ρfc	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio						Wall Exitance Coefficients(WEC)									
0.0																
1.0	.311	.177	.056	.304	.173	.055	.290	.166	.053	.277	.160	.051	.266	.154	.050	
2.0	.293	.161	.049	.287	.158	.049	.274	.153	.047	.263	.148	.046	.252	.143	.045	
3.0	.271	.144	.043	.265	.142	.043	.254	.138	.042	.244	.134	.041	.235	.130	.040	
4.0	.250	.130	.038	.245	.128	.038	.235	.125	.037	.226	.122	.037	.218	.118	.036	
5.0	.231	.118	.034	.227	.116	.034	.218	.113	.033	.210	.111	.033	.202	.108	.033	
6.0	.214	.107	.031	.210	.106	.031	.203	.104	.030	.195	.102	.030	.189	.099	.029	
7.0	.199	.099	.028	.196	.098	.028	.189	.095	.028	.182	.094	.027	.176	.092	.027	
8.0	.186	.091	.026	.183	.090	.025	.177	.088	.025	.171	.087	.025	.165	.085	.025	
9.0	.174	.084	.024	.171	.084	.023	.166	.082	.023	.161	.081	.023	.156	.079	.023	
10.0	.164	.079	.022	.161	.078	.022	.156	.077	.022	.152	.075	.021	.147	.074	.021	

ρcc	80%			70%			50%			30%			10%			0
ρw	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
ρfc	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio						Ceiling Cavity Exitance Coefficients(CCEC)									
0.0	.199	.199	.199	.170	.170	.170	.116	.116	.116	.067	.067	.067	.021	.021	.021	
1.0	.189	.164	.143	.161	.141	.123	.110	.097	.085	.064	.056	.049	.020	.018	.016	
2.0	.181	.140	.106	.155	.121	.092	.106	.084	.064	.061	.049	.038	.020	.016	.012	
3.0	.173	.123	.083	.148	.106	.072	.102	.074	.050	.059	.043	.030	.019	.014	.010	
4.0	.165	.109	.067	.142	.095	.058	.098	.066	.041	.056	.039	.024	.018	.013	.008	
5.0	.158	.099	.055	.136	.086	.048	.094	.060	.034	.054	.035	.020	.017	.011	.007	
6.0	.151	.091	.048	.130	.079	.041	.090	.055	.029	.052	.032	.017	.017	.011	.006	
7.0	.144	.084	.042	.124	.073	.036	.086	.051	.026	.050	.030	.015	.016	.010	.005	
8.0	.138	.078	.037	.118	.068	.032	.082	.048	.023	.048	.028	.014	.015	.009	.005	
9.0	.132	.073	.034	.113	.063	.029	.079	.045	.021	.046	.026	.012	.015	.009	.004	
10.0	.126	.069	.031	.108	.060	.027	.075	.042	.019	.044	.025	.011	.014	.008	.004	

C Range: 0 - 360DEG C  
Interval: 22.5DEG  
Test Speed: HIGH  
Temperature:25.0DEG  
Test Date:2019-9-28

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]  
Remarks:

**UGR(Unified Glare Rating) Table**

Test:U:24.00V I:0.4711A P:11.31W PF:1.000 Freq:0Hz Lamp Flux:731.119x1 lm										
NAME: UB-AT1-27K97C					TYPE:LED Strip			WEIGHT:0.01Kg		
SPEC.:11.5W					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	25.0	26.6	25.3	26.8	27.0	25.1	26.6	25.3	26.8	27.0
3H	26.6	28.0	26.9	28.2	28.5	26.6	28.0	26.9	28.3	28.5
4H	27.2	28.5	27.5	28.8	29.1	27.2	28.6	27.6	28.8	29.1
6H	27.6	28.9	28.0	29.2	29.5	27.7	28.9	28.0	29.2	29.5
8H	27.8	29.0	28.1	29.3	29.6	27.8	29.0	28.1	29.3	29.6
12H	27.9	29.0	28.2	29.3	29.7	27.9	29.0	28.2	29.3	29.7
4H 2H	25.7	27.0	26.0	27.3	27.6	25.7	27.0	26.0	27.3	27.6
3H	27.4	28.6	27.8	28.9	29.2	27.4	28.6	27.8	28.9	29.2
4H	28.2	29.2	28.6	29.6	29.9	28.2	29.2	28.6	29.6	29.9
6H	28.7	29.7	29.2	30.1	30.5	28.7	29.7	29.2	30.1	30.5
8H	28.9	29.8	29.4	30.2	30.6	28.9	29.8	29.4	30.2	30.6
12H	29.1	29.9	29.5	30.3	30.7	29.1	29.9	29.5	30.3	30.7
8H 4H	28.5	29.3	28.9	29.7	30.1	28.5	29.4	28.9	29.7	30.1
6H	29.2	29.9	29.7	30.4	30.8	29.2	29.9	29.7	30.4	30.8
8H	29.5	30.1	30.0	30.6	31.1	29.5	30.1	30.0	30.6	31.0
12H	29.7	30.3	30.2	30.7	31.2	29.7	30.2	30.2	30.7	31.2
12H 4H	28.5	29.3	28.9	29.7	30.1	28.5	29.3	28.9	29.7	30.1
6H	29.3	29.9	29.7	30.4	30.8	29.3	29.9	29.7	30.4	30.8
8H	29.6	30.2	30.1	30.6	31.1	29.6	30.2	30.1	30.6	31.1
Variations with the observer position at spacings:										
S = 1.0H	+ 0.1 / - 0.2					+ 0.1 / - 0.2				
1.5H	+ 0.2 / - 0.3					+ 0.2 / - 0.3				
2.0H	+ 0.2 / - 0.4					+ 0.2 / - 0.3				

CIE Pub.117, 731.1 lm Total Lamp Luminous Flux Correct (8log(F/F0) = -1.1)

C Range: 0 - 360DEG C  
Interval: 22.5DEG  
Test Speed: HIGH  
Temperature:25.0DEG  
Test Date:2019-9-28

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]  
Remarks:

**UTILIZATION FACTORS TABLE**

Test:U:24.00V I:0.4711A P:11.31W PF:1.000 Freq:0Hz Lamp Flux:731.119x1 lm		
NAME: UB-AT1-27K97C	TYPE:LED Strip	WEIGHT:0.01Kg
SPEC.:11.5W	DIM.: 1000*10*2(MM)	SERIAL No.:001
MFR.: Flexfire LEDs, Inc.	SUR.:1000*10(MM)	Shielding Angle:120

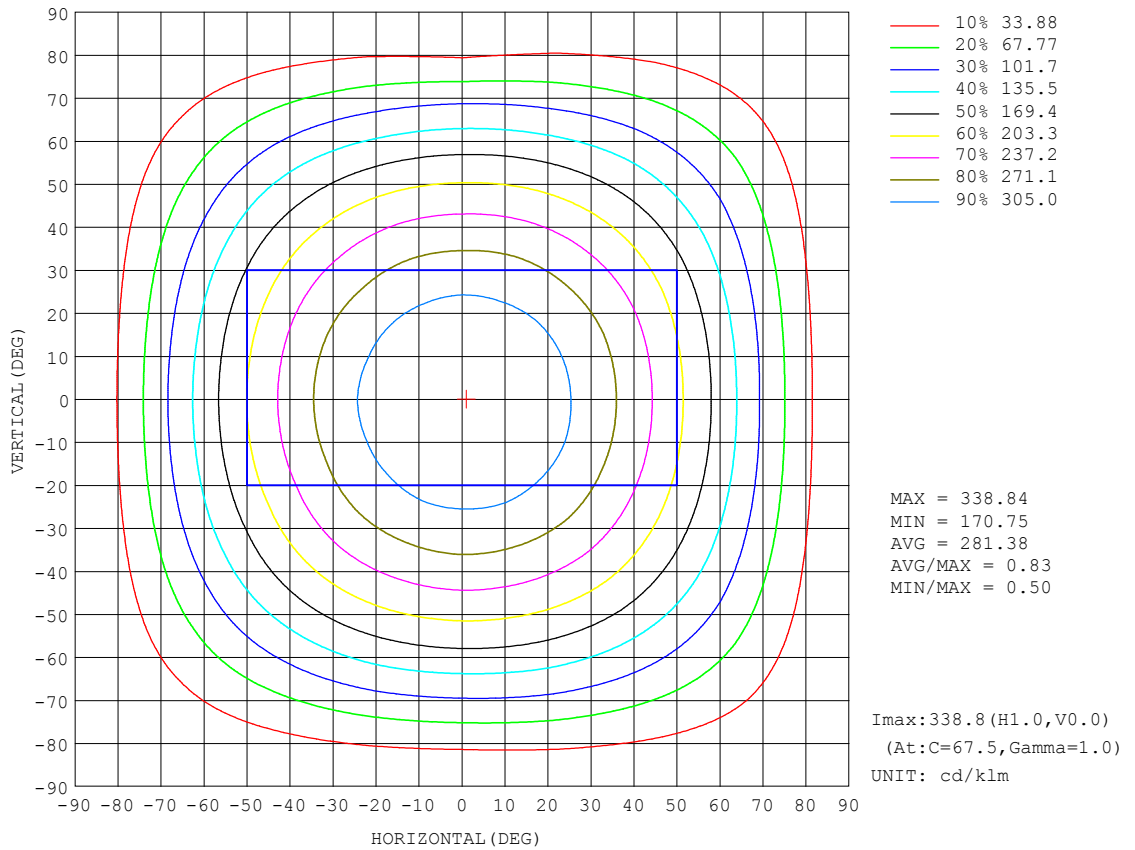
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS (PERCENT) $k(RI) \times RCR = 5$									
k = 0.60	57	45	38	56	45	38	55	44	38	31
0.80	67	55	48	66	55	48	64	54	47	40
1.00	75	64	57	74	63	56	72	65	56	49
1.25	82	72	65	81	71	64	78	70	63	56
1.50	87	77	70	86	77	70	83	75	69	61
2.00	94	86	79	92	84	78	89	82	77	69
2.50	98	90	84	96	89	83	92	86	81	73
3.00	102	95	89	100	93	88	95	90	86	77
4.00	106	100	95	103	98	94	99	95	91	82
5.00	108	103	99	106	101	98	101	98	94	85
ROOM INDEX	UF(total)									Direct
According to DIN EN 13032-2 2004			Suspended				SHRNOM = 1.25			

C Range: 0 - 360DEG  
 C Interval: 22.5DEG Test  
 Speed: HIGH  
 Temperature:25.0DEG  
 Test Date:2019-9-28

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
 Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.362  
 Humidity:65.0%  
 Test Distance:7.000m [K=1.0000]  
 Remarks:

**ISOCANDELA DIAGRAM**

Test:U:24.00V I:0.4711A P:11.31W PF:1.000 Freq:0Hz Lamp Flux:731.119x1 lm		
NAME: UB-AT1-27K97C	TYPE:LED Strip	WEIGHT:0.01Kg
SPEC.:11.5W	DIM.: 1000*10*2 (MM)	SERIAL No.:001
MFR.: Flexfire LEDs, Inc.	SUR.:1000*10 (MM)	Shielding Angle:120



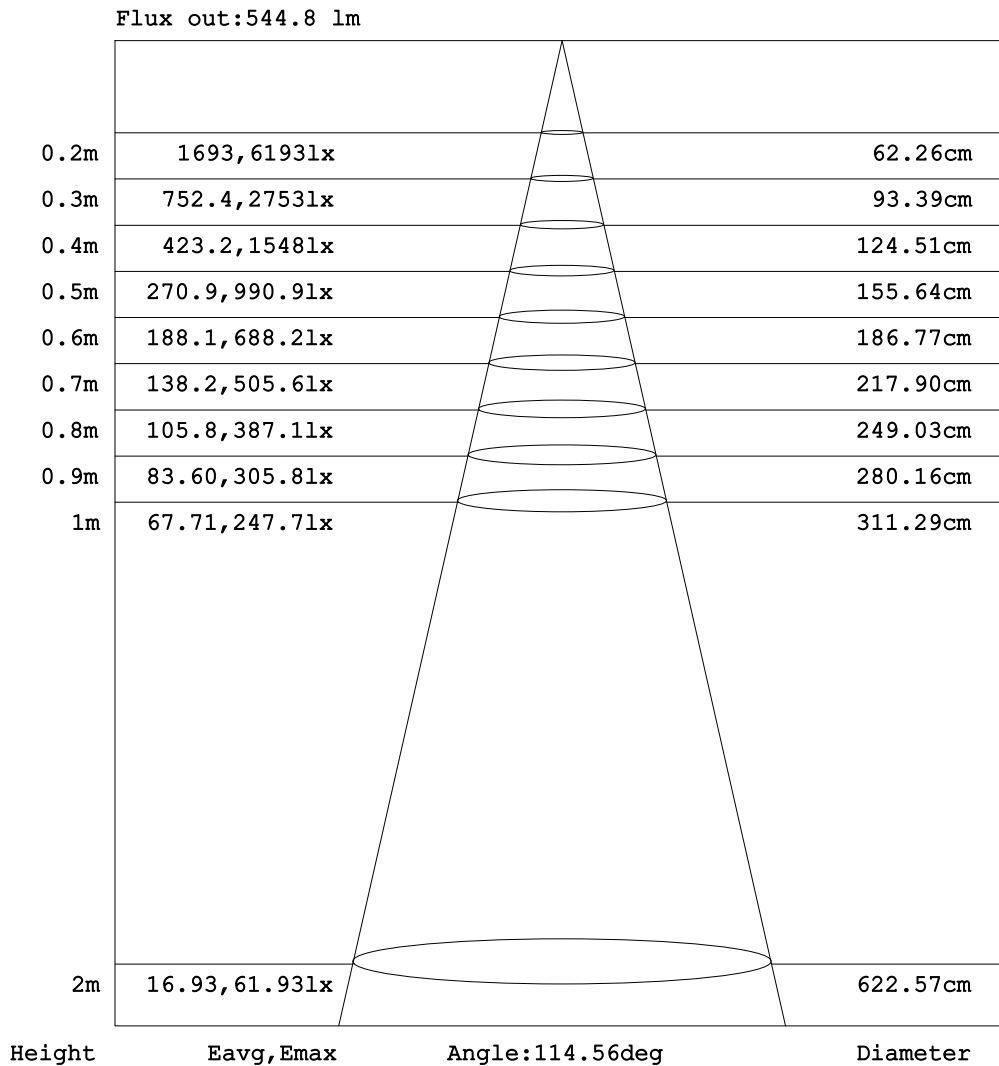
C Range: 0 - 360DEG C Interval:  
 22.5DEG  
 Test Speed: HIGH  
 Temperature:25.0DEG  
 Test Date:2019-9-28

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]  
 Remarks:



**AAI Figure**

Test:U:24.00V I:0.4711A P:11.31W PF:1.000 Freq:0Hz Lamp Flux:731.119x1 lm		
NAME: UB-AT1-27K97C	TYPE:LED Strip	WEIGHT:0.01Kg
SPEC.:11.5W	DIM.: 1000*10*2(MM)	SERIAL No.:001
MFR.: Flexfire LEDs, Inc.	SUR.:1000*10(MM)	Shielding Angle:120



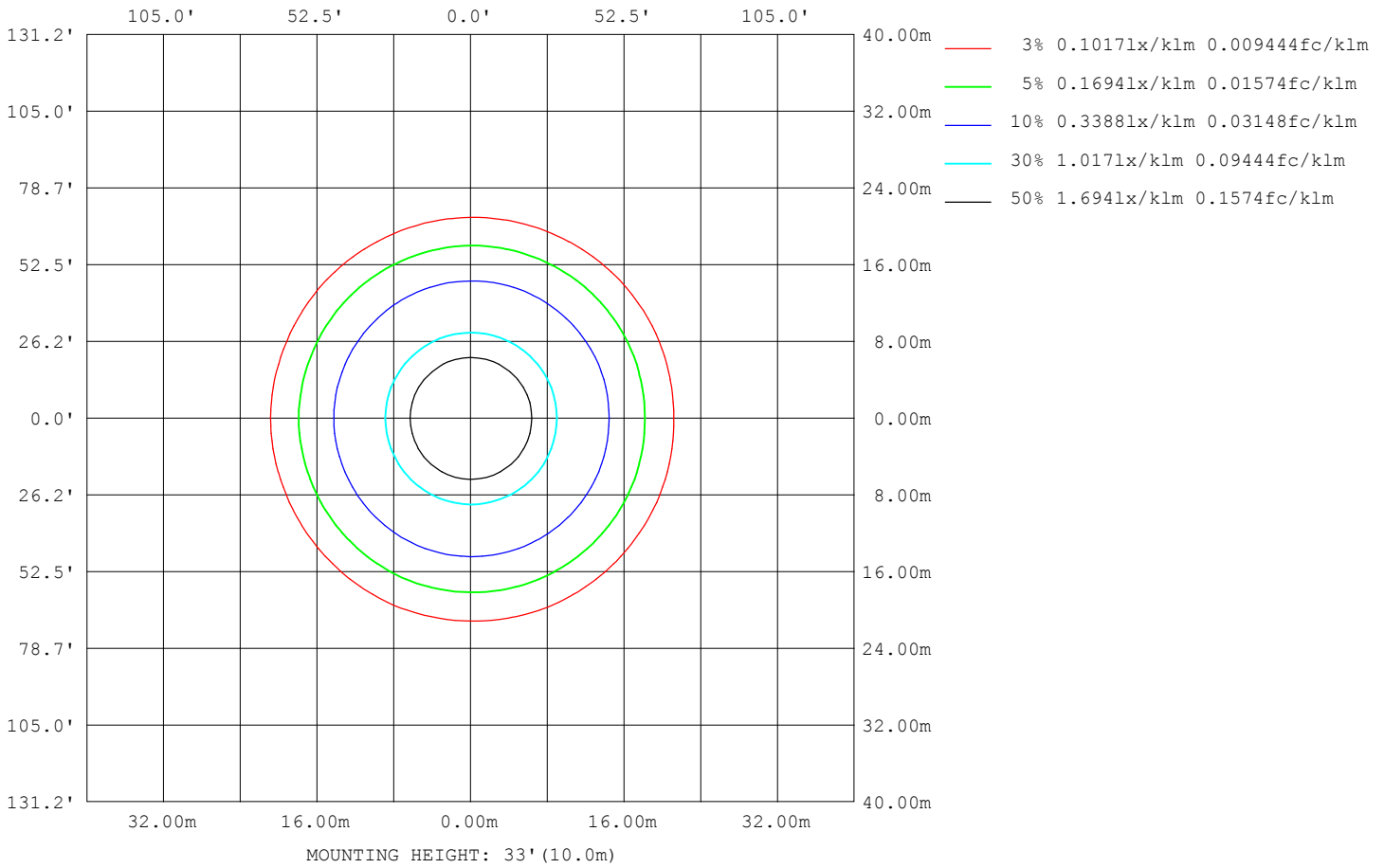
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG C  
Interval: 22.5DEG  
Test Speed: HIGH  
Temperature:25.0DEG  
Test Date:2019-9-28

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]  
Remarks:

**ISOLUX DIAGRAM**

Test:U:24.00V I:0.4711A P:11.31W PF:1.000 Freq:0Hz Lamp Flux:731.119x1 lm		
NAME: UB-AT1-27K97C	TYPE:LED Strip	WEIGHT:0.01Kg
SPEC.:11.5W	DIM.: 1000*10*2 (MM)	SERIAL No.:001
MFR.: Flexfire LEDs, Inc.	SUR.:1000*10 (MM)	Shielding Angle:120



C Range: 0 - 360DEG C  
Interval: 22.5DEG  
Test Speed: HIGH  
Temperature:25.0DEG  
Test Date:2019-9-28

γ Range: 0 - 180DEG  
Interval: 1.0DEG  
Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.362  
Humidity:65.0%  
Test Distance:7.000m [K=1.0000]  
Remarks:

**LED Avg.L Report**

Test:U:24.00V I:0.4711A P:11.31W PF:1.000 Freq:0Hz Lamp Flux:731.119x1 lm		
NAME: UB-AT1-27K97C	TYPE:LED Strip	WEIGHT:0.01Kg
SPEC.:11.5W	DIM.: 1000*10*2(MM)	SERIAL No.:001
MFR.: Flexfire LEDs, Inc.	SUR.:1000*10(MM)	Shielding Angle:120

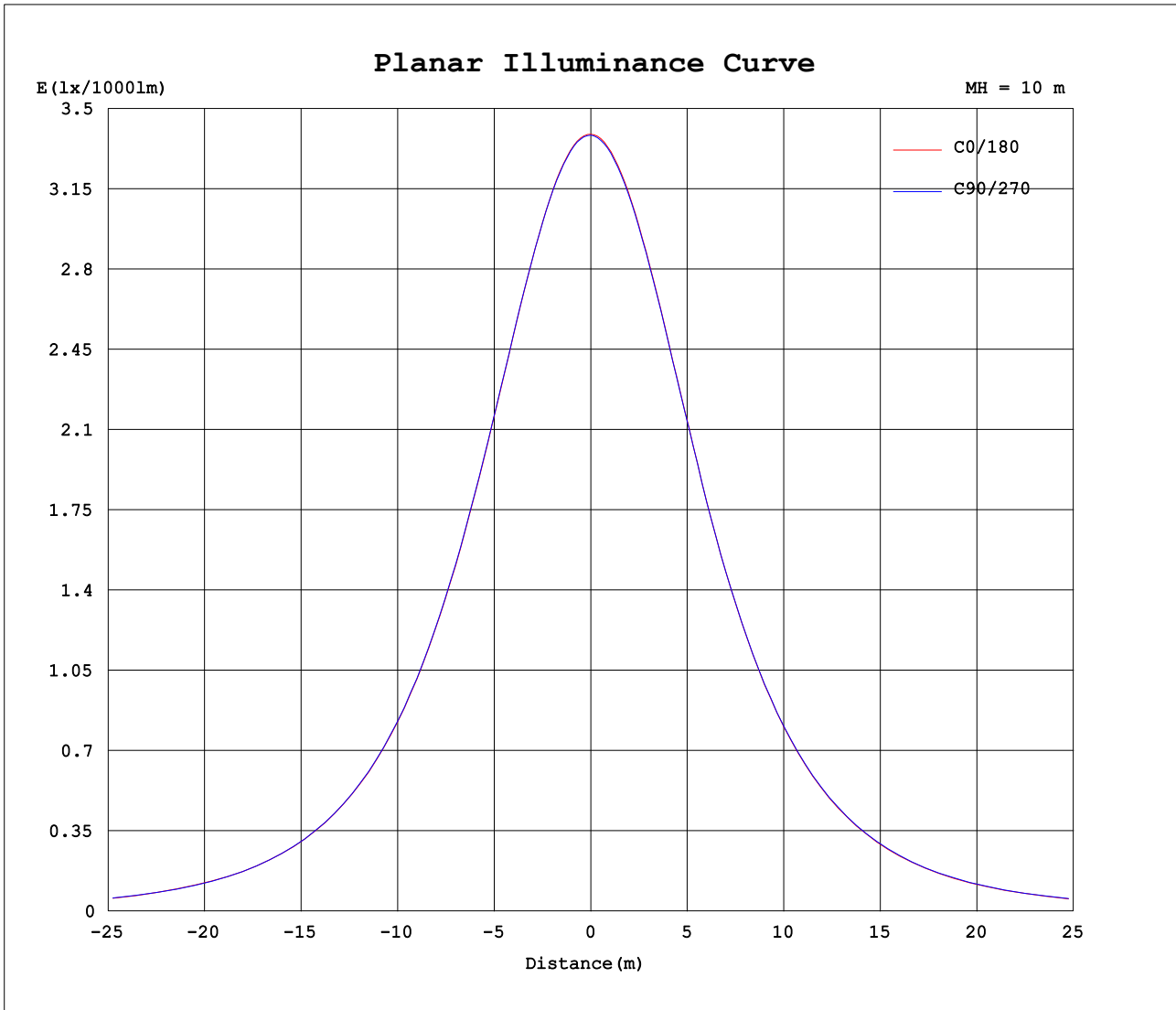
AvgL	cd/m2
L_0~180 (65) av	21666
L_0~180 (75) av	18460
L_0~180 (85) av	12674
L_90~270 (65) av	21787
L_90~270 (75) av	18213
L_90~270 (85) av	10446
L_45 (65) av	21800
L_45 (75) av	18956
L_45 (85) av	14426

Standard: GB/T 29293-2012

C Range: 0 - 360DEG C  
Interval: 22.5DEG  
Test Speed: HIGH  
Temperature:25.0DEG  
Test Date:2019-9-28

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]  
Remarks:

**Planar Illuminance Curve**



C Range: 0 - 360DEG C  
 Interval: 22.5DEG  
 Test Speed: HIGH  
 Temperature:25.0DEG  
 Test Date:2019-9-28

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
 Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.362  
 Humidity:65.0%  
 Test Distance:7.000m [K=1.0000]  
 Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:24.00V I:0.4711A P:11.31W PF:1.000 Freq:0Hz Lamp Flux:731.119x1 lm		
NAME: UB-AT1-27K97C	TYPE:LED Strip	WEIGHT:0.01Kg
SPEC.:11.5W	DIM.: 1000*10*2(MM)	SERIAL No.:001
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	338	338	338	338	338	338	338	338	338	338	338	338	338	338	338	338			
5	337	337	338	338	337	337	337	337	337	336	336	336	337	337	337	337			
10	334	334	334	334	334	333	333	332	332	332	332	332	332	332	333	333			
15	327	328	328	328	327	327	326	325	325	324	324	324	325	325	326	327			
20	317	319	319	319	318	318	316	315	315	314	314	314	315	316	317	317			
25	305	307	307	307	306	306	304	303	303	301	302	302	303	303	305	305			
30	291	293	293	294	292	292	289	287	287	286	286	287	287	289	291	291			
35	274	275	276	275	275	273	272	269	269	269	268	269	269	272	272	274			
40	255	256	257	257	256	254	252	249	249	249	248	249	250	252	253	255			
45	233	235	236	235	235	232	230	227	227	227	226	228	228	231	232	234			
50	210	212	213	212	211	209	206	203	203	203	202	204	205	207	209	211			
55	185	187	188	187	185	183	180	178	178	177	177	178	179	182	184	186			
60	158	160	161	160	158	156	152	150	150	149	149	150	152	154	157	159			
65	129	132	132	131	129	127	123	121	122	120	121	121	123	125	129	130			
70	96.7	102	102	102	98.7	97.1	93.5	91.3	92.0	90.3	91.0	91.5	93.2	96.0	99.5	101			
75	68.0	72.7	72.6	72.0	69.0	67.2	63.8	61.8	62.7	61.0	61.9	62.3	60.0	66.7	70.1	71.7			
80	41.3	44.7	44.5	44.2	41.3	39.9	36.7	34.6	35.1	34.0	35.4	35.7	30.4	39.6	42.5	42.1			
85	17.9	20.3	20.9	20.3	17.2	16.8	14.5	12.5	12.4	12.3	13.8	14.0	7.68	17.0	19.6	19.0			
90	3.15	4.17	4.46	4.31	1.34	2.93	2.55	1.99	1.62	2.03	2.59	2.29	0.42	3.18	4.14	4.02			
95	1.30	1.38	1.13	0.69	0.64	0.72	1.00	1.18	1.09	1.12	0.85	0.59	0.56	0.57	0.91	1.17			
100	0.77	0.75	0.76	0.84	0.84	0.89	0.84	0.84	0.69	0.68	0.73	0.72	0.74	0.67	0.64	0.61			
105	0.91	0.92	0.95	1.04	1.07	1.11	1.07	1.04	0.84	0.84	0.93	0.93	0.95	0.85	0.81	0.72			
110	1.11	1.13	1.14	1.25	1.29	1.33	1.27	1.25	1.02	1.07	1.14	1.16	1.15	1.06	1.01	0.90			
115	1.30	1.33	1.36	1.45	1.48	1.53	1.48	1.47	1.21	1.26	1.36	1.36	1.36	1.25	1.20	1.09			
120	1.50	1.53	1.52	1.65	1.67	1.73	1.67	1.68	1.42	1.46	1.58	1.56	1.56	1.44	1.40	1.32			
125	1.68	1.72	1.73	1.84	1.86	1.93	1.90	1.88	1.62	1.66	1.78	1.76	1.75	1.63	1.60	1.54			
130	1.89	1.93	1.95	2.03	2.05	2.12	2.07	2.07	1.81	1.85	1.98	1.96	1.94	1.82	1.78	1.75			
135	2.09	2.12	2.13	2.20	2.23	2.30	2.26	2.26	2.01	2.05	2.16	2.13	2.12	2.00	1.97	1.92			
140	2.29	2.32	2.31	2.38	2.41	2.48	2.44	2.46	2.21	2.23	2.35	2.32	2.31	2.20	2.18	2.15			
145	2.48	2.50	2.50	2.55	2.58	2.63	2.60	2.64	2.42	2.43	2.55	2.51	2.48	2.39	2.37	2.35			
150	2.65	2.67	2.66	2.70	2.71	2.77	2.76	2.80	2.59	2.58	2.68	2.65	2.63	2.54	2.54	2.53			
155	2.81	2.81	2.81	2.84	2.83	2.89	2.88	2.93	2.73	2.67	2.79	2.74	2.73	2.67	2.67	2.67			
160	2.93	2.92	2.91	2.93	2.92	2.97	2.97	3.01	2.86	2.80	2.90	2.84	2.83	2.77	2.79	2.81			
165	3.04	3.02	3.00	3.01	2.98	3.04	3.04	3.09	2.98	2.91	2.99	2.92	2.92	2.87	2.90	2.92			
170	3.11	3.08	3.06	3.06	3.04	3.07	3.07	3.14	3.09	3.00	3.08	3.01	3.02	2.99	3.01	3.04			
175	3.14	3.08	3.13	3.07	3.06	3.07	3.11	3.14	3.12	3.06	3.11	3.05	3.05	3.02	3.05	3.10			
180	3.14	3.08	3.12	3.08	3.06	3.07	3.10	3.13	3.14	3.07	3.12	3.09	3.07	3.06	3.09	3.13			

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