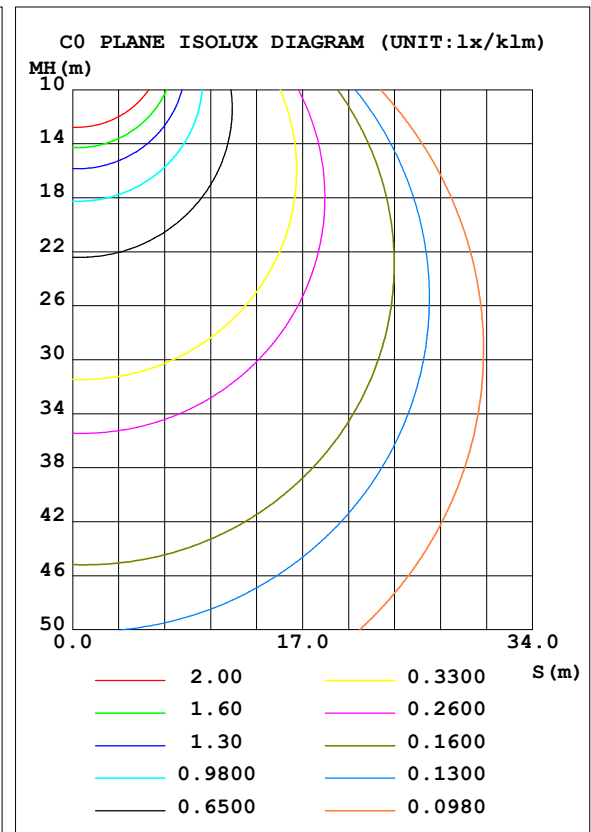
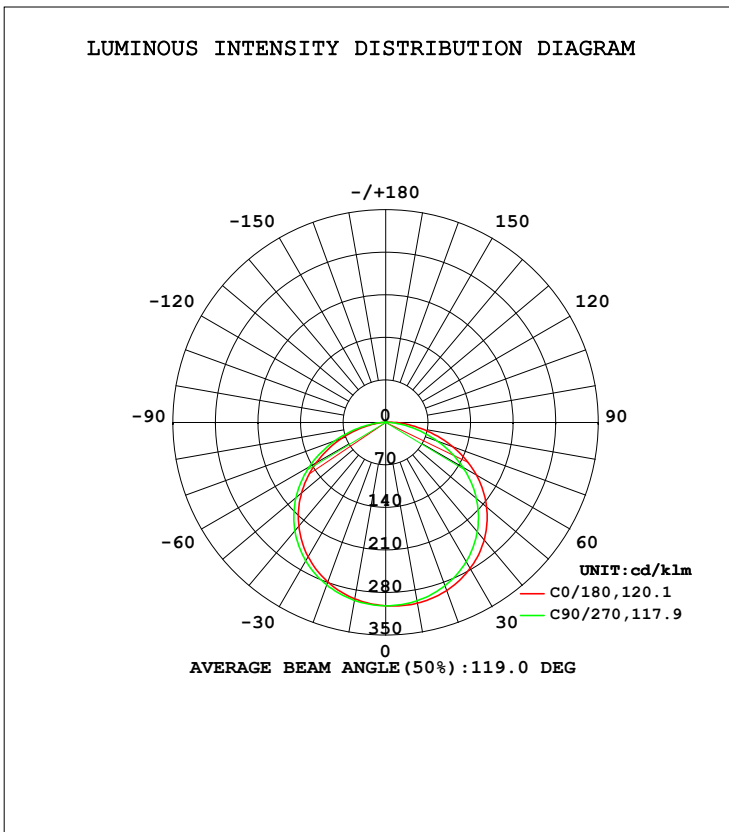


**LUMINAIRE PHOTOMETRIC TEST REPORT**

Test:U:24.000V I:0.8797A P:21.113W PF:1.0000 Freq:0Hz Lamp Flux:3503.8lx1 lm		
NAME: UB-IS-62K80C	TYPE:LED Strip	WEIGHT:Kg
SPEC.:21.6W	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: 165.96 lm/W			
MODEL	SMD /LED	I <sub>max</sub> (cd/klm)	329.4	S/MH(C0/180)	1.26
NOMINAL POWER(W)	21.113	LOR(%)	100.0	S/MH(C90/270)	1.30
RATED VOLTAGE(V)	24	TOTAL FLUX(lm/klm)	1000.0	η UP, DN(C0-180)	1.2,47.5
NOMINAL FLUX(lm)	3503.81	CIE CLASS	DIRECT	η UP, DN(C180-360)	2.0,49.3
LAMPS INSIDE	1	η up(%)	3.2	CIBSE SHR NOM	1.25
TEST VOLTAGE(V)	24	η down(%)	96.8	CIBSE SHR MAX	1.35



C Range: 0 - 360DEG  
 C Interval: 22.5DEG  
 Test Speed: HIGH  
 Temperature:25.0DEG  
 Test Date:2019-12-5

γ Range: 0 - 180DEG  
 γ Interval: 1.0DEG  
 Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.00.421  
 Humidity:65.0%  
 Test Distance:7.000m [K=1.0000]  
 Remarks:

**ZONAL FLUX DIAGRAM**

ZONAL FLUX DIAGRAM:

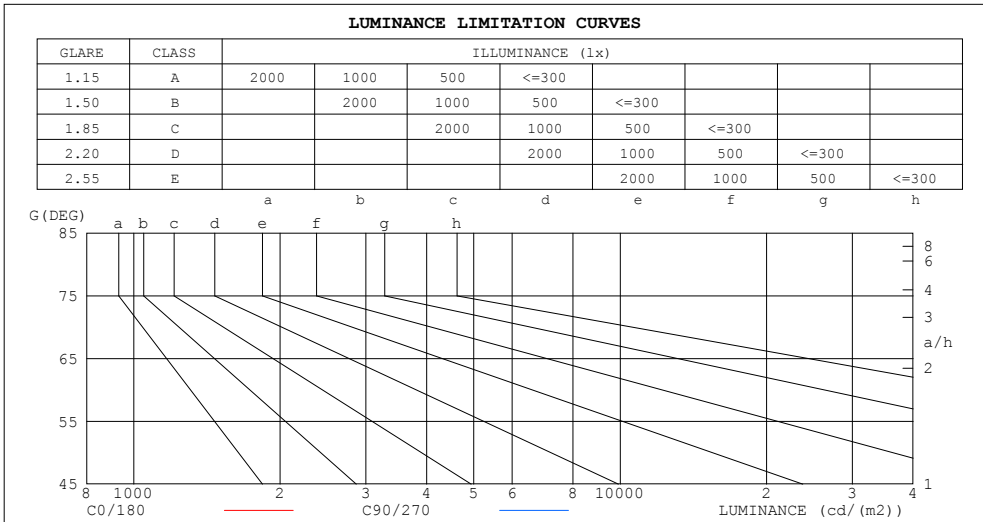
$\gamma$	C0	C45	C90	C135	C180	C225	C270	C315	$\gamma$	$\Phi$ zone	$\Phi$ total	%lum, lamp
10	301.9	301.5	297.8	275.0	294.7	295.3	297.2	319.4	0- 10	28.62	28.62	2.86,2.86
20	294.1	294.2	285.7	239.3	279.3	280.8	284.5	328.3	10- 20	82.77	111.4	11.1,11.1
30	277.7	285.2	264.8	194.8	255.4	257.7	263.2	328.3	20- 30	127.7	239.1	23.9,23.9
40	252.2	267.9	234.6	143.3	222.6	225.6	232.6	319.2	30- 40	157.7	396.8	39.7,39.7
50	217.1	242.4	195.1	92.49	180.9	184.3	193.0	300.6	40- 50	167.6	564.4	56.4,56.4
60	172.1	207.7	146.3	54.21	131.3	134.2	144.8	272.2	50- 60	157.7	722.1	72.2,72.2
70	118.1	164.0	91.28	24.20	77.75	79.53	89.24	232.1	60- 70	126.4	848.5	84.9,84.9
80	59.67	112.2	37.78	6.279	27.37	28.74	36.50	185.3	70- 80	81.21	929.7	93,93
90	16.22	56.18	3.124	1.854	1.679	2.561	1.812	131.3	80- 90	38.51	968.3	96.8,96.8
100	5.815	17.80	0.8777	2.242	0.9456	0.8924	1.009	71.50	90-100	15.15	983.4	98.3,98.3
110	2.025	1.737	1.098	2.532	1.191	1.281	1.331	14.73	100-110	6.039	989.4	98.9,98.9
120	1.448	0.9177	1.391	2.794	1.662	1.775	1.708	11.17	110-120	2.965	992.4	99.2,99.2
130	1.877	1.327	1.764	3.099	2.126	2.219	2.078	1.554	120-130	1.903	994.3	99.4,99.4
140	2.250	1.705	2.163	3.226	2.432	2.581	2.435	1.729	130-140	1.715	996.0	99.6,99.6
150	2.572	2.094	2.527	3.312	2.726	2.818	2.720	2.072	140-150	1.579	997.6	99.8,99.8
160	2.841	2.463	2.802	3.299	2.959	2.991	2.948	2.429	150-160	1.277	998.9	99.9,99.9
170	3.048	2.733	2.967	3.276	3.092	3.108	3.106	2.786	160-170	0.8342	999.7	100,100
180	3.012	2.744	2.792	2.887	3.009	2.996	2.877	2.875	170-180	0.2854	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:2019-12-5

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
 Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.00.421  
 Humidity:65.0%  
 Test Distance:7.000m [K=1.0000]  
 Remarks:

**LUMINANCE LIMITATION CURVES**

Test:U:24.000V I:0.8797A P:21.113W PF:1.0000 Freq:0Hz Lamp Flux:3503.81x1 lm		
NAME: UB-IS-62K80C	TYPE:LED Strip	WEIGHT:Kg
SPEC.:21.6W	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	148231	61277
80	130330	69207
75	130161	78006
70	130919	84897
65	131081	89788
60	130534	93082
55	129478	95254
50	128102	96528
45	126517	97162

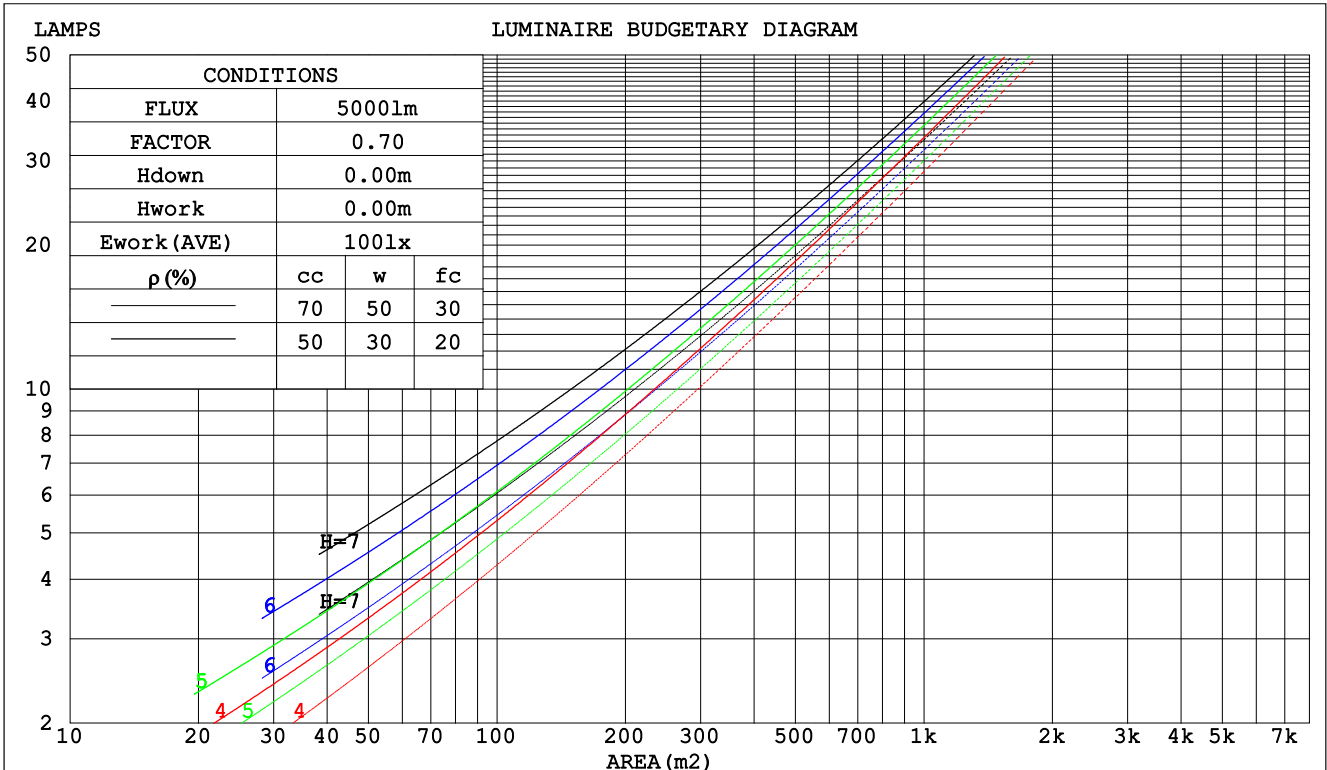
C Range: 0 - 360DEG  
 C Interval: 22.5DEG  
 Test Speed: HIGH  
 Temperature:25.0DEG  
 Test Date:2019-12-5

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
 Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.00.421  
 Humidity:65.0%  
 Test Distance:7.000m [K=1.0000]  
 Remarks:

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:24.000V I:0.8797A P:21.113W PF:1.0000 Freq:0Hz Lamp Flux:3503.81x1 lm		
NAME: UB-IS-62K80C	TYPE:LED Strip	WEIGHT:Kg
SPEC.:21.6W	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						Coefficients of Utilization(CU)									
0.0	1.18	1.18	1.18	1.15	1.15	1.15	1.09	1.09	1.09	1.04	1.04	1.04	.99	.99	.99	.97
1.0	1.02	.97	.93	.99	.95	.91	.94	.91	.87	.90	.87	.84	.85	.83	.81	.79
2.0	.88	.81	.74	.86	.79	.73	.82	.76	.71	.78	.73	.69	.74	.70	.67	.64
3.0	.77	.68	.61	.75	.67	.60	.71	.65	.59	.68	.62	.58	.65	.60	.56	.54
4.0	.68	.58	.51	.66	.58	.51	.63	.56	.50	.60	.54	.49	.58	.52	.48	.45
5.0	.60	.51	.44	.59	.50	.44	.56	.49	.43	.54	.47	.42	.52	.46	.41	.39
6.0	.54	.45	.38	.53	.44	.38	.51	.43	.37	.49	.42	.37	.47	.41	.36	.34
7.0	.49	.40	.34	.48	.39	.33	.46	.38	.33	.44	.37	.32	.43	.37	.32	.30
8.0	.45	.36	.30	.44	.35	.30	.42	.35	.29	.41	.34	.29	.39	.33	.28	.26
9.0	.41	.32	.27	.40	.32	.27	.39	.31	.26	.37	.31	.26	.36	.30	.26	.24
10.0	.38	.30	.24	.37	.29	.24	.36	.29	.24	.35	.28	.23	.33	.28	.23	.21



C Range: 0 - 360DEG  
 C Interval: 22.5DEG  
 Test Speed: HIGH  
 Temperature:25.0DEG  
 Test Date:2019-12-5

γ Range: 0 - 180DEG  
 γ Interval: 1.0DEG  
 Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.00.421  
 Humidity:65.0%  
 Test Distance:7.000m [K=1.0000]  
 Remarks:

**WEC AND CCEC**

Test:U:24.000V I:0.8797A P:21.113W PF:1.0000 Freq:0Hz Lamp Flux:3503.81x1 lm								
NAME: UB-IS-62K80C			TYPE:LED Strip			WEIGHT:Kg		
SPEC.:21.6W			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						Wall Exitance Coefficients(WEC)									
0.0																
1.0	.339	.193	.061	.331	.189	.060	.316	.181	.058	.302	.174	.056	.289	.167	.054	
2.0	.309	.170	.052	.302	.167	.051	.289	.161	.050	.276	.155	.049	.265	.150	.047	
3.0	.282	.150	.045	.276	.148	.044	.264	.143	.043	.253	.138	.042	.242	.134	.042	
4.0	.258	.134	.039	.252	.132	.039	.242	.128	.038	.232	.124	.038	.222	.121	.037	
5.0	.237	.121	.035	.232	.119	.035	.222	.116	.034	.213	.113	.034	.205	.110	.033	
6.0	.219	.110	.031	.214	.108	.031	.206	.105	.031	.198	.103	.030	.190	.100	.030	
7.0	.203	.100	.028	.199	.099	.028	.191	.097	.028	.184	.094	.027	.177	.092	.027	
8.0	.189	.092	.026	.185	.091	.026	.178	.089	.025	.172	.087	.025	.166	.085	.025	
9.0	.177	.086	.024	.173	.085	.024	.167	.083	.023	.161	.081	.023	.156	.079	.023	
10.0	.166	.080	.022	.163	.079	.022	.157	.077	.022	.152	.075	.021	.147	.074	.021	

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						Ceiling Cavity Exitance Coefficients(CCEC)									
0.0	.215	.215	.215	.183	.183	.183	.125	.125	.125	.072	.072	.072	.023	.023	.023	
1.0	.207	.180	.156	.177	.155	.135	.121	.106	.093	.070	.062	.054	.022	.020	.018	
2.0	.199	.156	.120	.171	.135	.104	.117	.093	.073	.067	.054	.043	.022	.018	.014	
3.0	.192	.139	.097	.164	.120	.084	.113	.083	.059	.065	.049	.035	.021	.016	.011	
4.0	.184	.126	.082	.158	.109	.071	.108	.076	.050	.063	.044	.030	.020	.014	.010	
5.0	.176	.116	.071	.151	.100	.062	.104	.070	.044	.060	.041	.026	.019	.013	.009	
6.0	.169	.107	.063	.145	.093	.055	.100	.065	.039	.058	.038	.023	.019	.013	.008	
7.0	.162	.101	.058	.139	.087	.050	.096	.061	.036	.056	.036	.021	.018	.012	.007	
8.0	.155	.095	.053	.134	.082	.046	.093	.058	.033	.054	.034	.020	.017	.011	.007	
9.0	.149	.090	.050	.129	.078	.044	.089	.055	.031	.052	.032	.018	.017	.011	.006	
10.0	.143	.086	.047	.124	.074	.041	.086	.052	.029	.050	.031	.018	.016	.010	.006	

C Range: 0 - 360DEG  
 C Interval: 22.5DEG  
 Test Speed: HIGH  
 Temperature:25.0DEG  
 Test Date:2019-12-5

γ Range: 0 - 180DEG  
 γ Interval: 1.0DEG  
 Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.00.421  
 Humidity:65.0%  
 Test Distance:7.000m [K=1.0000]  
 Remarks:

**UGR(Unified Glare Rating) Table**

Test:U:24.000V I:0.8797A P:21.113W PF:1.0000 Freq:0Hz Lamp Flux:3503.81x1 lm										
NAME: UB-IS-62K80C					TYPE:LED Strip			WEIGHT:Kg		
SPEC.:21.6W					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	30.4	31.9	30.7	32.2	32.5	30.0	31.5	30.3	31.8	32.1
3H	32.2	33.6	32.5	33.9	34.2	31.7	33.1	32.0	33.4	33.7
4H	32.9	34.3	33.3	34.6	34.9	32.3	33.6	32.7	34.0	34.3
6H	33.6	34.8	34.0	35.2	35.5	32.7	34.0	33.1	34.3	34.7
8H	33.8	35.0	34.2	35.4	35.8	32.9	34.1	33.3	34.5	34.8
12H	34.0	35.2	34.4	35.6	35.9	33.0	34.1	33.4	34.5	34.9
4H 2H	31.4	32.8	31.8	33.1	33.4	31.2	32.5	31.5	32.8	33.2
3H	33.4	34.5	33.8	34.9	35.3	33.2	34.4	33.6	34.7	35.1
4H	34.2	35.3	34.6	35.7	36.1	34.1	35.2	34.5	35.6	36.0
6H	34.9	35.9	35.4	36.3	36.7	34.8	35.8	35.3	36.2	36.6
8H	35.2	36.1	35.7	36.6	37.0	35.1	36.0	35.5	36.4	36.9
12H	35.5	36.3	36.0	36.8	37.2	35.2	36.1	35.7	36.5	37.0
8H 4H	35.0	35.9	35.4	36.3	36.7	34.9	35.8	35.4	36.2	36.7
6H	35.9	36.7	36.4	37.1	37.6	36.0	36.8	36.5	37.3	37.8
8H	36.3	37.0	36.8	37.4	38.0	36.5	37.2	37.0	37.7	38.2
12H	36.6	37.2	37.2	37.7	38.3	36.9	37.5	37.5	38.0	38.6
12H 4H	35.1	35.9	35.6	36.4	36.8	35.0	35.8	35.5	36.3	36.7
6H	36.2	36.9	36.7	37.4	37.9	36.3	37.0	36.8	37.5	38.0
8H	36.7	37.3	37.3	37.8	38.4	37.0	37.6	37.5	38.1	38.6
Variations with the observer position at spacings:										
S = 1.0H	+ 0.1 / - 0.1					+ 0.1 / - 0.2				
1.5H	+ 0.2 / - 0.3					+ 0.3 / - 0.4				
2.0H	+ 0.1 / - 0.4					+ 0.3 / - 0.7				

CIE Pub.117, 3504 lm Total Lamp Luminous Flux Corrected ( $8\log(F/F_0) = 4.4$ )  
 Area: 0.01 m<sup>2</sup>

C Range: 0 - 360DEG  
 C Interval: 22.5DEG  
 Test Speed: HIGH  
 Temperature:25.0DEG  
 Test Date:2019-12-5

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
 Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.00.421  
 Humidity:65.0%  
 Test Distance:7.000m [K=1.0000]  
 Remarks:

**UTILIZATION FACTORS TABLE**

Test:U:24.000V I:0.8797A P:21.113W PF:1.0000 Freq:0Hz Lamp Flux:3503.81x1 lm		
NAME: UB-IS-62K80C	TYPE:LED Strip	WEIGHT:Kg
SPEC.:21.6W	DIM.: 1000*10*2(MM)	SERIAL No.:001
MFR.: Flexfire LEDs, Inc.	SUR.:1000*10(MM)	Shielding Angle:120

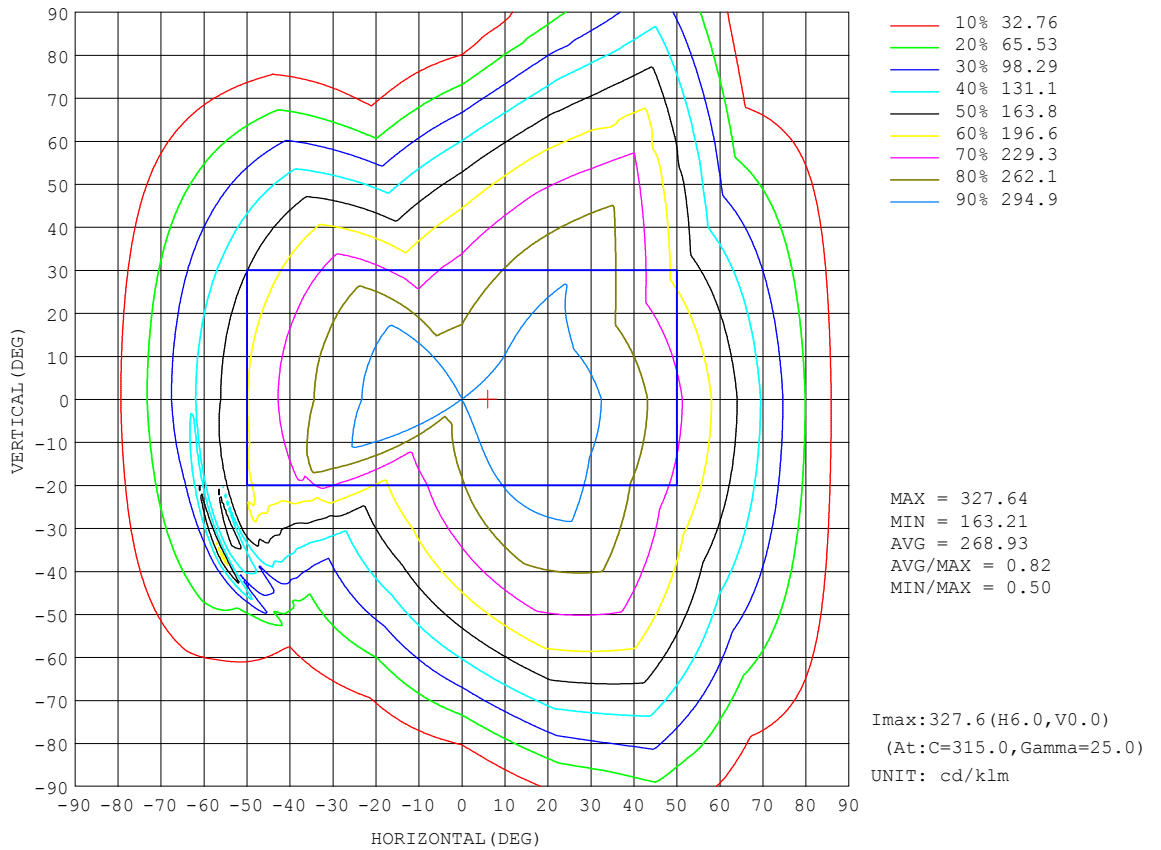
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS (PERCENT) $k(RI) \times RCR = 5$									
k = 0.60	55	43	35	54	42	35	52	42	35	29
0.80	64	52	45	63	52	44	61	51	44	37
1.00	73	61	53	71	60	53	69	62	52	45
1.25	80	69	61	78	68	60	75	66	60	52
1.50	85	74	67	83	73	66	80	71	65	57
2.00	92	83	75	90	81	75	86	79	73	64
2.50	96	87	81	94	86	80	89	83	78	68
3.00	100	92	86	97	90	85	93	87	82	73
4.00	104	97	92	101	95	91	96	92	88	78
5.00	106	101	96	104	99	95	99	95	91	81
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:2019-12-5

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
 Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.00.421  
 Humidity:65.0%  
 Test Distance:7.000m [K=1.0000]  
 Remarks:

**ISOCANDELA DIAGRAM**

Test:U:24.000V I:0.8797A P:21.113W PF:1.0000 Freq:0Hz Lamp Flux:3503.81x1 lm		
NAME: UB-IS-62K80C	TYPE:LED Strip	WEIGHT:Kg
SPEC.:21.6W	DIM.: 1000*10*2 (MM)	SERIAL No.:001
MFR.: Flexfire LEDs, Inc.	SUR.:1000*10 (MM)	Shielding Angle:120



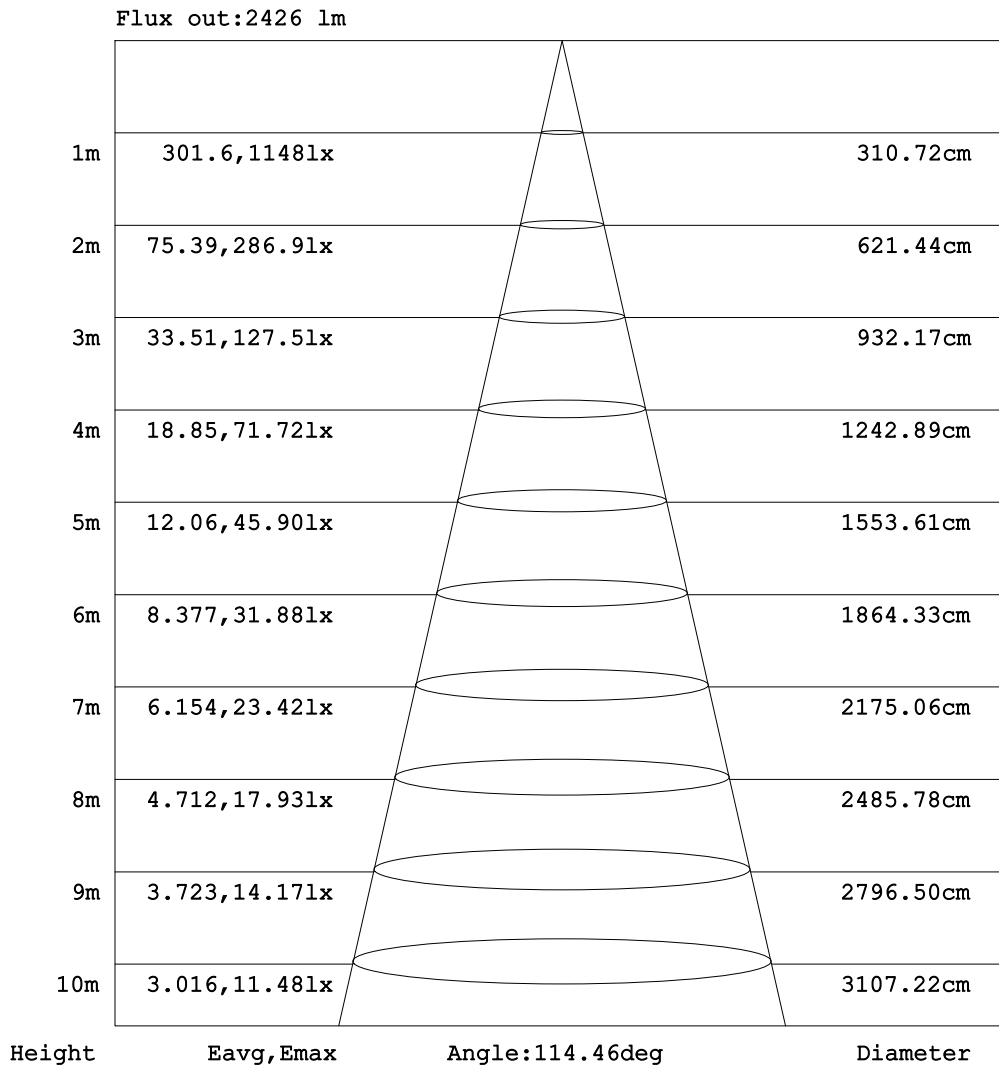
C Range: 0 - 360DEG  
 C Interval: 22.5DEG  
 Test Speed: HIGH  
 Temperature:25.0DEG  
 Test Date:2019-12-5

γ Range: 0 - 180DEG  
 γ Interval: 1.0DEG  
 Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.00.421  
 Humidity:65.0%  
 Test Distance:7.000m [K=1.0000]  
 Remarks:



**AAI Figure**

Test:U:24.000V I:0.8797A P:21.113W PF:1.0000 Freq:0Hz Lamp Flux:3503.81x1 lm		
NAME: UB-IS-62K80C	TYPE:LED Strip	WEIGHT:Kg
SPEC.:21.6W	DIM.: 1000*10*2 (MM)	SERIAL No.:001
MFR.: Flexfire LEDs, Inc.	SUR.:1000*10 (MM)	Shielding Angle:120



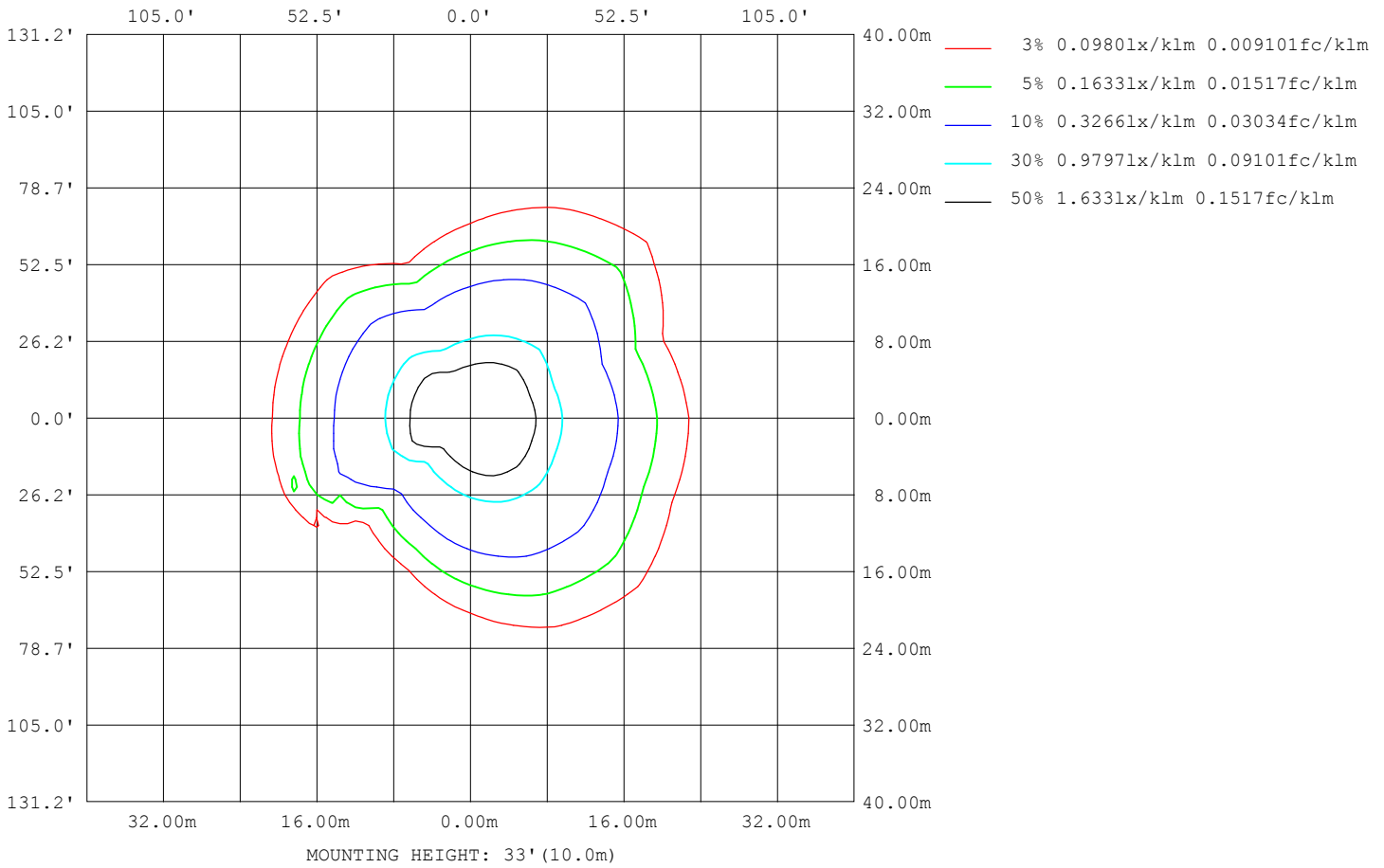
Note: The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG  
 C Interval: 22.5DEG  
 Test Speed: HIGH  
 Temperature: 25.0DEG  
 Test Date: 2019-12-5

γ Range: 0 - 180DEG  
 γ Interval: 1.0DEG  
 Test System: EVERFINE GO-2000B\_V1 SYSTEM V2.00.421  
 Humidity: 65.0%  
 Test Distance: 7.000m [K=1.0000]  
 Remarks:

**ISOLUX DIAGRAM**

Test:U:24.000V I:0.8797A P:21.113W PF:1.0000 Freq:0Hz Lamp Flux:3503.81x1 lm		
NAME: UB-IS-62K80C	TYPE:LED Strip	WEIGHT:Kg
SPEC.:21.6W	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:2019-12-5

γ Range: 0 - 180DEG  
 γ Interval: 1.0DEG  
 Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.00.421  
 Humidity:65.0%  
 Test Distance:7.000m [K=1.0000]  
 Remarks:

**LED Avg.L Report**

Test:U:24.000V I:0.8797A P:21.113W PF:1.0000 Freq:0Hz Lamp Flux:3503.81x1 lm		
NAME: UB-IS-62K80C	TYPE:LED Strip	WEIGHT:Kg
SPEC.:21.6W	DIM.: 1000*10*2(MM)	SERIAL No.:001
MFR.: Flexfire LEDs, Inc.	SUR.:1000*10(MM)	Shielding Angle:120

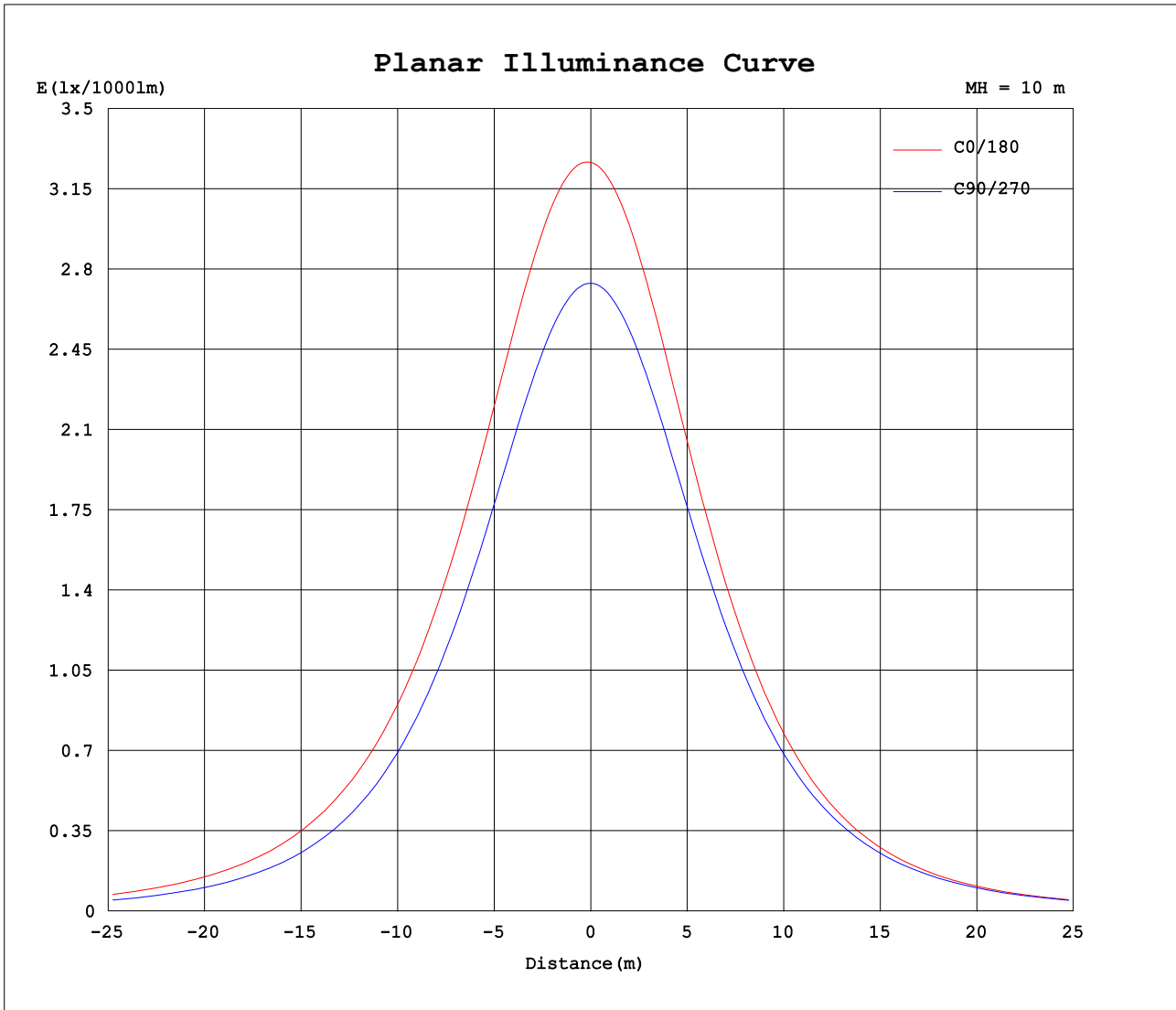
AvgL	cd/m2
L_0~180(65)av	103924
L_0~180(75)av	94804
L_0~180(85)av	87258
L_90~270(65)av	98092
L_90~270(75)av	84719
L_90~270(85)av	66211
L_45(65)av	121532
L_45(75)av	140736
L_45(85)av	258514

Standard: GB/T 29293-2012

C Range: 0 - 360DEG  
 C Interval: 22.5DEG  
 Test Speed: HIGH  
 Temperature:25.0DEG  
 Test Date:2019-12-5

γ Range: 0 - 180DEG  
 γ Interval: 1.0DEG  
 Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.00.421  
 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: 2019-12-5

γ Range: 0 - 180DEG  
 γ Interval: 1.0DEG  
 Test System: EVERFINE GO-2000B\_V1 SYSTEM V2.00.421  
 Humidity: 65.0%  
 Test Distance: 7.000m [K=1.0000]  
 Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:24.000V I:0.8797A P:21.113W PF:1.0000 Freq:0Hz Lamp Flux:3503.81x1 lm		
NAME: UB-IS-62K80C	TYPE:LED Strip	WEIGHT:Kg
SPEC.:21.6W	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	302	302	302	302	302	302	302	302	302	302	302	302	302	302	302	302			
5	303	303	302	306	301	295	290	301	299	299	299	295	300	307	312	301			
10	302	302	302	308	298	285	275	298	295	295	295	287	297	310	319	299			
15	299	299	299	308	293	274	258	293	288	288	289	276	292	311	325	294			
20	294	294	294	306	286	260	239	287	279	279	281	263	285	310	328	288			
25	287	287	291	302	276	245	218	278	268	268	270	248	275	306	329	279			
30	278	278	285	296	265	227	195	267	255	255	258	231	263	301	328	268			
35	266	266	278	287	251	206	170	254	240	240	243	211	249	293	325	254			
40	252	252	268	276	235	184	143	211	223	222	226	188	233	283	319	238			
45	236	236	256	262	216	160	117	201	203	203	206	164	214	271	311	220			
50	217	217	242	246	195	134	92.5	182	181	181	184	138	193	256	301	200			
55	196	195	226	227	172	108	71.9	170	157	157	160	110	170	239	288	177			
60	172	171	208	205	146	82.7	54.2	156	131	131	134	82.0	145	219	272	151			
65	146	145	187	182	119	59.5	38.2	91.6	105	104	107	55.5	117	196	254	123			
70	118	117	164	155	91.3	40.0	24.2	62.0	77.7	77.3	79.5	33.0	89.2	173	232	93.9			
75	88.8	87.7	139	127	63.5	23.7	13.6	36.4	51.2	51.0	52.8	16.7	61.7	147	211	64.2			
80	59.7	58.2	112	97.5	37.8	12.0	6.28	20.1	27.4	27.2	28.7	7.06	36.5	121	185	35.9			
85	34.1	32.5	85.0	68.3	16.8	4.70	2.78	7.85	9.35	9.44	10.9	2.51	16.2	93.5	159	13.9			
90	16.2	15.1	56.2	41.6	3.12	1.48	1.85	1.91	1.68	2.00	2.56	1.09	1.81	68.2	131	2.94			
95	8.80	7.67	32.6	20.0	0.77	1.32	2.01	1.34	0.89	0.97	1.03	1.16	0.85	36.4	105	1.04			
100	5.81	5.07	17.8	7.43	0.88	1.48	2.24	1.43	0.95	0.95	0.89	1.34	1.01	28.3	71.5	0.86			
105	3.50	3.03	7.56	2.50	0.98	1.59	2.39	1.57	1.01	1.03	1.07	1.53	1.17	15.1	47.7	0.90			
110	2.02	1.82	1.74	0.95	1.10	1.73	2.53	6.06	1.19	1.25	1.28	1.73	1.33	6.62	14.7	1.05			
115	1.38	1.30	0.85	0.91	1.24	1.89	2.65	4.16	1.42	1.48	1.52	1.95	1.51	2.33	23.8	1.28			
120	1.45	1.42	0.92	1.09	1.39	2.06	2.79	4.05	1.66	1.74	1.77	2.17	1.71	1.45	11.2	1.54			
125	1.68	1.66	1.13	1.28	1.58	2.26	2.95	2.71	1.98	1.97	2.01	2.37	1.90	1.49	3.75	1.76			
130	1.88	1.88	1.33	1.49	1.76	2.45	3.10	2.81	2.13	2.17	2.22	2.53	2.08	1.62	1.55	1.95			
135	2.07	2.07	1.51	1.70	1.95	2.58	3.17	2.86	2.27	2.45	2.41	2.69	2.26	1.81	1.62	2.14			
140	2.25	2.24	1.71	1.95	2.16	2.71	3.23	2.91	2.43	2.55	2.58	2.83	2.44	1.99	1.73	2.32			
145	2.42	2.41	1.90	2.20	2.36	2.84	3.28	2.93	2.58	2.65	2.73	2.94	2.59	2.17	1.88	2.48			
150	2.57	2.58	2.09	2.41	2.53	2.98	3.31	2.92	2.73	2.70	2.82	3.07	2.72	2.34	2.07	2.64			
155	2.71	2.71	2.28	2.58	2.68	3.08	3.31	2.89	2.84	2.82	2.90	3.14	2.83	2.49	2.25	2.75			
160	2.84	2.83	2.46	2.74	2.80	3.12	3.30	2.91	2.96	2.94	2.99	3.16	2.95	2.65	2.43	2.86			
165	2.96	2.96	2.61	2.88	2.90	3.15	3.29	2.88	3.02	3.01	3.06	3.18	3.04	2.79	2.61	2.94			
170	3.05	3.03	2.73	2.98	2.97	3.16	3.28	2.88	3.09	3.07	3.11	3.16	3.11	2.92	2.79	3.02			
175	3.07	3.04	2.78	3.02	2.99	3.15	3.18	2.73	3.02	3.00	3.02	2.94	2.91	2.81	2.77	2.97			
180	3.01	2.97	2.74	2.96	2.79	2.88	2.89	2.46	3.01	2.97	3.00	2.83	2.88	2.84	2.87	2.98			

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