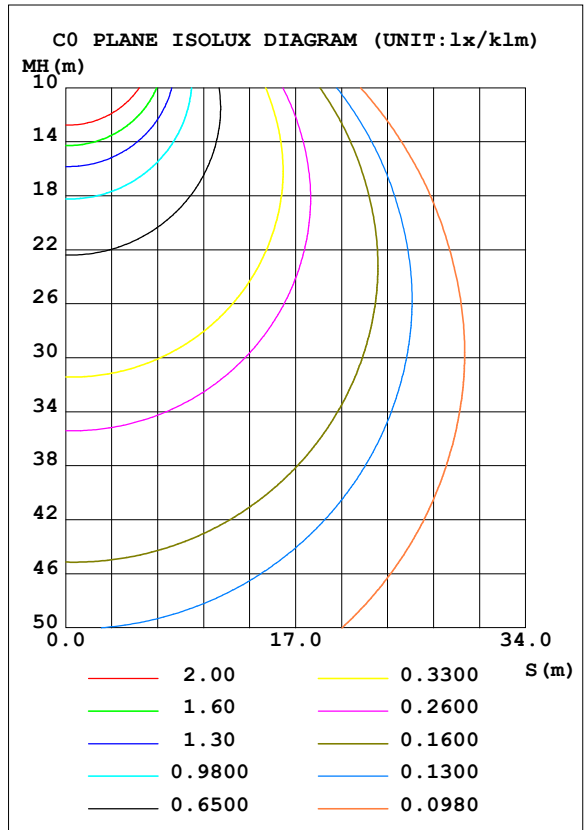
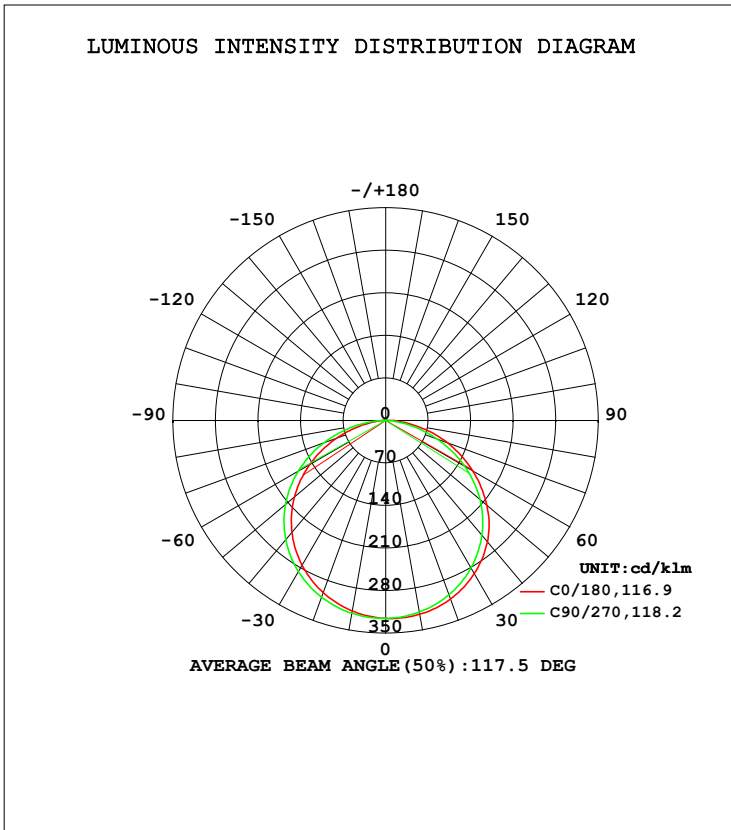


LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:24.000V I:0.8670A P:20.810W PF:1.0000 Freq:0Hz Lamp Flux:3187.19x1 lm		
NAME: UB-IS-50K90C	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: 153.16 lm/W			
MODEL	SMD /LED	I _{max} (cd/klm)	326.2	S/MH(C0/180)	1.26
NOMINAL POWER(W)	20.81	LOR(%)	100.0	S/MH(C90/270)	1.31
RATED VOLTAGE(V)	24	TOTAL FLUX(lm/klm)	1000.0	η UP, DN(C0-180)	0.6,48.6
NOMINAL FLUX(lm)	3187.19	CIE CLASS	DIRECT	η UP, DN(C180-360)	0.6,50.2
LAMPS INSIDE	1	η up(%)	1.2	CIBSE SHR NOM	1.50
TEST VOLTAGE(V)	24	η down(%)	98.8	CIBSE SHR MAX	1.50



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

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:

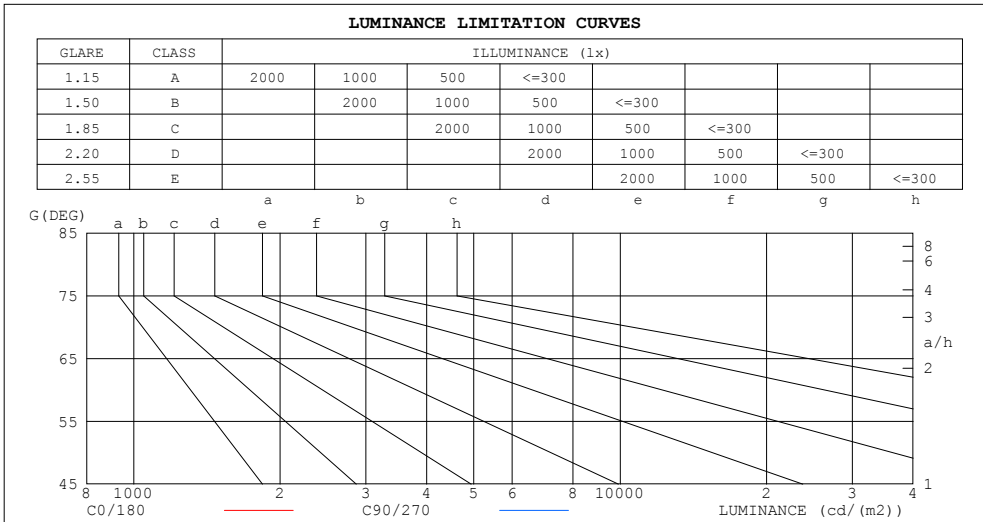
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum, lamp
10	323.8	322.4	320.1	318.2	318.3	319.7	322.1	324.0	0- 10	30.87	30.87	3.09,3.09
20	312.5	309.6	305.1	301.4	301.4	304.4	309.4	313.0	10- 20	89.04	119.9	12,12
30	291.4	287.2	280.6	275.3	275.4	280.0	287.4	292.5	20- 30	136.8	256.7	25.7,25.7
40	260.5	254.8	246.5	239.7	240.2	246.3	256.0	262.4	30- 40	167.9	424.6	42.5,42.5
50	217.4	212.6	202.7	195.2	196.1	203.6	215.3	222.8	40- 50	177.9	602.4	60.2,60.2
60	165.1	160.9	149.8	142.2	144.0	152.7	165.8	174.0	50- 60	164.1	766.5	76.7,76.7
70	108.7	101.6	90.27	83.51	86.04	95.06	108.6	117.0	60- 70	127.1	893.7	89.4,89.4
80	49.69	41.70	32.77	28.35	30.54	37.88	48.25	56.41	70- 80	72.96	966.6	96.7,96.7
90	7.602	4.695	0.5918	1.998	1.850	3.829	0.4478	10.54	80- 90	21.09	987.7	98.8,98.8
100	0.9603	0.9455	0.9482	1.035	1.037	0.8302	0.7627	0.8764	90-100	1.894	989.6	99,99
110	1.189	1.190	1.378	1.468	1.232	1.213	1.172	1.035	100-110	1.108	990.7	99.1,99.1
120	1.593	1.544	1.785	1.889	1.594	1.686	1.589	1.422	110-120	1.424	992.1	99.2,99.2
130	2.036	2.018	2.180	2.298	2.120	2.209	2.066	1.906	120-130	1.673	993.8	99.4,99.4
140	2.593	2.521	2.634	2.766	2.630	2.667	2.520	2.398	130-140	1.819	995.6	99.6,99.6
150	3.044	2.920	2.978	3.116	2.965	2.944	2.821	2.736	140-150	1.742	997.4	99.7,99.7
160	3.296	3.172	3.167	3.283	3.199	3.147	3.016	2.983	150-160	1.409	998.8	99.9,99.9
170	3.426	3.324	3.263	3.358	3.322	3.274	3.145	3.153	160-170	0.9136	999.7	100,100
180	3.262	3.215	3.151	3.185	3.269	3.215	3.152	3.182	170-180	0.3097	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:2019-12-12

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:

LUMINANCE LIMITATION CURVES

Test:U:24.000V I:0.8670A P:20.810W PF:1.0000 Freq:0Hz Lamp Flux:3187.19x1 lm		
NAME: UB-IS-50K90C	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	89460	43147
80	91276	60146
75	97636	74094
70	101349	84112
65	103520	90969
60	105308	95481
55	106772	98520
50	107898	100490
45	108687	101738

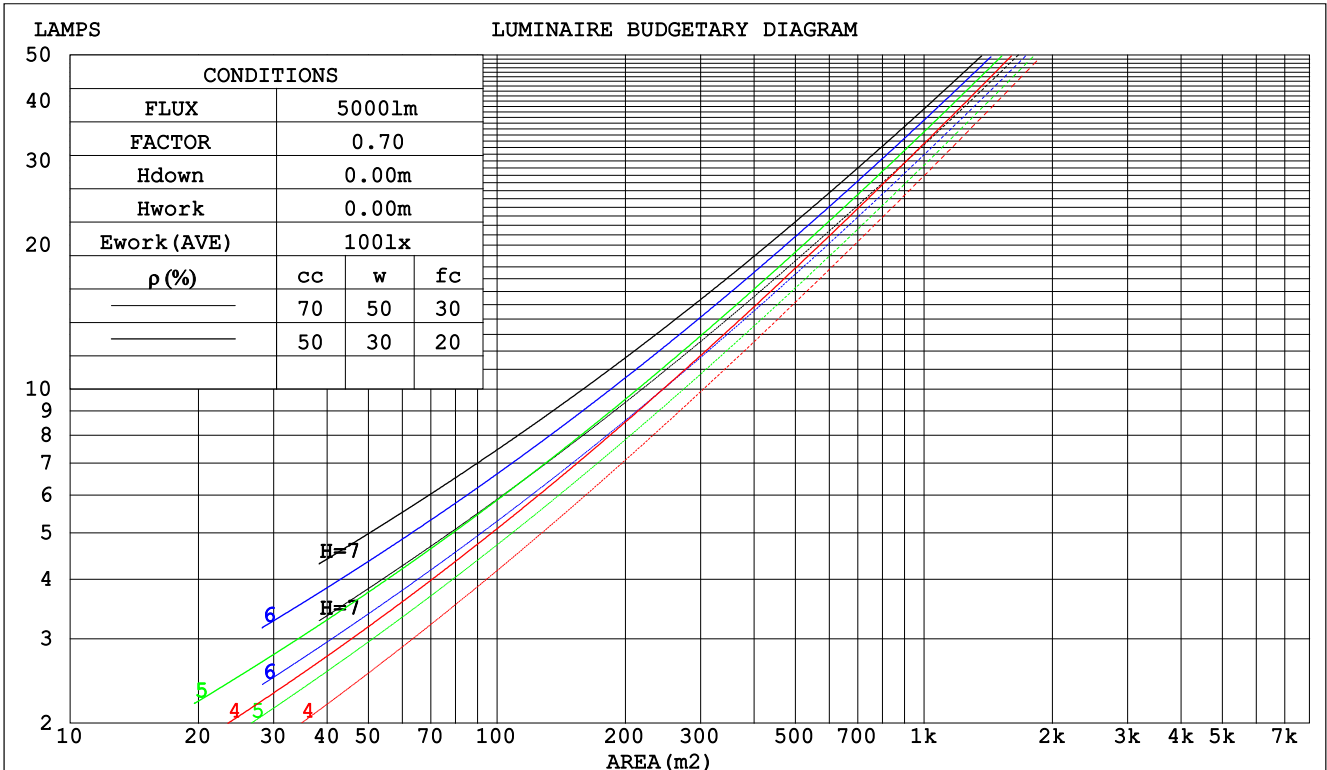
C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:25.0DEG
 Test Date:2019-12-12

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:

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:24.000V I:0.8670A P:20.810W PF:1.0000 Freq:0Hz Lamp Flux:3187.19x1 lm		
NAME: UB-IS-50K90C	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		
	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0		
pw	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	1.10	1.10	1.10	1.05	1.05	1.05	1.01	1.01	1.01	.99		
1.0	1.03	.99	.95	1.01	.97	.93	.96	.93	.90	.92	.90	.87	.88	.86	.84	.82		
2.0	.90	.83	.77	.88	.81	.76	.84	.78	.74	.80	.76	.72	.77	.73	.70	.68		
3.0	.78	.70	.63	.77	.69	.63	.74	.67	.62	.71	.65	.60	.68	.63	.59	.57		
4.0	.69	.60	.54	.68	.60	.53	.65	.58	.52	.63	.56	.51	.60	.55	.50	.48		
5.0	.62	.53	.46	.61	.52	.46	.58	.51	.45	.56	.50	.44	.54	.48	.44	.42		
6.0	.55	.46	.40	.54	.46	.40	.53	.45	.39	.51	.44	.39	.49	.43	.38	.36		
7.0	.50	.41	.35	.49	.41	.35	.48	.40	.35	.46	.39	.34	.45	.39	.34	.32		
8.0	.46	.37	.31	.45	.37	.31	.44	.36	.31	.42	.35	.31	.41	.35	.30	.28		
9.0	.42	.34	.28	.41	.33	.28	.40	.33	.28	.39	.32	.27	.38	.32	.27	.25		
10.0	.39	.31	.25	.38	.30	.25	.37	.30	.25	.36	.29	.25	.35	.29	.25	.23		



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

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:0.8670A P:20.810W PF:1.0000 Freq:0Hz Lamp Flux:3187.19x1 lm								
NAME: UB-IS-50K90C			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	.316	.180	.057	.309	.176	.056	.295	.169	.054	.282	.163	.052	.270	.156	.050	
2.0	.297	.163	.050	.290	.160	.049	.278	.154	.048	.266	.149	.047	.256	.145	.046	
3.0	.274	.146	.044	.268	.144	.043	.257	.139	.042	.247	.135	.041	.237	.131	.041	
4.0	.252	.131	.039	.247	.129	.038	.237	.126	.038	.228	.123	.037	.220	.119	.036	
5.0	.233	.119	.034	.228	.117	.034	.220	.114	.034	.212	.112	.033	.204	.109	.033	
6.0	.216	.108	.031	.212	.107	.031	.204	.105	.030	.197	.102	.030	.190	.100	.030	
7.0	.201	.099	.028	.197	.098	.028	.190	.096	.028	.183	.094	.027	.177	.092	.027	
8.0	.187	.091	.026	.184	.091	.026	.178	.089	.025	.172	.087	.025	.166	.085	.025	
9.0	.175	.085	.024	.172	.084	.024	.167	.082	.023	.161	.081	.023	.156	.079	.023	
10.0	.165	.079	.022	.162	.078	.022	.157	.077	.022	.152	.076	.021	.148	.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	.200	.200	.200	.171	.171	.171	.117	.117	.117	.067	.067	.067	.021	.021	.021	
1.0	.190	.166	.143	.163	.142	.123	.111	.098	.085	.064	.057	.050	.021	.018	.016	
2.0	.182	.141	.107	.156	.122	.092	.107	.084	.064	.062	.049	.038	.020	.016	.012	
3.0	.175	.124	.083	.150	.107	.072	.103	.074	.051	.059	.043	.030	.019	.014	.010	
4.0	.167	.111	.067	.143	.096	.059	.099	.067	.041	.057	.039	.024	.018	.013	.008	
5.0	.160	.100	.056	.137	.087	.049	.095	.061	.035	.055	.036	.021	.018	.012	.007	
6.0	.153	.092	.048	.131	.080	.042	.091	.056	.030	.053	.033	.018	.017	.011	.006	
7.0	.146	.085	.043	.125	.074	.037	.087	.052	.026	.050	.030	.016	.016	.010	.005	
8.0	.139	.079	.038	.120	.069	.033	.083	.048	.024	.048	.029	.014	.016	.009	.005	
9.0	.133	.074	.035	.115	.065	.030	.079	.045	.022	.046	.027	.013	.015	.009	.004	
10.0	.127	.070	.032	.110	.061	.028	.076	.043	.020	.044	.025	.012	.014	.008	.004	

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

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:0.8670A P:20.810W PF:1.0000 Freq:0Hz Lamp Flux:3187.19x1 lm										
NAME: UB-IS-50K90C					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	29.3	30.8	29.6	31.0	31.3	28.9	30.4	29.2	30.6	30.9
3H	31.0	32.4	31.3	32.6	32.9	30.3	31.8	30.7	32.0	32.3
4H	31.7	33.0	32.0	33.3	33.6	30.9	32.2	31.2	32.5	32.8
6H	32.2	33.4	32.5	33.7	34.0	31.2	32.5	31.5	32.7	33.1
8H	32.4	33.6	32.7	33.9	34.2	31.3	32.5	31.6	32.8	33.1
12H	32.5	33.7	32.9	34.0	34.3	31.3	32.5	31.7	32.8	33.1
4H 2H	29.9	31.2	30.2	31.5	31.8	29.6	30.9	29.9	31.2	31.5
3H	31.7	32.9	32.1	33.2	33.6	31.2	32.4	31.6	32.7	33.0
4H	32.6	33.6	33.0	34.0	34.3	31.9	32.9	32.3	33.3	33.6
6H	33.2	34.2	33.6	34.5	34.9	32.3	33.2	32.7	33.6	34.0
8H	33.5	34.3	33.9	34.7	35.1	32.4	33.3	32.8	33.7	34.1
12H	33.6	34.5	34.1	34.9	35.3	32.5	33.3	32.9	33.7	34.1
8H 4H	32.8	33.7	33.2	34.1	34.5	32.2	33.1	32.6	33.5	33.9
6H	33.6	34.3	34.1	34.8	35.2	32.7	33.5	33.2	33.9	34.4
8H	33.9	34.6	34.4	35.0	35.5	32.9	33.6	33.4	34.0	34.5
12H	34.2	34.8	34.7	35.2	35.7	33.1	33.6	33.6	34.1	34.6
12H 4H	32.8	33.6	33.2	34.0	34.5	32.2	33.0	32.6	33.4	33.9
6H	33.6	34.3	34.1	34.7	35.2	32.8	33.5	33.3	33.9	34.4
8H	34.0	34.6	34.5	35.0	35.5	33.0	33.6	33.5	34.1	34.6
Variations with the observer position at spacings:										
S = 1.0H	+ 0.1 / - 0.2					+ 0.2 / - 0.2				
1.5H	+ 0.2 / - 0.3					+ 0.2 / - 0.4				
2.0H	+ 0.2 / - 0.3					+ 0.2 / - 0.4				

CIE Pub.117, 3187 lm Total Lamp Luminous Flux Corrected (8log(F/F0) = 4.0)
 Area: 0.01 m2

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

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:

UTILIZATION FACTORS TABLE

Test:U:24.000V I:0.8670A P:20.810W PF:1.0000 Freq:0Hz Lamp Flux:3187.19x1 lm		
NAME: UB-IS-50K90C	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

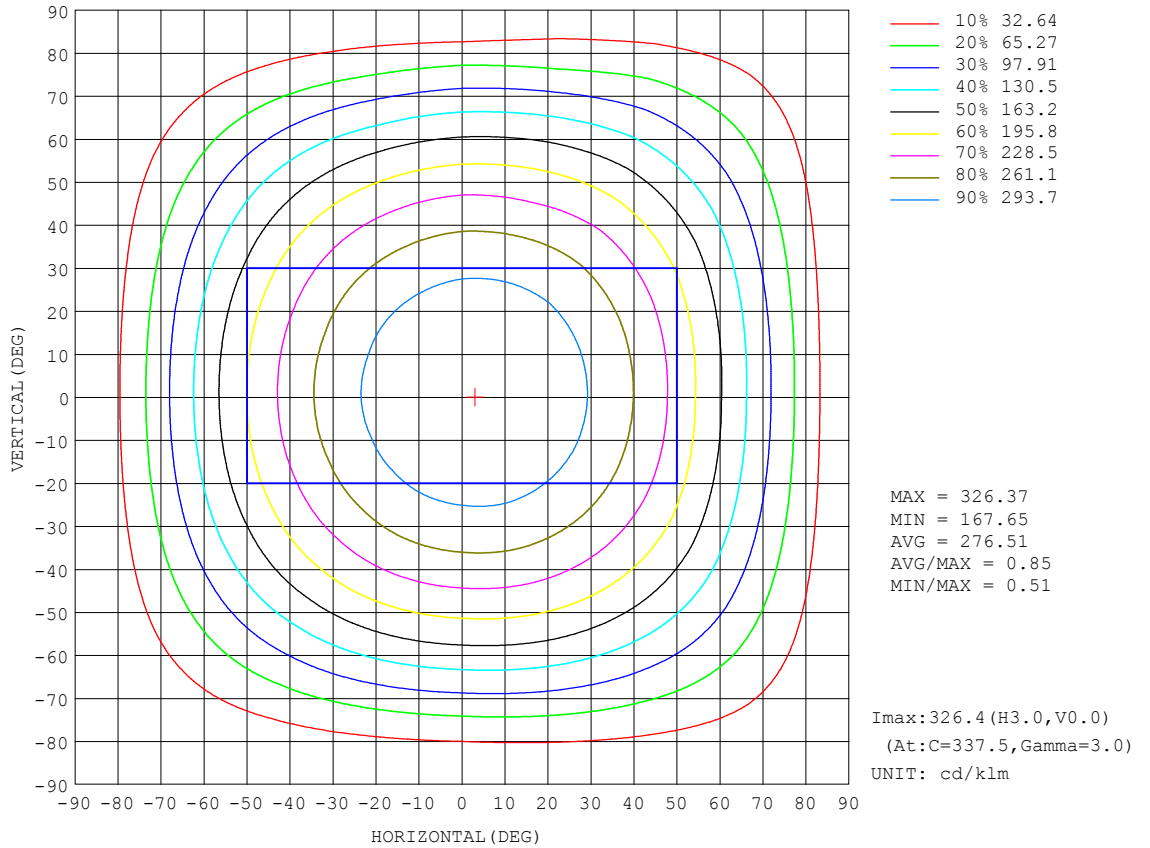
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS (PERCENT) $k(RI) \times RCR = 5$									
k = 0.60	56	44	37	55	44	37	54	44	37	30
0.80	66	54	47	65	54	47	63	53	46	39
1.00	75	63	56	73	63	56	71	64	55	48
1.25	82	71	64	80	70	63	78	69	63	55
1.50	87	77	70	85	76	69	82	74	68	60
2.00	94	85	79	92	84	78	88	82	76	68
2.50	98	90	84	96	89	83	92	86	81	72
3.00	101	94	89	99	93	88	95	90	85	76
4.00	106	100	95	103	98	93	99	94	91	81
5.00	108	103	99	105	101	97	101	97	94	84
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:2019-12-12

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:

ISOCANDELA DIAGRAM

Test:U:24.000V I:0.8670A P:20.810W PF:1.0000 Freq:0Hz Lamp Flux:3187.19x1 lm		
NAME: UB-IS-50K90C	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

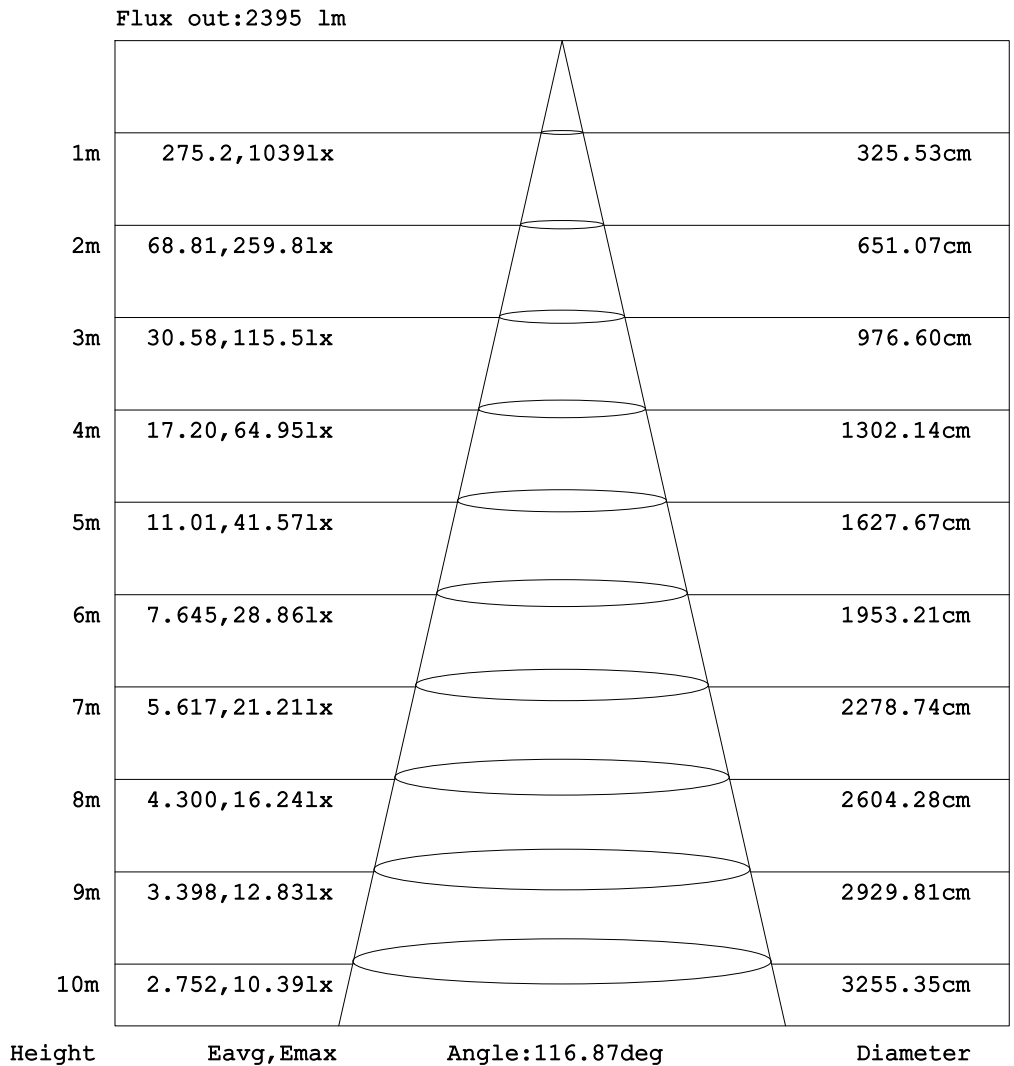


C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:25.0DEG
 Test Date:2019-12-12

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:0.8670A P:20.810W PF:1.0000 Freq:0Hz Lamp Flux:3187.19x1 lm		
NAME: UB-IS-50K90C	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



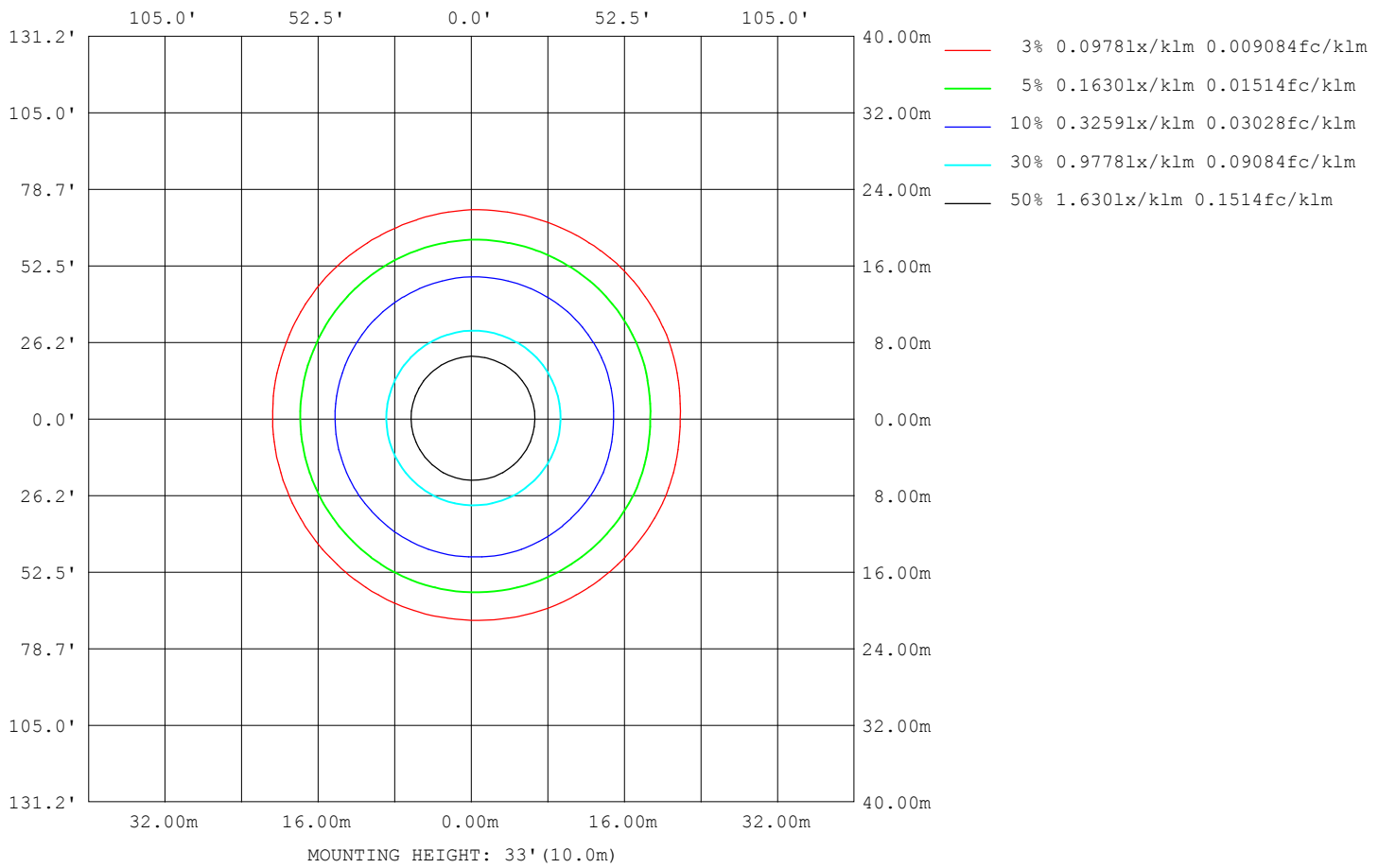
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

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

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:0.8670A P:20.810W PF:1.0000 Freq:0Hz Lamp Flux:3187.19x1 lm		
NAME: UB-IS-50K90C	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:2019-12-12

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:0.8670A P:20.810W PF:1.0000 Freq:0Hz Lamp Flux:3187.19x1 lm		
NAME: UB-IS-50K90C	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

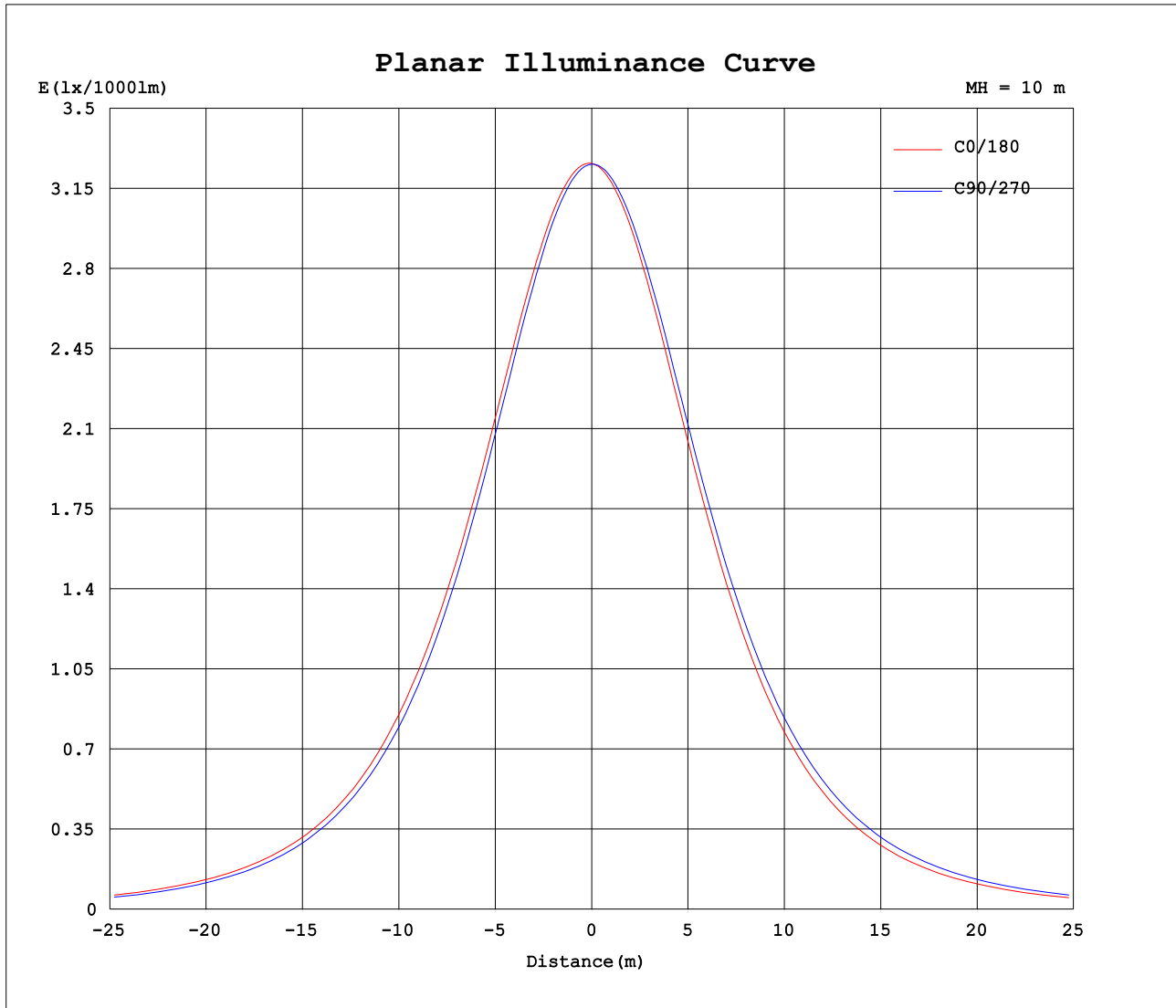
AvgL	cd/m2
L_0~180 (65) av	95250
L_0~180 (75) av	83731
L_0~180 (85) av	65142
L_90~270 (65) av	97526
L_90~270 (75) av	85338
L_90~270 (85) av	54534
L_45 (65) av	97298
L_45 (75) av	85407
L_45 (85) av	67657

Standard: GB/T 29293-2012

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

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: 2019-12-12

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:0.8670A P:20.810W PF:1.0000 Freq:0Hz Lamp Flux:3187.19x1 lm		
NAME: UB-IS-50K90C	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	326	326	326	326	326	326	326	326	326	326	326	326	326	326	326	326			
5	326	326	325	325	324	324	323	323	323	323	324	324	325	326	326	326			
10	324	323	322	321	320	319	318	318	318	319	320	321	322	323	324	324			
15	319	319	317	316	314	312	311	311	311	312	313	315	317	318	320	320			
20	313	312	310	308	305	303	301	301	301	302	304	307	309	311	313	313			
25	303	302	300	297	294	292	289	289	290	291	293	296	300	302	304	304			
30	291	290	287	284	281	278	275	275	275	277	280	283	287	290	293	293			
35	277	276	272	269	265	262	259	258	259	260	264	268	273	273	279	279			
40	260	258	255	251	246	243	240	239	240	242	246	251	256	259	262	262			
45	241	239	235	231	226	222	219	218	219	221	226	231	237	239	244	244			
50	217	217	213	208	203	199	195	195	196	199	204	209	215	218	223	223			
55	192	193	188	183	177	174	170	169	171	174	179	185	192	196	200	199			
60	165	166	161	156	150	146	142	142	144	147	153	159	166	170	174	173			
65	137	138	132	127	121	117	113	113	115	118	124	129	138	142	146	146			
70	109	108	102	96.4	90.3	86.9	83.5	83.7	86.0	89.0	95.1	101	109	112	117	116			
75	79.2	77.3	70.9	65.9	60.2	56.9	54.3	54.4	56.8	59.8	65.5	70.3	78.4	80.0	86.8	85.4			
80	49.7	47.0	41.7	37.6	32.8	30.4	28.3	28.6	30.5	33.1	37.9	42.6	48.3	52.5	56.4	55.2			
85	24.4	21.8	17.9	15.0	11.8	11.1	9.88	10.0	11.2	12.8	16.2	19.6	18.0	27.4	30.0	28.5			
90	7.60	6.06	4.69	3.73	0.59	2.39	2.00	1.79	1.85	2.40	3.83	5.19	0.45	7.23	10.5	9.66			
95	1.87	1.59	1.55	1.13	0.74	0.83	1.07	1.09	1.01	0.94	0.96	0.87	0.59	1.75	2.56	2.29			
100	0.96	0.97	0.95	0.89	0.95	1.01	1.04	1.10	1.04	0.92	0.83	0.79	0.76	0.77	0.88	0.91			
105	1.03	1.00	1.00	1.07	1.16	1.23	1.24	1.22	1.08	0.99	0.99	1.00	0.96	0.91	0.86	0.86			
110	1.19	1.15	1.19	1.27	1.38	1.45	1.47	1.44	1.23	1.21	1.21	1.22	1.17	1.11	1.03	0.98			
115	1.38	1.35	1.38	1.48	1.58	1.66	1.68	1.66	1.40	1.43	1.45	1.45	1.38	1.31	1.23	1.16			
120	1.59	1.56	1.54	1.68	1.79	1.87	1.89	1.88	1.59	1.66	1.69	1.67	1.59	1.50	1.42	1.38			
125	1.81	1.77	1.80	1.88	1.98	2.07	2.09	2.09	1.83	1.91	1.93	1.90	1.81	1.72	1.64	1.64			
130	2.04	1.98	2.02	2.08	2.18	2.26	2.30	2.30	2.12	2.19	2.21	2.15	2.07	1.97	1.91	1.92			
135	2.31	2.24	2.27	2.31	2.41	2.48	2.54	2.56	2.40	2.46	2.47	2.40	2.31	2.22	2.17	2.21			
140	2.59	2.52	2.52	2.55	2.63	2.70	2.77	2.81	2.63	2.68	2.67	2.61	2.52	2.44	2.40	2.45			
145	2.86	2.76	2.75	2.77	2.84	2.90	2.98	3.04	2.81	2.84	2.82	2.77	2.68	2.61	2.58	2.64			
150	3.04	2.94	2.92	2.93	2.98	3.04	3.12	3.20	2.97	2.92	2.94	2.90	2.82	2.75	2.74	2.81			
155	3.19	3.08	3.06	3.05	3.08	3.13	3.21	3.28	3.09	3.01	3.04	2.99	2.92	2.87	2.86	2.95			
160	3.30	3.20	3.17	3.15	3.17	3.21	3.28	3.33	3.20	3.16	3.15	3.08	3.02	2.98	2.98	3.08			
165	3.36	3.29	3.26	3.22	3.22	3.26	3.33	3.40	3.30	3.24	3.24	3.17	3.11	3.08	3.10	3.19			
170	3.43	3.35	3.32	3.27	3.26	3.30	3.36	3.47	3.32	3.26	3.27	3.19	3.15	3.13	3.15	3.24			
175	3.40	3.33	3.32	3.26	3.25	3.27	3.33	3.41	3.19	3.15	3.17	3.12	3.07	3.06	3.07	3.13			
180	3.26	3.20	3.21	3.17	3.15	3.16	3.18	3.23	3.27	3.21	3.21	3.17	3.15	3.16	3.18	3.24			

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