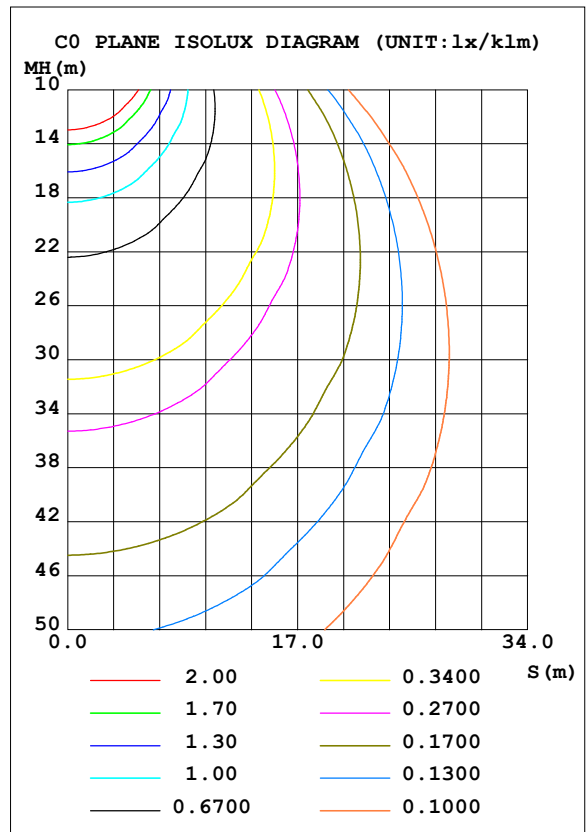
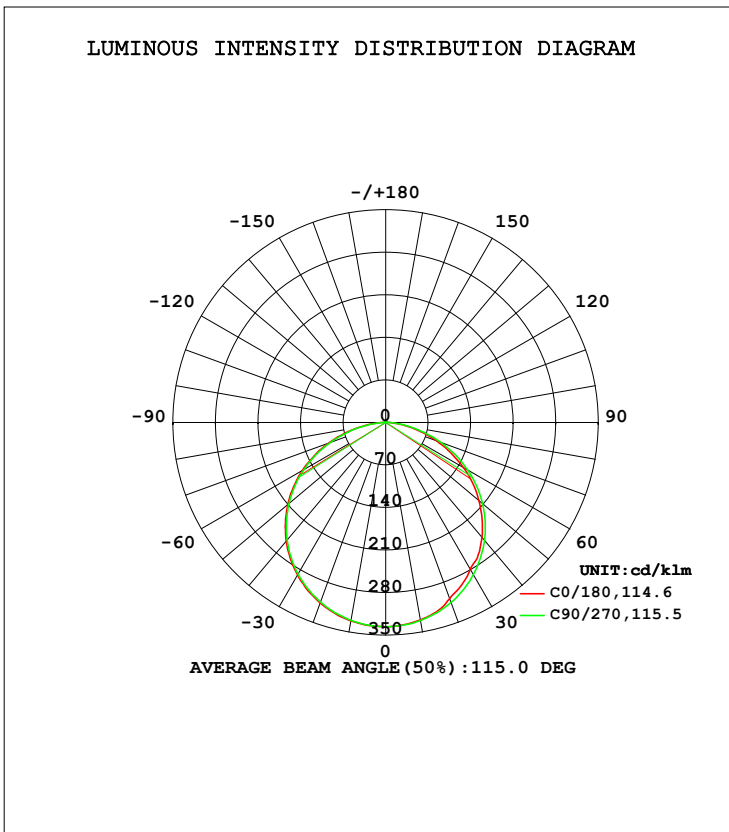


**LUMINAIRE PHOTOMETRIC TEST REPORT**

Test:U:24.00V I:0.2031A P:4.874W PF:1.000 Freq:0Hz Lamp Flux:328.131x1 lm		
NAME: UB-OL-30K97C	TYPE:LED Strip	WEIGHT:0.01Kg
SPEC.:4.8W	DIM.: 1000*10*2(MM)	SERIAL No.:001
MFR.: Flexfire LEDs, Inc.	SUR.:1000*10(MM)	Shielding Angle:120

DATA OF LAMP		PHOTOMETRIC DATA			
MODEL	SMD /LED	Imax(cd/klm)	336.1	S/MH(C0/180)	1.28
NOMINAL POWER(W)	4.8744	LOR(%)	100.0	S/MH(C90/270)	1.28
RATED VOLTAGE(V)	24	TOTAL FLUX(lm/klm)	1000.0	$\eta$ UP, DN(C0-180)	0.6,49.3
NOMINAL FLUX(lm)	328.131	CIE CLASS	DIRECT	$\eta$ UP, DN(C180-360)	0.5,49.6
LAMPS INSIDE	1	$\eta$ up(%)	1.1	CIBSE SHR NOM	1.25
TEST VOLTAGE(V)	24	$\eta$ down(%)	98.9	CIBSE SHR MAX	1.35



C Range: 0 - 360DEG  
 C Interval: 22.5DEG  
 Test Speed: HIGH  
 Temperature:25.0DEG  
 Test Date:2019-10-12

$\gamma$  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:

ZONAL FLUX DIAGRAM

ZONAL FLUX DIAGRAM:

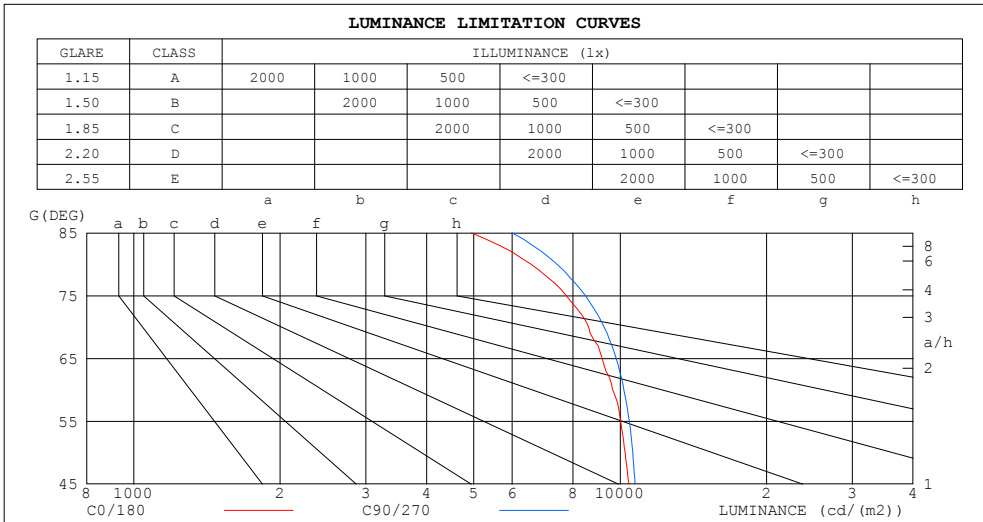
$\gamma$	C0	C45	C90	C135	C180	C225	C270	C315	$\gamma$	$\Phi$ zone	$\Phi$ total	%lum, lamp
10	329.9	330.3	330.9	331.1	331.4	330.9	330.5	330.3	0- 10	31.82	31.82	3.18,3.18
20	308.3	313.9	315.1	315.4	316.0	315.3	314.5	314.0	10- 20	91.45	123.3	12.3,12.3
30	278.8	287.1	289.0	289.5	290.3	289.4	288.3	287.5	20- 30	139.4	262.7	26.3,26.3
40	246.6	250.9	253.0	253.7	254.7	253.8	252.6	251.6	30- 40	169.7	432.4	43.2,43.2
50	200.4	205.8	208.2	209.1	210.4	209.3	207.8	207.0	40- 50	178.1	610.5	61.1,61.1
60	147.0	153.0	155.4	156.7	158.4	157.2	155.5	154.9	50- 60	162.8	773.3	77.3,77.3
70	89.65	94.57	96.75	98.28	100.5	99.23	97.37	96.80	60- 70	125.0	898.3	89.8,89.8
80	34.69	37.57	39.27	40.56	42.50	41.43	37.46	39.64	70- 80	71.23	969.6	97,97
90	2.310	2.865	1.135	3.336	3.692	4.104	0.3951	3.530	80- 90	19.52	989.1	98.9,98.9
100	0.9156	0.7870	0.8748	0.8319	0.8624	0.6706	0.7261	0.6618	90-100	1.300	990.4	99,99
110	1.213	1.160	1.290	1.248	1.182	1.085	1.132	1.046	100-110	1.007	991.4	99.1,99.1
120	1.681	1.553	1.686	1.706	1.554	1.532	1.548	1.451	110-120	1.357	992.7	99.3,99.3
130	2.033	2.031	2.091	2.079	1.895	1.958	1.943	1.835	120-130	1.595	994.3	99.4,99.4
140	2.426	2.351	2.432	2.463	2.214	2.351	2.316	2.240	130-140	1.675	996.0	99.6,99.6
150	2.778	2.702	2.711	2.731	2.555	2.649	2.594	2.571	140-150	1.570	997.6	99.8,99.8
160	3.065	2.925	2.892	2.954	2.832	2.894	2.807	2.784	150-160	1.283	998.9	99.9,99.9
170	3.097	3.064	3.041	3.072	3.055	3.085	2.988	3.008	160-170	0.8411	999.7	100,100
180	3.140	3.106	3.084	3.093	3.108	3.128	3.084	3.104	170-180	0.2925	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:2019-10-12

$\gamma$  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:0.2031A P:4.874W PF:1.000 Freq:0Hz Lamp Flux:328.131x1 lm		
NAME: UB-OL-30K97C	TYPE:LED Strip	WEIGHT:0.01Kg
SPEC.:4.8W	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	4946	5995
80	6560	7408
75	7749	8482
70	8607	9265
65	9177	9816
60	9653	10180
55	10022	10436
50	10237	10609
45	10421	10734

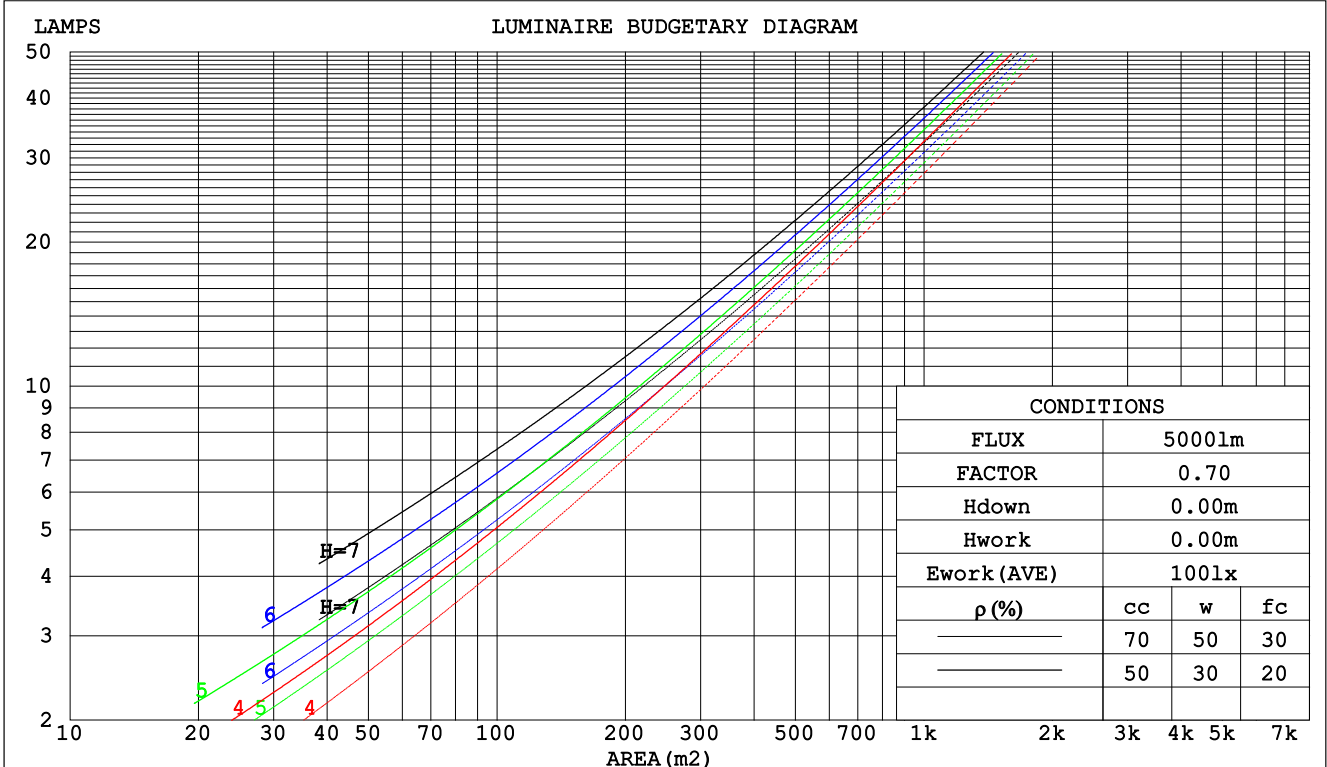
C Range: 0 - 360DEG  
 C Interval: 22.5DEG  
 Test Speed: HIGH  
 Temperature:25.0DEG  
 Test Date:2019-10-12

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:

**CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM**

Test:U:24.00V I:0.2031A P:4.874W PF:1.000 Freq:0Hz Lamp Flux:328.131x1 lm		
NAME: UB-OL-30K97C	TYPE:LED Strip	WEIGHT:0.01Kg
SPEC.:4.8W	DIM.: 1000*10*2 (MM)	SERIAL No.:001
MFR.: Flexfire LEDs, Inc.	SUR.:1000*10 (MM)	Shielding Angle:120

$\rho_{cc}$	80%			70%			50%			30%			10%			0
$\rho_w$	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
$\rho_{fc}$	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	1.03	.99	.95	1.01	.97	.94	.97	.93	.90	.93	.90	.87	.89	.87	.85	.82
2.0	.90	.83	.77	.88	.82	.76	.84	.79	.74	.81	.76	.72	.78	.74	.71	.68
3.0	.79	.71	.64	.77	.69	.63	.74	.67	.62	.71	.65	.61	.68	.64	.60	.57
4.0	.70	.61	.54	.68	.60	.54	.66	.58	.53	.63	.57	.52	.61	.55	.51	.49
5.0	.62	.53	.46	.61	.52	.46	.59	.51	.45	.57	.50	.45	.55	.49	.44	.42
6.0	.56	.47	.40	.55	.46	.40	.53	.45	.40	.51	.44	.39	.49	.43	.39	.37
7.0	.51	.42	.36	.50	.41	.35	.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	.28	.42	.34	.28	.40	.33	.28	.39	.33	.28	.38	.32	.28	.26
10.0	.39	.31	.26	.38	.31	.26	.37	.30	.25	.36	.30	.25	.35	.29	.25	.23



C Range: 0 - 360DEG  
 C Interval: 22.5DEG  
 Test Speed: HIGH  
 Temperature:25.0DEG  
 Test Date:2019-10-12

$\gamma$  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:

WEC AND CCEC

Test:U:24.00V I:0.2031A P:4.874W PF:1.000 Freq:0Hz Lamp Flux:328.131x1 lm		
NAME: UB-OL-30K97C	TYPE:LED Strip	WEIGHT:0.01Kg
SPEC.:4.8W	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	.313	.178	.056	.305	.174	.055	.291	.167	.053	.278	.161	.052	.267	.155	.050	
2.0	.294	.161	.049	.287	.158	.049	.275	.153	.048	.264	.148	.046	.253	.143	.045	
3.0	.272	.145	.043	.266	.142	.043	.255	.138	.042	.245	.134	.041	.236	.130	.040	
4.0	.251	.130	.038	.246	.128	.038	.236	.125	.037	.227	.122	.037	.218	.119	.036	
5.0	.232	.118	.034	.227	.117	.034	.218	.114	.033	.210	.111	.033	.203	.108	.033	
6.0	.215	.108	.031	.211	.106	.031	.203	.104	.030	.196	.102	.030	.189	.099	.030	
7.0	.200	.099	.028	.196	.098	.028	.189	.096	.028	.183	.094	.027	.177	.092	.027	
8.0	.186	.091	.026	.183	.090	.025	.177	.088	.025	.171	.087	.025	.166	.085	.025	
9.0	.175	.084	.024	.172	.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	

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	.199	.199	.199	.170	.170	.170	.116	.116	.116	.067	.067	.067	.021	.021	.021	
1.0	.189	.164	.143	.162	.141	.123	.111	.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	.149	.106	.072	.102	.074	.050	.059	.043	.030	.019	.014	.010	
4.0	.166	.110	.067	.142	.095	.058	.098	.066	.041	.057	.039	.024	.018	.013	.008	
5.0	.158	.099	.056	.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	.119	.068	.032	.082	.048	.023	.048	.028	.014	.015	.009	.005	
9.0	.132	.073	.034	.114	.064	.029	.079	.045	.021	.046	.026	.012	.015	.009	.004	
10.0	.126	.069	.031	.109	.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:2019-10-12

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:0.2031A P:4.874W PF:1.000 Freq:0Hz Lamp Flux:328.13lx1 lm										
NAME: UB-OL-30K97C					TYPE:LED Strip			WEIGHT:0.01Kg		
SPEC.:4.8W					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	24.7	26.2	25.0	26.5	26.7	24.9	26.4	25.2	26.6	26.9
3H	26.2	27.6	26.5	27.8	28.1	26.4	27.8	26.7	28.1	28.3
4H	26.7	28.1	27.1	28.3	28.6	27.0	28.3	27.3	28.6	28.9
6H	27.1	28.3	27.4	28.6	28.9	27.4	28.7	27.8	29.0	29.3
8H	27.2	28.4	27.5	28.7	29.0	27.5	28.7	27.9	29.0	29.4
12H	27.2	28.4	27.6	28.7	29.0	27.6	28.8	28.0	29.1	29.4
4H 2H	25.4	26.7	25.7	27.0	27.2	25.5	26.8	25.8	27.1	27.4
3H	27.0	28.2	27.4	28.5	28.8	27.2	28.4	27.6	28.7	29.0
4H	27.7	28.7	28.1	29.1	29.4	27.9	29.0	28.3	29.3	29.7
6H	28.2	29.1	28.6	29.5	29.9	28.4	29.4	28.8	29.8	30.1
8H	28.3	29.2	28.7	29.6	30.0	28.6	29.5	29.0	29.9	30.3
12H	28.4	29.2	28.8	29.6	30.0	28.7	29.5	29.1	29.9	30.4
8H 4H	27.9	28.8	28.4	29.2	29.6	28.1	29.0	28.6	29.4	29.8
6H	28.6	29.3	29.0	29.7	30.2	28.8	29.5	29.3	30.0	30.4
8H	28.8	29.4	29.2	29.9	30.3	29.1	29.7	29.5	30.2	30.6
12H	28.9	29.5	29.4	29.9	30.4	29.2	29.8	29.7	30.3	30.8
12H 4H	28.0	28.8	28.4	29.2	29.6	28.1	29.0	28.6	29.4	29.8
6H	28.6	29.3	29.1	29.7	30.2	28.9	29.5	29.3	29.9	30.4
8H	28.8	29.4	29.3	29.9	30.4	29.1	29.7	29.6	30.2	30.7
Variations with the observer position at spacings:										
S = 1.0H	+ 0.2 / - 0.2					+ 0.2 / - 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, 328.1 lm Total Lamp Luminous Flux Correct (8log(F/F0) = -3.9)

C Range: 0 - 360DEG  
 C Interval: 22.5DEG  
 Test Speed: HIGH  
 Temperature:25.0DEG  
 Test Date:2019-10-12

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:0.2031A P:4.874W PF:1.000 Freq:0Hz Lamp Flux:328.131x1 lm		
NAME: UB-OL-30K97C	TYPE:LED Strip	WEIGHT:0.01Kg
SPEC.:4.8W	DIM.: 1000*10*2(MM)	SERIAL No.:001
MFR.: Flexfire LEDs, Inc.	SUR.:1000*10(MM)	Shielding Angle:120

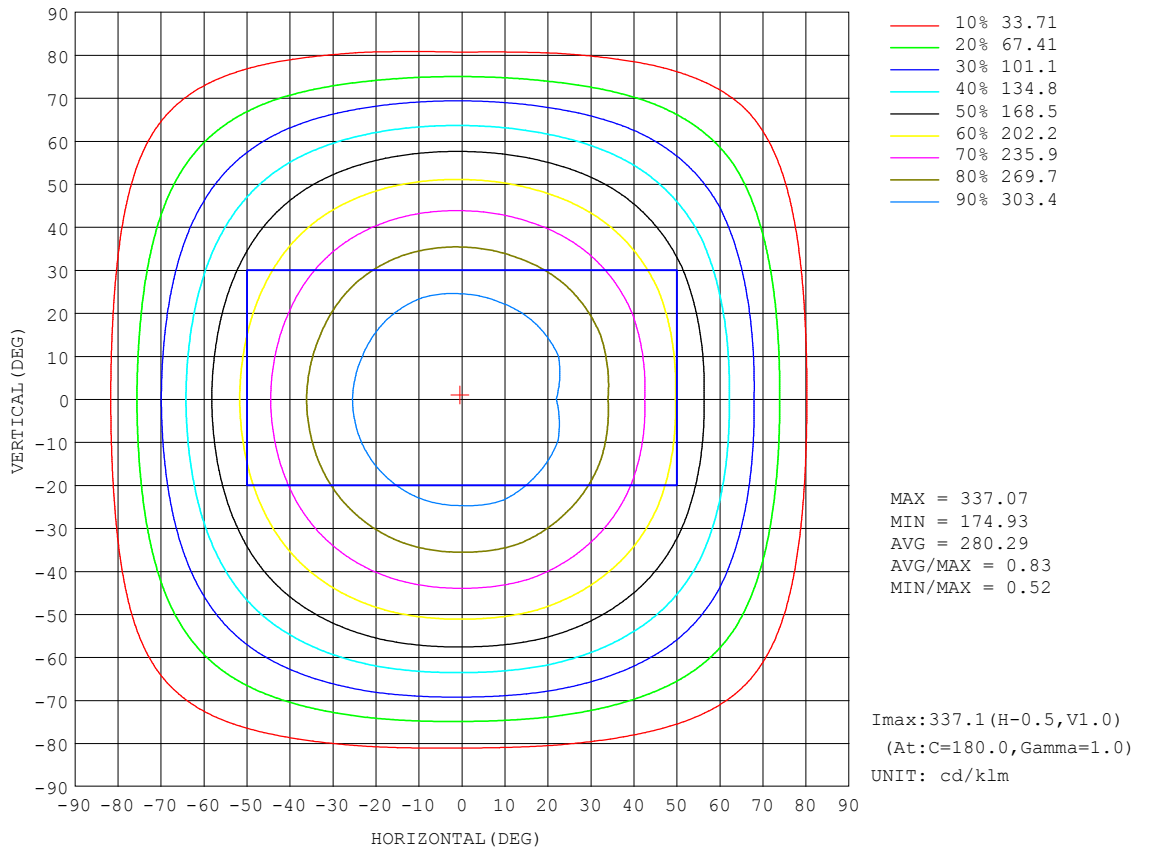
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS (PERCENT) $k(RI) \times RCR = 5$									
k = 0.60	57	45	38	56	45	38	55	44	38	31
0.80	67	55	48	66	55	47	64	54	47	40
1.00	75	64	57	74	63	56	72	65	56	48
1.25	82	72	64	81	71	64	78	69	63	56
1.50	87	77	70	86	76	70	82	74	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	99	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	97	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:2019-10-12

$\gamma$  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:0.2031A P:4.874W PF:1.000 Freq:0Hz Lamp Flux:328.131x1 lm		
NAME: UB-OL-30K97C	TYPE:LED Strip	WEIGHT:0.01Kg
SPEC.:4.8W	DIM.: 1000*10*2 (MM)	SERIAL No.:001
MFR.: Flexfire LEDs, Inc.	SUR.:1000*10 (MM)	Shielding Angle:120



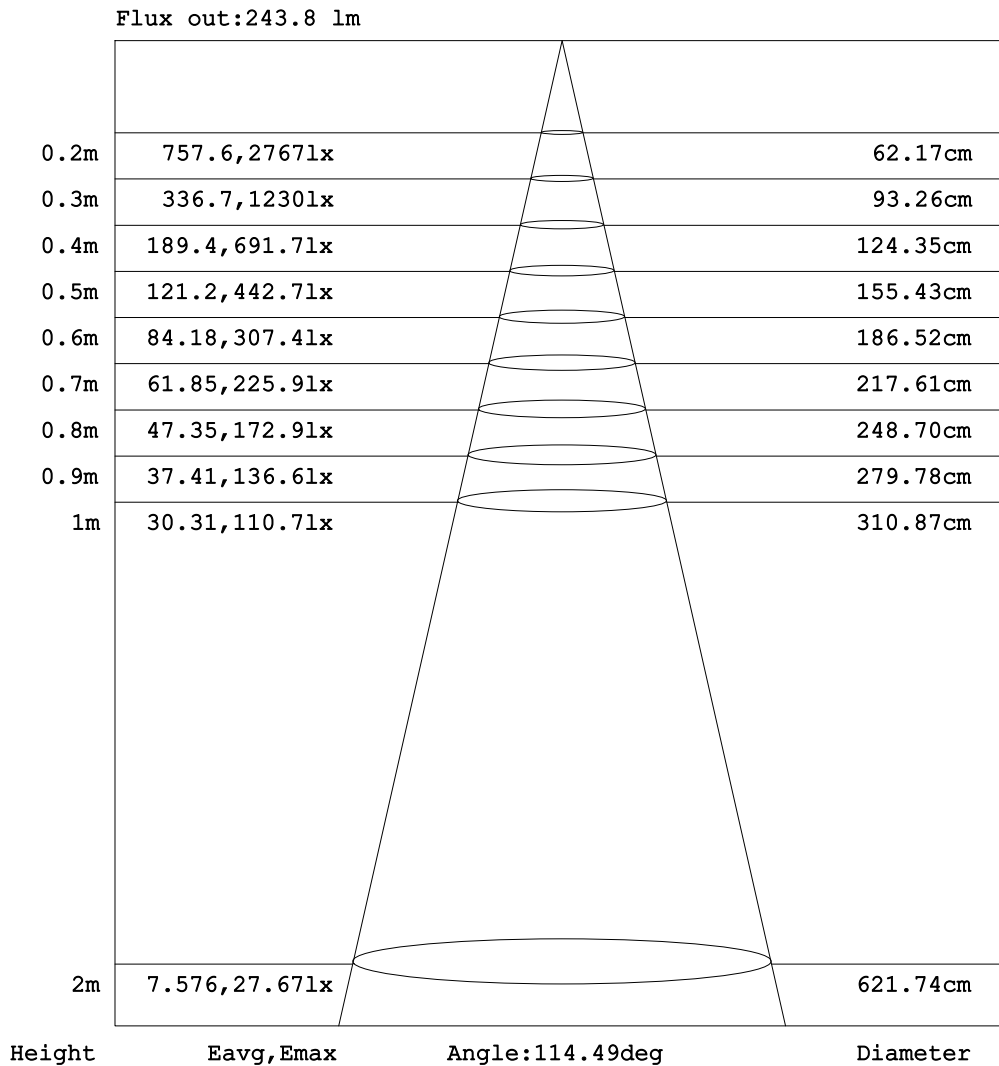
C Range: 0 - 360DEG  
 C Interval: 22.5DEG  
 Test Speed: HIGH  
 Temperature:25.0DEG  
 Test Date:2019-10-12

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:0.2031A P:4.874W PF:1.000 Freq:0Hz Lamp Flux:328.13lx1 lm		
NAME: UB-OL-30K97C	TYPE:LED Strip	WEIGHT:0.01Kg
SPEC.:4.8W	DIM.: 1000*10*2 (MM)	SERIAL No.:001
MFR.: Flexfire LEDs, Inc.	SUR.:1000*10 (MM)	Shielding Angle:120



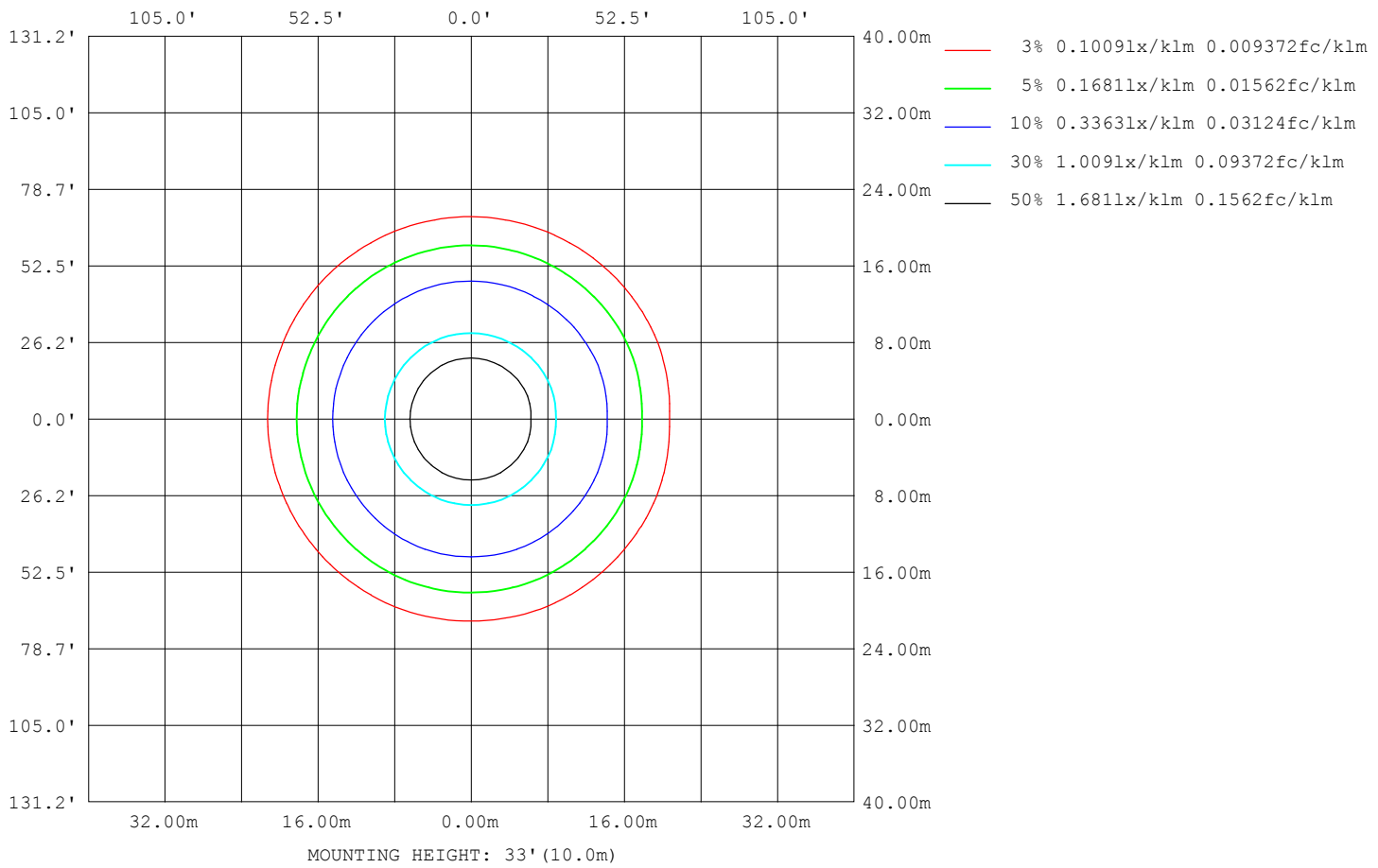
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG  
 C Interval: 22.5DEG  
 Test Speed: HIGH  
 Temperature:25.0DEG  
 Test Date:2019-10-12

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:0.2031A P:4.874W PF:1.000 Freq:0Hz Lamp Flux:328.13lx1 lm		
NAME: UB-OL-30K97C	TYPE:LED Strip	WEIGHT:0.01Kg
SPEC.:4.8W	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:2019-10-12

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:

**LED Avg.L Report**

Test:U:24.00V I:0.2031A P:4.874W PF:1.000 Freq:0Hz Lamp Flux:328.131x1 lm		
NAME: UB-OL-30K97C	TYPE:LED Strip	WEIGHT:0.01Kg
SPEC.:4.8W	DIM.: 1000*10*2 (MM)	SERIAL No.:001
MFR.: Flexfire LEDs, Inc.	SUR.:1000*10 (MM)	Shielding Angle:120

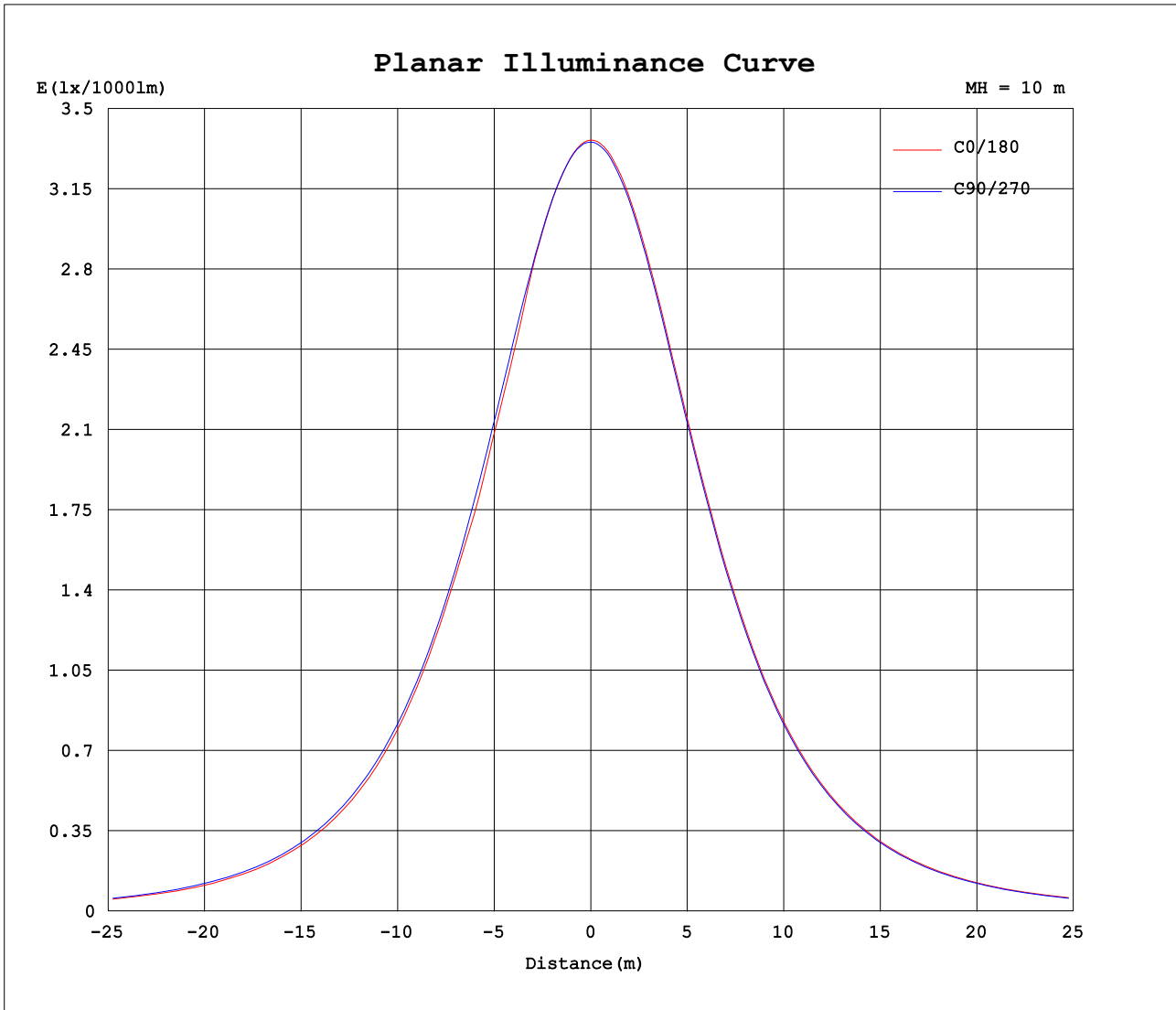
AvgL	cd/m2
L_0~180 (65) av	9632
L_0~180 (75) av	8362
L_0~180 (85) av	5904
L_90~270 (65) av	9847
L_90~270 (75) av	8525
L_90~270 (85) av	5260
L_45 (65) av	9849
L_45 (75) av	8559
L_45 (85) av	6467

Standard: GB/T 29293-2012

C Range: 0 - 360DEG  
 C Interval: 22.5DEG  
 Test Speed: HIGH  
 Temperature:25.0DEG  
 Test Date:2019-10-12

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: 2019-10-12

$\gamma$  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:0.2031A P:4.874W PF:1.000 Freq:0Hz Lamp Flux:328.13lx1 lm		
NAME: UB-OL-30K97C	TYPE:LED Strip	WEIGHT:0.01Kg
SPEC.:4.8W	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	336	336	336	336	336	336	336	336	336	336	336	336	336	336	336	336			
5	334	335	334	335	335	335	335	335	335	335	335	335	335	335	334	334			
10	330	330	330	331	331	331	331	331	331	331	331	331	330	330	330	330			
15	323	323	323	324	324	325	325	325	325	325	324	324	324	324	323	323			
20	308	314	314	315	315	316	315	315	316	315	315	315	314	314	314	314			
25	295	301	302	303	303	304	304	304	304	304	304	303	303	302	302	302			
30	279	287	287	289	289	290	290	290	290	289	289	288	288	288	287	287			
35	266	270	270	272	272	274	273	273	274	273	273	272	271	271	271	270			
40	247	250	251	253	253	255	254	254	255	254	254	253	253	252	252	251			
45	224	229	229	231	232	233	232	232	234	233	233	231	231	231	230	229			
50	200	205	206	208	208	210	209	209	210	210	209	208	208	207	207	206			
55	175	180	180	182	183	185	184	184	185	184	184	183	183	182	182	181			
60	147	152	153	155	155	157	157	157	158	157	157	156	156	155	155	154			
65	118	124	124	126	127	129	128	128	130	129	129	127	127	126	126	125			
70	89.6	94.3	94.6	96.4	96.7	98.8	98.3	98.6	101	99.4	99.2	97.7	97.4	96.7	96.8	95.9			
75	61.1	64.7	65.0	66.6	67.0	68.8	68.5	68.8	70.8	69.6	69.3	67.7	67.5	67.1	67.3	66.4			
80	34.7	36.6	37.6	39.1	39.3	40.9	40.6	40.8	42.5	41.5	41.4	40.2	37.5	39.2	39.6	38.7			
85	13.1	14.3	15.5	16.6	16.0	17.9	17.5	17.3	18.2	17.9	18.6	17.6	12.0	16.2	17.1	15.7			
90	2.31	2.68	2.86	3.11	1.14	3.41	3.34	3.36	3.69	3.77	4.10	3.49	0.40	2.73	3.53	3.09			
95	1.27	1.22	1.00	0.74	0.63	0.72	1.10	1.19	1.32	1.20	0.88	0.58	0.53	0.59	0.74	1.14			
100	0.92	0.81	0.79	0.88	0.87	0.89	0.83	0.83	0.86	0.65	0.67	0.67	0.73	0.66	0.66	0.66			
105	1.03	0.99	1.00	1.11	1.06	1.13	1.02	1.03	0.99	0.73	0.87	0.85	0.93	0.82	0.85	0.73			
110	1.21	1.20	1.16	1.33	1.29	1.35	1.25	1.28	1.18	0.99	1.09	1.05	1.13	1.03	1.05	0.90			
115	1.42	1.42	1.37	1.52	1.56	1.57	1.49	1.47	1.38	1.19	1.32	1.28	1.35	1.23	1.26	1.13			
120	1.68	1.61	1.55	1.73	1.69	1.78	1.71	1.70	1.55	1.41	1.53	1.49	1.55	1.45	1.45	1.35			
125	1.87	1.82	1.79	1.86	1.90	1.97	1.89	1.91	1.75	1.61	1.77	1.71	1.75	1.66	1.65	1.57			
130	2.03	2.04	2.03	2.12	2.09	2.17	2.08	2.12	1.90	1.84	1.96	1.90	1.94	1.86	1.84	1.80			
135	2.23	2.22	2.18	2.29	2.26	2.34	2.28	2.32	2.05	2.03	2.17	2.10	2.15	2.03	2.05	2.03			
140	2.43	2.41	2.35	2.45	2.43	2.50	2.46	2.50	2.21	2.23	2.35	2.29	2.32	2.20	2.24	2.22			
145	2.61	2.57	2.54	2.61	2.56	2.65	2.59	2.66	2.38	2.38	2.51	2.46	2.47	2.37	2.41	2.36			
150	2.78	2.72	2.70	2.76	2.71	2.79	2.73	2.82	2.56	2.56	2.65	2.56	2.59	2.46	2.57	2.53			
155	2.92	2.86	2.83	2.88	2.84	2.91	2.88	2.97	2.68	2.63	2.77	2.71	2.71	2.60	2.68	2.70			
160	3.07	2.96	2.93	2.97	2.89	2.98	2.95	3.06	2.83	2.76	2.89	2.78	2.81	2.72	2.78	2.82			
165	3.07	3.06	3.02	3.05	2.98	3.04	3.06	3.14	2.95	2.89	2.99	2.89	2.92	2.87	2.89	2.90			
170	3.10	3.08	3.06	3.09	3.04	3.08	3.07	3.18	3.05	2.95	3.09	2.96	2.99	2.90	3.01	3.04			
175	3.17	3.08	3.09	3.09	3.08	3.09	3.09	3.10	3.07	3.03	3.11	3.04	3.03	2.94	3.04	3.06			
180	3.14	3.09	3.11	3.10	3.08	3.10	3.09	3.10	3.11	3.07	3.13	3.08	3.08	3.09	3.10	3.15			

C Range: 0 - 360DEG  
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