













UTILIZATION FACTORS TABLE

Test:U:23.95V I:0.4304A P:10.31W PF:1.000 Lamp Flux:1020.83x1 lm		
10(8%61\$&	TYPE:LED Strip	WEIGHT: 0.01 Kg
63(&	DIM.:1000*10*2 (MM)	SERIAL No.: 001
MFR.: Flexfire LEDs, Inc.	SUR.:1000*10 (MM)	Shielding Angle:120

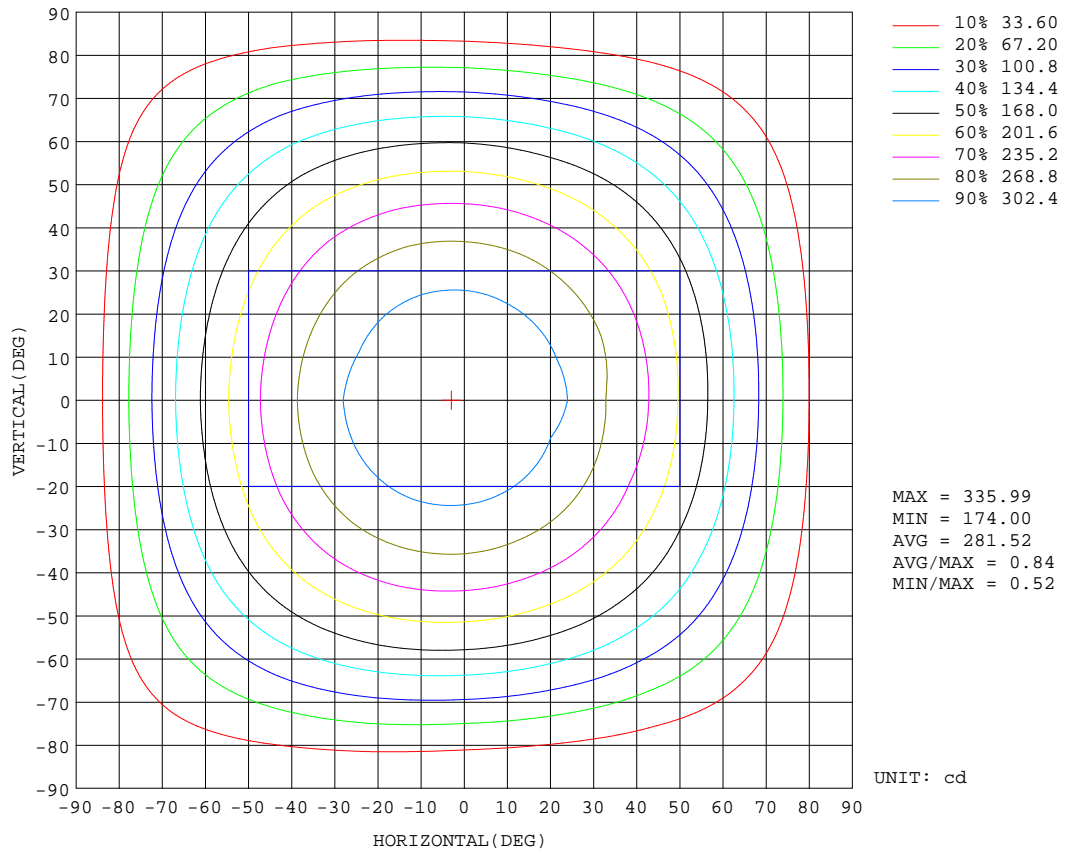
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) $k(RI) \times RCR = 5$									
k = 0.60	56	44	37	55	44	37	54	44	37	30
0.80	66	54	47	65	54	47	63	53	46	39
1.00	75	63	56	73	63	55	71	64	55	48
1.25	82	71	64	80	70	63	78	69	62	55
1.50	87	77	69	85	76	69	82	74	68	60
2.00	94	85	78	92	84	78	88	81	76	68
2.50	98	90	84	96	88	83	92	86	81	72
3.00	101	94	89	99	93	87	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:25.3DEG  
 Test Date:2020-11-24

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
 Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.351  
 Humidity:65.0%  
 Test Distance:9.660m [K=1.0000]  
 Remarks:

**ISOCANDELA DIAGRAM**

Test:U:23.95V I:0.4304A P:10.31W PF:1.000 Lamp Flux:1020.83x1 lm		
NAME: UB-SNA-DW183090C (3000K)	TYPE:LED Strip	WEIGHT: 0.01 Kg
SPEC.: 11W	DIM.:1000*10*2 (MM)	SERIAL No.: 001
MFR.: Flexfire LEDs, Inc.	SUR.:1000*10 (MM)	Shielding Angle:120



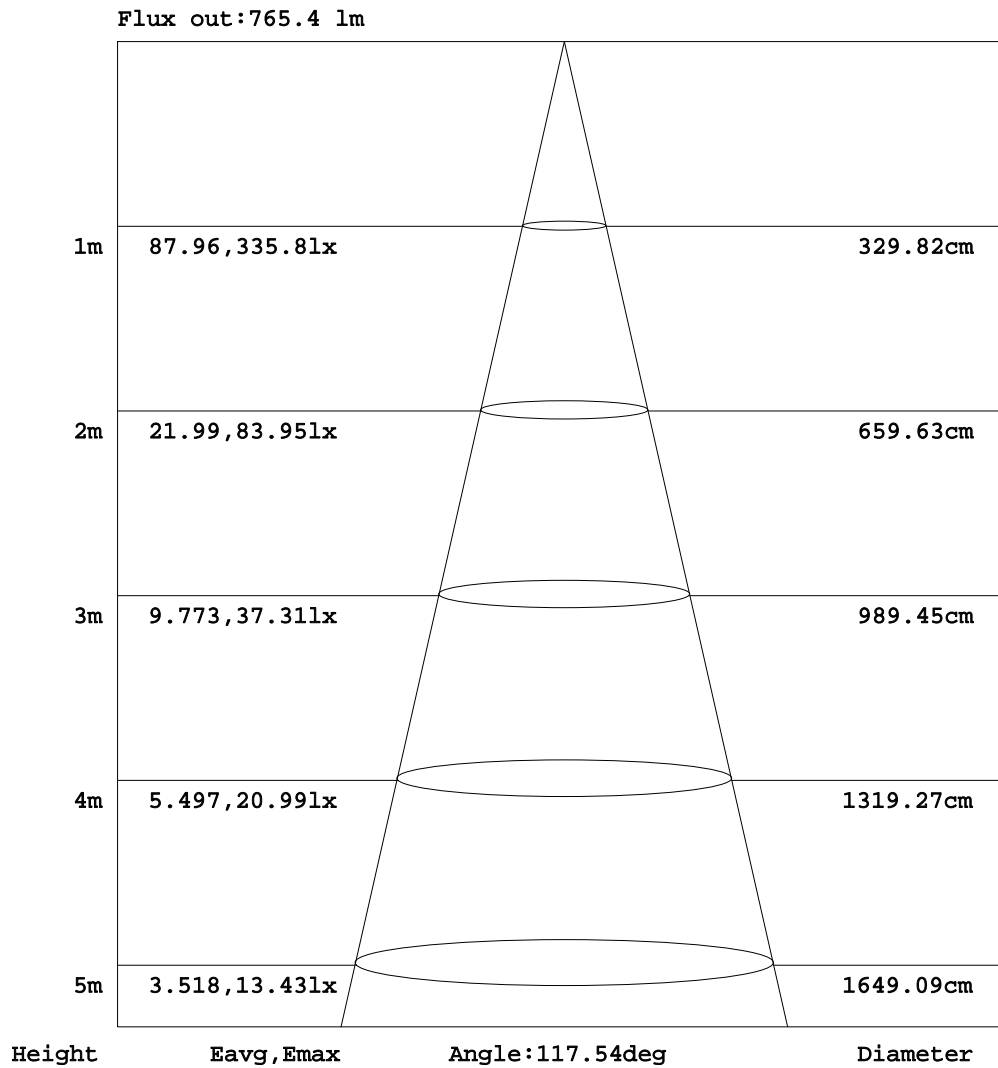
C Range: 0 - 360DEG  
 C Interval: 22.5DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Test Date:2020-11-24

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
 Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.351  
 Humidity:65.0%  
 Test Distance:9.660m [K=1.0000]  
 Remarks:



AAI Figure

Test:U:23.95V I:0.4304A P:10.31W PF:1.000 Lamp Flux:1020.83x1 lm		
NAME: UB-SNA-DW183090C (3000K)	TYPE:LED Strip	WEIGHT: 0.01 Kg
SPEC.: 11W	DIM.:1000*10*2 (MM)	SERIAL No.: 001
MFR.: Flexfire LEDs, Inc.	SUR.:1000*10 (MM)	Shielding Angle:120



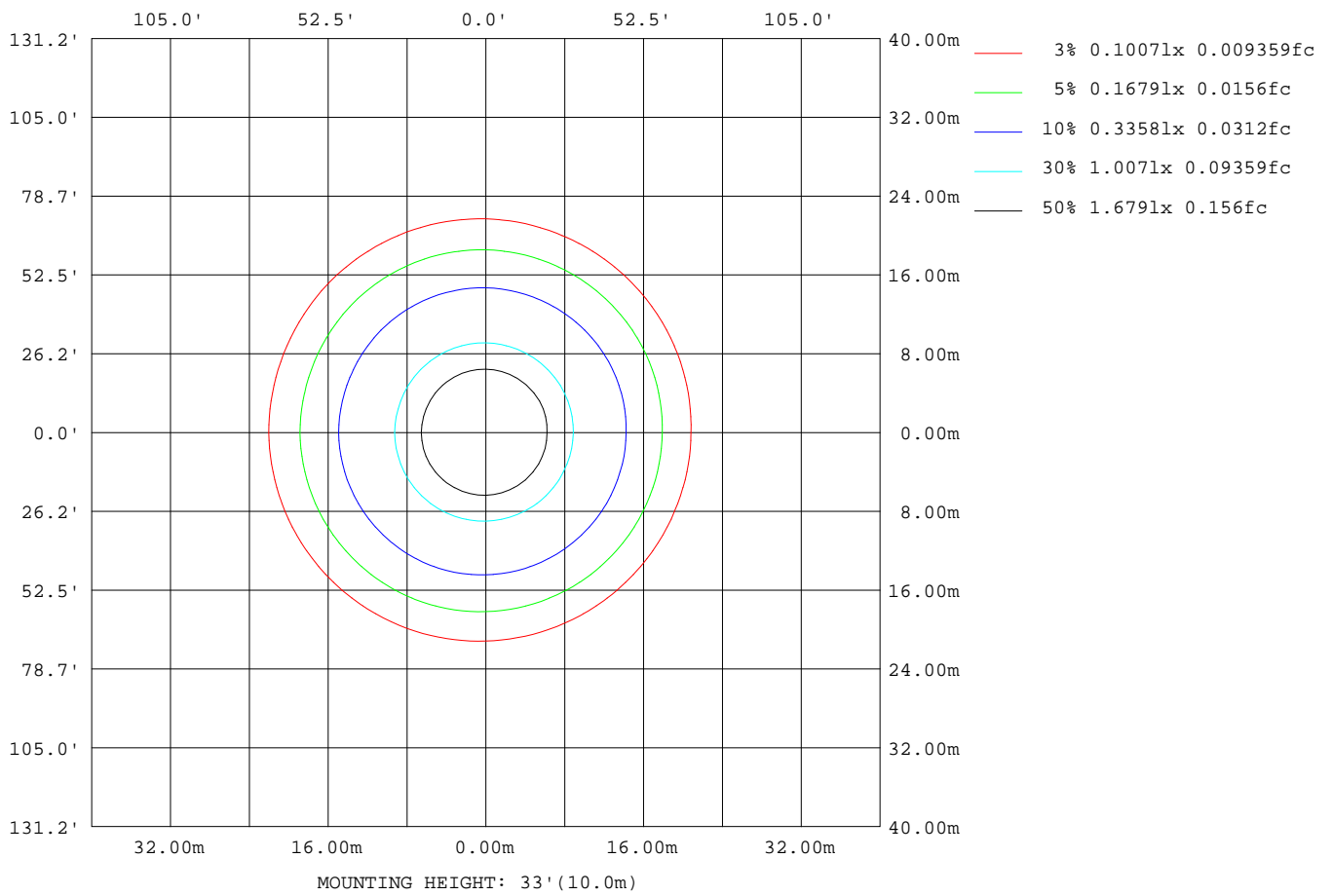
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG  
 C Interval: 22.5DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Test Date:2020-11-24

γ Range: 0 - 180DEG  
 γ Interval: 1.0DEG  
 Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.351  
 Humidity:65.0%  
 Test Distance:9.660m [K=1.0000]  
 Remarks:

**ISOLUX DIAGRAM**

Test:U:23.95V I:0.4304A P:10.31W PF:1.000 Lamp Flux:1020.83x1 lm		
NAME: UB-SNA-DW183090C (3000K)	TYPE:LED Strip	WEIGHT: 0.01 Kg
SPEC.: 11W	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:25.3DEG  
 Test Date:2020-11-24

γ Range: 0 - 180DEG  
 γ Interval: 1.0DEG  
 Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.351  
 Humidity:65.0%  
 Test Distance:9.660m [K=1.0000]  
 Remarks:

**LED Avg.L Report**

Test:U:23.95V I:0.4304A P:10.31W PF:1.000 Lamp Flux:1020.83x1 lm		
NAME: UB-SNA-DW183090C (3000K)	TYPE:LED Strip	WEIGHT: 0.01 Kg
SPEC.: 11W	DIM.:1000*10*2 (MM)	SERIAL No.: 001
MFR.: Flexfire LEDs, Inc.	SUR.:1000*10 (MM)	Shielding Angle:120

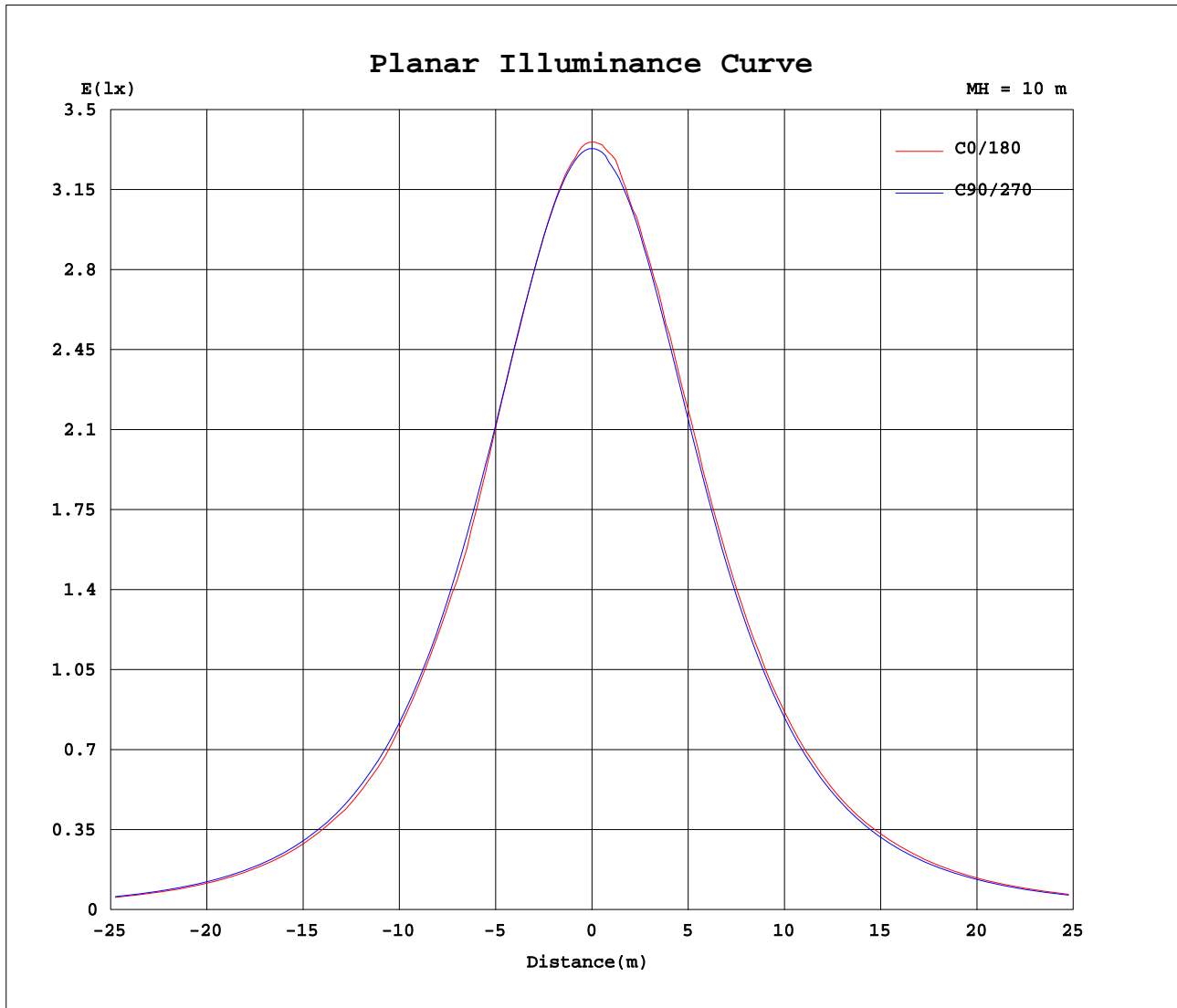
AvgL	cd/m2
L_0~180(65)av	15608079
L_0~180(75)av	13861516
L_0~180(85)av	11251911
L_90~270(65)av	15726388
L_90~270(75)av	14159940
L_90~270(85)av	12147785
L_45(65)av	15751449
L_45(75)av	14139138
L_45(85)av	11879682

Standard: GB/T 29293-2012

C Range: 0 - 360DEG  
 C Interval: 22.5DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Test Date:2020-11-24

γ Range: 0 - 180DEG  
 γ Interval: 1.0DEG  
 Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.351  
 Humidity:65.0%  
 Test Distance:9.660m [K=1.0000]  
 Remarks:

Planar Illuminance Curve



C Range: 0 - 360DEG  
 C Interval: 22.5DEG  
 Test Speed: HIGH  
 Temperature: 25.3DEG  
 Test Date: 2020-11-24

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
 Test System: EVERFINE GO-2000B\_V1 SYSTEM V2.0.351  
 Humidity: 65.0%  
 Test Distance: 9.660m [K=1.0000]  
 Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:23.95V I:0.4304A P:10.31W PF:1.000 Lamp Flux:1020.83x1 lm		
NAME: UB-SNA-DW183090C (3000K)	TYPE:LED Strip	WEIGHT: 0.01 Kg
SPEC.: 11W	DIM.:1000*10*2 (MM)	SERIAL No.: 001
MFR.: Flexfire LEDs, Inc.	SUR.:1000*10 (MM)	Shielding Angle:120

Table--1

UNIT: cd

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	330	331	331	332	333	333	332	332	333	333	332	331	333	331	331			
10	326	325	326	327	328	330	330	330	328	330	330	330	328	329	327	326			
15	318	318	319	320	321	323	324	325	322	325	325	324	322	322	320	319			
20	309	308	309	310	312	315	316	317	315	318	317	316	314	313	311	309			
25	297	296	297	299	301	304	306	307	305	308	307	306	304	302	299	297			
30	279	281	283	284	287	291	293	295	293	296	295	293	291	288	285	283			
35	260	264	266	268	271	275	278	279	279	281	280	278	275	273	269	267			
40	245	245	247	249	252	257	260	262	262	264	263	261	258	255	251	248			
45	223	224	225	228	231	237	240	243	243	245	244	242	238	234	230	227			
50	197	201	202	204	208	214	218	221	222	223	223	220	216	212	208	204			
55	174	175	176	179	184	189	193	197	198	200	199	196	192	187	183	180			
60	148	148	149	152	156	162	167	171	173	174	174	170	166	161	157	152			
65	119	119	120	123	127	133	138	142	145	146	146	143	139	133	128	124			
70	89.7	89.7	89.4	93.1	97.2	104	108	112	116	117	117	114	110	104	99.4	94.3			
75	60.1	59.6	59.4	62.9	67.0	73.8	77.7	81.3	83.4	85.6	86.5	83.8	79.6	74.2	69.2	64.4			
80	33.1	32.3	32.3	35.3	38.9	44.7	47.8	51.6	53.8	55.1	56.4	54.2	50.6	45.6	41.1	36.6			
85	11.6	11.1	12.0	14.2	16.9	20.7	23.2	25.7	27.6	28.9	29.4	28.4	25.5	21.9	18.2	14.6			
90	1.08	1.61	2.49	3.33	4.18	5.57	6.55	7.13	6.84	9.26	10.3	9.76	8.62	6.82	4.87	2.64			
95	0.42	0.70	0.90	0.79	0.88	0.99	1.22	0.72	0.36	1.09	1.87	2.38	2.15	1.95	1.15	0.47			
100	0.48	0.60	0.73	0.67	0.59	0.61	0.64	0.53	0.47	0.40	0.52	0.66	0.55	0.61	0.53	0.44			
105	0.65	0.72	0.69	0.69	0.59	0.65	0.61	0.64	0.59	0.46	0.55	0.53	0.59	0.58	0.64	0.51			
110	0.74	0.84	0.78	0.81	0.71	0.76	0.65	0.76	0.68	0.55	0.64	0.53	0.70	0.61	0.74	0.67			
115	0.84	0.95	0.81	0.91	0.77	0.88	0.74	0.88	0.83	0.75	0.76	0.70	0.79	0.72	0.86	0.79			
120	0.93	1.07	0.94	0.99	0.88	0.99	0.85	0.97	0.93	0.79	0.90	0.76	0.91	0.79	0.96	0.94			
125	1.04	1.16	1.02	1.11	0.94	1.08	0.94	1.09	1.04	0.92	0.99	0.88	0.99	0.96	1.06	0.97			
130	1.19	1.24	1.11	1.19	1.05	1.17	1.05	1.17	1.11	0.99	1.07	0.94	1.09	1.00	1.14	1.07			
135	1.22	1.31	1.23	1.28	1.18	1.26	1.15	1.24	1.22	1.05	1.16	1.03	1.15	1.08	1.23	1.17			
140	1.25	1.37	1.25	1.34	1.21	1.32	1.20	1.30	1.29	1.18	1.23	1.19	1.28	1.25	1.32	1.20			
145	1.32	1.45	1.29	1.40	1.26	1.38	1.26	1.39	1.34	1.24	1.33	1.22	1.32	1.28	1.37	1.26			
150	1.43	1.47	1.42	1.45	1.37	1.46	1.30	1.44	1.40	1.27	1.37	1.26	1.38	1.28	1.40	1.32			
155	1.46	1.51	1.48	1.49	1.43	1.54	1.43	1.51	1.46	1.34	1.45	1.35	1.47	1.38	1.47	1.44			
160	1.46	1.60	1.48	1.58	1.47	1.63	1.44	1.57	1.48	1.45	1.51	1.46	1.50	1.46	1.55	1.44			
165	1.52	1.65	1.54	1.66	1.58	1.66	1.53	1.65	1.58	1.47	1.55	1.46	1.58	1.48	1.59	1.47			
170	1.55	1.69	1.60	1.67	1.69	1.67	1.59	1.66	1.63	1.50	1.62	1.52	1.62	1.52	1.62	1.53			
175	1.64	1.66	1.65	1.66	1.70	1.66	1.62	1.66	1.66	1.59	1.65	1.60	1.67	1.58	1.65	1.57			
180	1.58	1.68	1.68	1.66	1.72	1.67	1.62	1.66	1.66	1.68	1.69	1.67	1.70	1.64	1.65	1.62			

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 C Interval: 22.5DEG  
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γ Range: 0 - 180DEG  
 γ Interval: 1.0DEG  
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