











**UGR(Unified Glare Rating) Table**

Test:U:24.00V I:0.6183A P:14.84W PF:1.000 Freq:0Hz Lamp Flux:1635.49x1 lm										
NAME: UB-AS-35K90C-24V					TYPE:LED Strip			WEIGHT:Kg		
SPEC.:14.4W					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	23.8	25.3	24.1	25.5	25.8	24.7	26.2	24.9	26.4	26.6
3H	25.0	26.4	25.3	26.7	27.0	26.3	27.7	26.6	27.9	28.2
4H	25.5	26.8	25.8	27.1	27.4	26.9	28.2	27.3	28.5	28.8
6H	25.7	27.0	26.1	27.3	27.6	27.4	28.7	27.8	29.0	29.3
8H	25.8	27.0	26.2	27.3	27.7	27.6	28.8	28.0	29.1	29.4
12H	25.9	27.0	26.2	27.4	27.7	27.7	28.9	28.1	29.2	29.5
4H 2H	24.4	25.8	24.8	26.0	26.3	25.1	26.4	25.4	26.7	27.0
3H	25.8	27.0	26.2	27.3	27.7	26.9	28.0	27.2	28.4	28.7
4H	26.4	27.4	26.8	27.8	28.1	27.6	28.7	28.0	29.1	29.4
6H	26.7	27.7	27.2	28.1	28.5	28.3	29.2	28.7	29.6	30.0
8H	26.9	27.7	27.3	28.1	28.6	28.5	29.4	28.9	29.8	30.2
12H	26.9	27.8	27.4	28.2	28.6	28.7	29.5	29.1	29.9	30.3
8H 4H	26.6	27.5	27.1	27.9	28.3	27.8	28.7	28.2	29.1	29.5
6H	27.1	27.9	27.6	28.3	28.8	28.5	29.3	29.0	29.7	30.1
8H	27.3	28.0	27.8	28.4	28.9	28.8	29.5	29.3	29.9	30.4
12H	27.5	28.1	28.0	28.5	29.0	29.1	29.7	29.6	30.1	30.7
12H 4H	26.6	27.4	27.1	27.9	28.3	27.8	28.6	28.2	29.0	29.4
6H	27.2	27.8	27.7	28.3	28.8	28.5	29.2	29.0	29.6	30.1
8H	27.4	28.0	27.9	28.5	29.0	28.9	29.4	29.4	29.9	30.4
Variations with the observer position at spacings:										
S = 1.0H	+ 0.2 / - 0.2					+ 0.1 / - 0.2				
1.5H	+ 0.2 / - 0.4					+ 0.2 / - 0.2				
2.0H	+ 0.2 / - 0.3					+ 0.2 / - 0.3				

CIE Pub.117, 1635 lm Total Lamp Luminous Flux Correct (8log(F/F0) = 1.7)

C Range: 0 - 360DEG  
 C Interval: 22.5DEG  
 Test Speed: HIGH  
 Temperature:25.0DEG  
 Test Date:2019-8-1

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]

**UTILIZATION FACTORS TABLE**

Test:U:24.00V I:0.6183A P:14.84W PF:1.000 Freq:0Hz Lamp Flux:1635.49x1 lm		
NAME: UB-AS-35K90C-24V	TYPE:LED Strip	WEIGHT:Kg
SPEC.:14.4W	DIM.: 1000*10*2(MM)	SERIAL No.:001
MFR.: Flexfire LEDs, Inc.	SUR.:1000*10(MM)	Shielding Angle:120

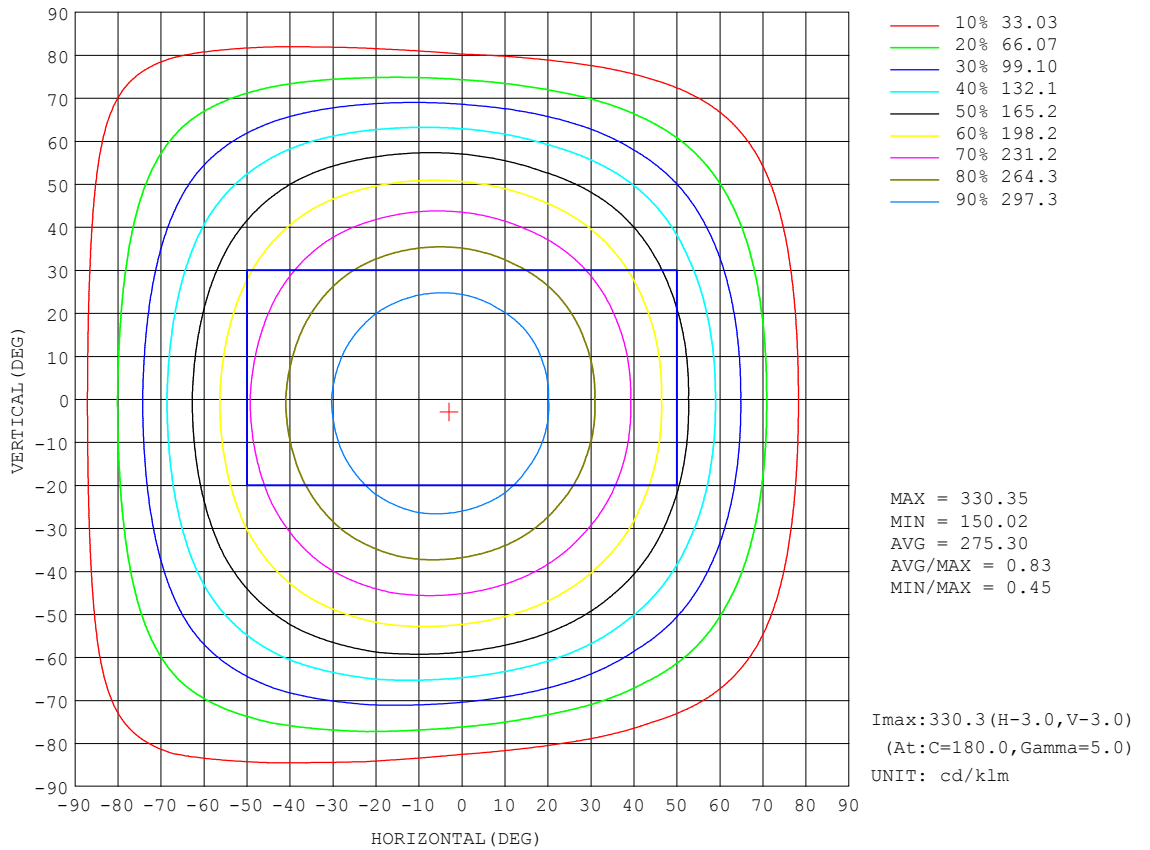
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS (PERCENT) $k(RI) \times RCR = 5$									
k = 0.60	56	44	37	55	44	37	54	44	37	31
0.80	66	54	47	65	54	47	63	53	46	39
1.00	75	63	56	73	63	56	71	64	55	48
1.25	82	71	64	80	70	63	77	69	62	55
1.50	87	77	69	85	76	69	82	74	68	60
2.00	94	85	78	92	84	77	88	81	76	67
2.50	98	90	83	96	88	82	91	85	80	72
3.00	101	94	88	99	92	87	95	89	85	76
4.00	105	99	94	103	97	93	98	94	90	81
5.00	108	103	98	105	101	97	100	97	93	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:2019-8-1

$\gamma$  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]

**ISOCANDELA DIAGRAM**

Test:U:24.00V I:0.6183A P:14.84W PF:1.000 Freq:0Hz Lamp Flux:1635.49x1 lm		
NAME: UB-AS-35K90C-24V	TYPE: LED Strip	WEIGHT:Kg
SPEC.:14.4W	DIM.: 1000*10*2 (MM)	SERIAL No.:001
MFR.: Flexfire LEDs, Inc.	SUR.:1000*10 (MM)	Shielding Angle:120



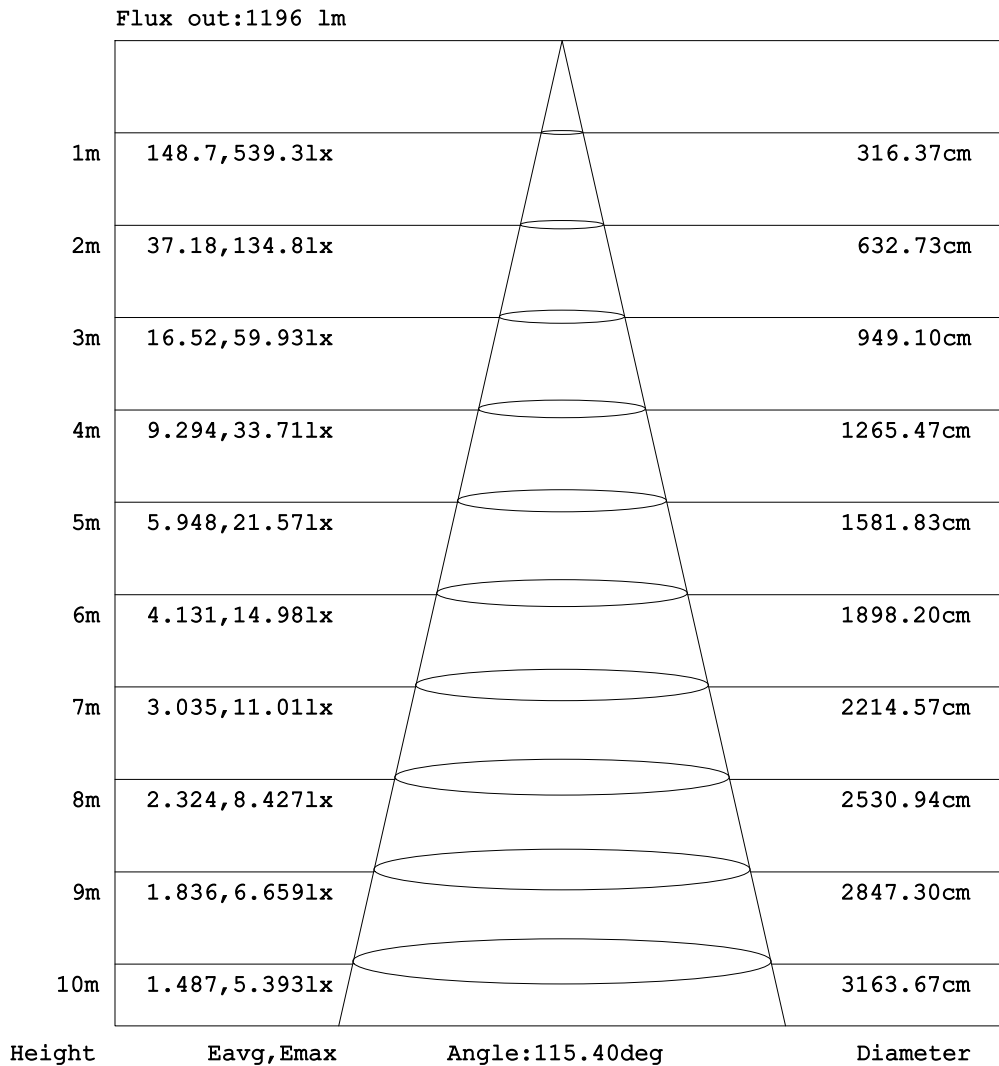
C Range: 0 - 360DEG  
 C Interval: 22.5DEG  
 Test Speed: HIGH  
 Temperature:25.0DEG  
 Test Date:2019-8-1

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]



**AAI Figure**

Test:U:24.00V I:0.6183A P:14.84W PF:1.000 Freq:0Hz Lamp Flux:1635.49x1 lm		
NAME: UB-AS-35K90C-24V	TYPE: LED Strip	WEIGHT:Kg
SPEC.:14.4W	DIM.: 1000*10*2(MM)	SERIAL No.:001
MFR.: Flexfire LEDs, Inc.	SUR.:1000*10(MM)	Shielding Angle:120



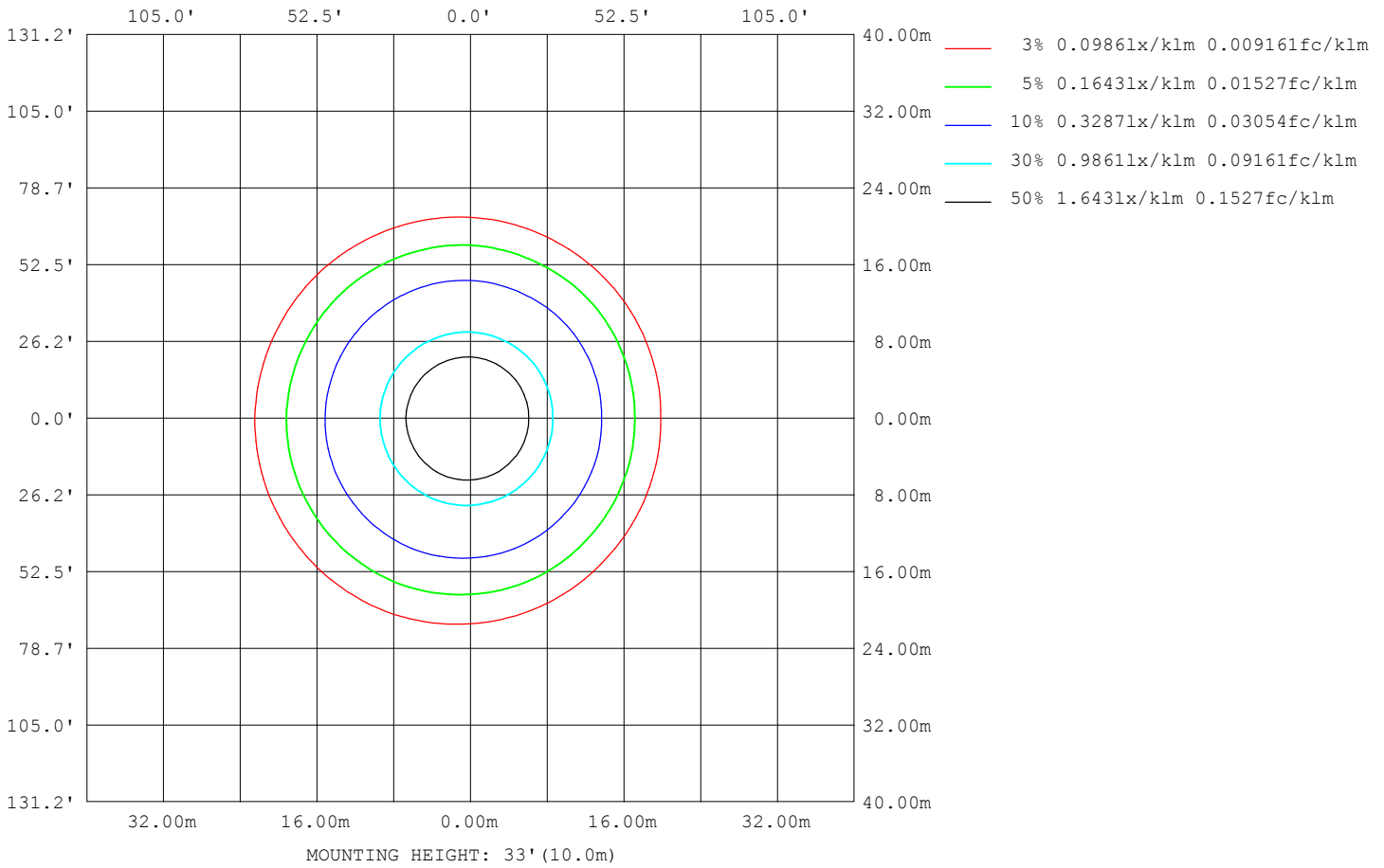
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG  
 C Interval: 22.5DEG  
 Test Speed: HIGH  
 Temperature:25.0DEG  
 Test Date:2019-8-1

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]

**ISOLUX DIAGRAM**

Test:U:24.00V I:0.6183A P:14.84W PF:1.000 Freq:0Hz Lamp Flux:1635.49x1 lm		
NAME: UB-AS-35K90C-24V	TYPE: LED Strip	WEIGHT:Kg
SPEC.:14.4W	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:2019-8-1

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]

**LED Avg.L Report**

Test:U:24.00V I:0.6183A P:14.84W PF:1.000 Freq:0Hz Lamp Flux:1635.49x1 lm		
NAME: UB-AS-35K90C-24V	TYPE: LED Strip	WEIGHT:Kg
SPEC.:14.4W	DIM.: 1000*10*2 (MM)	SERIAL No.:001
MFR.: Flexfire LEDs, Inc.	SUR.:1000*10 (MM)	Shielding Angle:120

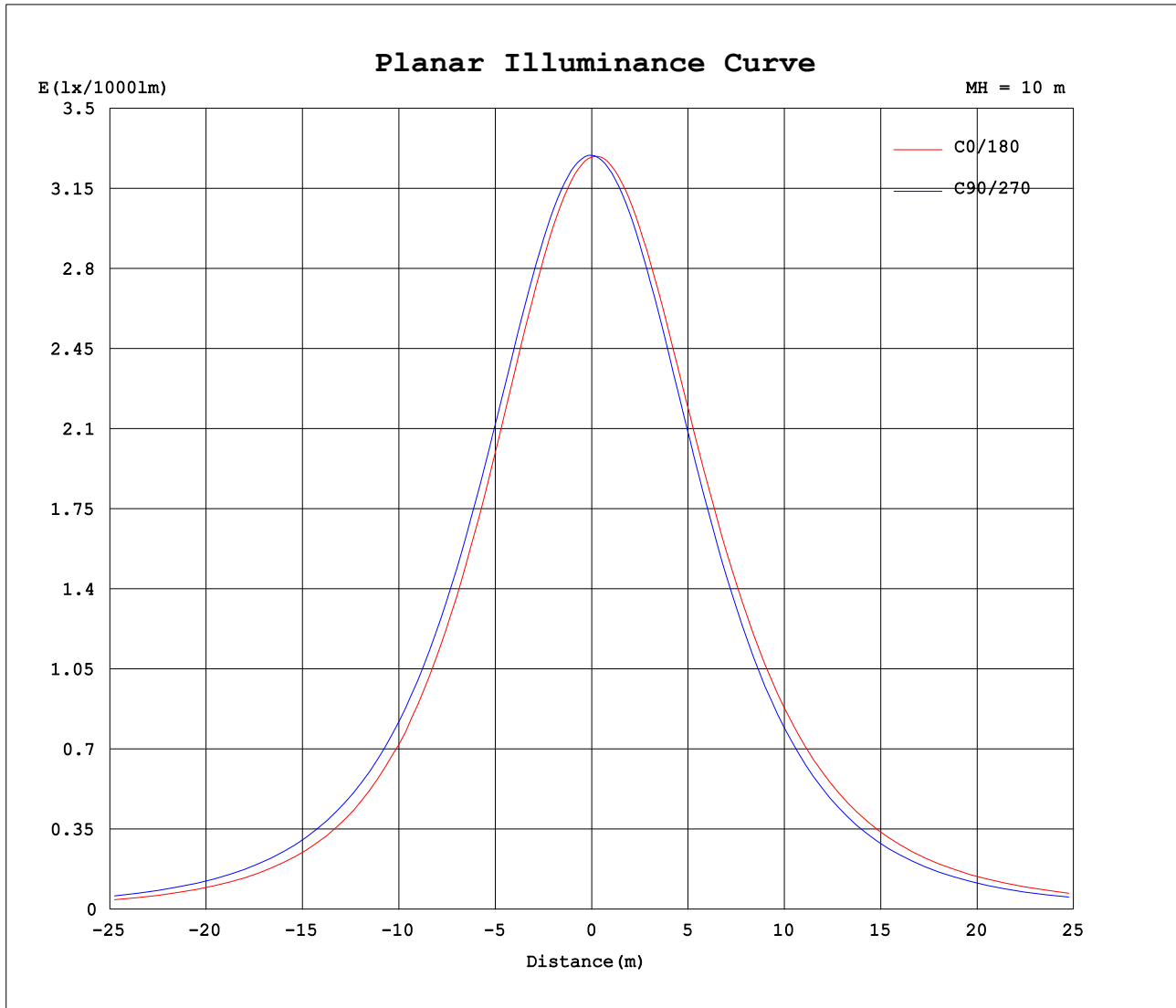
AvgL	cd/m2
L_0~180 (65) av	48617
L_0~180 (75) av	44679
L_0~180 (85) av	50595
L_90~270 (65) av	48399
L_90~270 (75) av	42556
L_90~270 (85) av	31862
L_45 (65) av	48401
L_45 (75) av	43621
L_45 (85) av	44158

Standard: GB/T 29293-2012

C Range: 0 - 360DEG  
 C Interval: 22.5DEG  
 Test Speed: HIGH  
 Temperature:25.0DEG  
 Test Date:2019-8-1

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]

**Planar Illuminance Curve**



C Range: 0 - 360DEG  
 C Interval: 22.5DEG  
 Test Speed: HIGH  
 Temperature: 25.0DEG  
 Test Date: 2019-8-1

$\gamma$  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]

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:24.00V I:0.6183A P:14.84W PF:1.000 Freq:0Hz Lamp Flux:1635.49x1 lm		
NAME: UB-AS-35K90C-24V	TYPE:LED Strip	WEIGHT:Kg
SPEC.:14.4W	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	329	329	329	329	329	329	329	329	329	329	329	329	329	329	329	329			
5	325	326	326	327	328	329	330	330	331	330	329	328	327	326	326	325			
10	319	319	321	323	325	327	328	329	329	328	327	325	323	321	320	319			
15	309	311	313	316	319	322	324	325	325	324	322	319	316	313	312	310			
20	298	300	303	307	311	315	317	319	319	317	314	311	307	303	301	299			
25	284	286	290	295	300	305	308	309	310	308	304	300	295	291	288	285			
30	268	270	274	280	286	292	296	298	299	296	292	286	281	276	272	269			
35	249	252	257	264	271	278	282	284	285	281	277	270	264	258	254	251			
40	228	232	237	245	252	260	265	268	268	264	259	252	245	239	234	230			
45	204	209	215	223	232	241	246	249	249	245	239	231	224	217	211	208			
50	180	183	191	200	209	219	225	228	228	223	217	209	201	193	188	183			
55	153	157	165	175	185	195	201	205	205	200	193	184	176	166	162	156			
60	126	129	136	148	158	169	176	179	180	174	167	157	149	139	134	129			
65	98.3	102	108	119	131	142	149	153	153	147	139	129	120	111	104	100			
70	71.0	73.5	79.8	90.7	102	113	120	124	124	118	110	99.7	90.5	82.9	76.8	72.9			
75	46.4	48.4	53.1	61.4	72.9	84.1	91.6	94.9	95.0	89.1	80.8	71.0	61.7	54.2	50.7	47.8			
80	26.6	28.4	30.5	37.1	45.7	56.4	63.1	66.8	66.7	60.7	52.9	43.7	34.1	30.2	28.4	27.3			
85	12.0	13.5	14.2	16.8	22.1	31.7	37.8	41.7	41.9	36.7	29.9	21.5	11.9	12.5	12.2	12.1			
90	3.52	4.50	4.95	5.13	2.81	13.1	18.9	22.8	23.3	19.4	14.0	7.77	0.49	2.96	3.52	3.26			
95	1.38	1.87	2.01	1.56	0.69	4.11	8.24	11.2	11.9	9.35	5.85	2.31	0.66	1.22	1.30	1.17			
100	1.17	1.35	1.32	1.00	0.90	1.54	2.96	4.43	4.73	3.58	2.10	1.17	0.84	0.92	1.18	1.13			
105	1.32	1.33	1.22	1.17	1.12	1.11	1.53	1.60	1.48	1.37	1.30	0.96	1.05	1.11	1.16	1.14			
110	1.47	1.45	1.40	1.37	1.33	1.27	1.36	1.28	0.90	1.13	1.15	1.12	1.26	1.31	1.31	1.25			
115	1.65	1.63	1.58	1.58	1.54	1.49	1.42	1.39	1.06	1.18	1.22	1.33	1.47	1.51	1.51	1.43			
120	1.84	1.82	1.74	1.78	1.75	1.69	1.60	1.54	1.24	1.30	1.42	1.55	1.67	1.70	1.70	1.66			
125	2.02	2.01	1.97	1.97	1.94	1.89	1.80	1.73	1.42	1.49	1.63	1.76	1.86	1.88	1.89	1.87			
130	2.20	2.19	2.17	2.16	2.12	2.08	2.00	1.92	1.61	1.68	1.83	1.95	2.04	2.05	2.06	2.05			
135	2.36	2.35	2.33	2.32	2.29	2.26	2.18	2.11	1.81	1.87	2.02	2.13	2.21	2.21	2.22	2.22			
140	2.52	2.51	2.49	2.47	2.45	2.41	2.34	2.29	2.01	2.06	2.20	2.30	2.37	2.35	2.38	2.39			
145	2.69	2.67	2.65	2.63	2.60	2.57	2.51	2.47	2.22	2.26	2.39	2.48	2.53	2.53	2.54	2.56			
150	2.83	2.81	2.79	2.77	2.74	2.71	2.66	2.65	2.42	2.44	2.58	2.63	2.67	2.67	2.69	2.73			
155	2.94	2.92	2.91	2.89	2.85	2.82	2.79	2.78	2.60	2.60	2.71	2.74	2.77	2.77	2.81	2.84			
160	3.03	3.01	3.00	2.97	2.92	2.91	2.89	2.90	2.76	2.72	2.84	2.86	2.87	2.87	2.90	2.95			
165	3.11	3.08	3.07	3.03	2.98	2.98	2.97	2.99	2.88	2.87	2.94	2.94	2.95	2.94	2.98	3.03			
170	3.14	3.11	3.11	3.08	3.04	3.03	3.03	3.08	2.98	2.94	3.02	3.01	3.03	3.01	3.04	3.08			
175	3.15	3.11	3.13	3.09	3.07	3.07	3.07	3.13	3.04	3.01	3.06	3.05	3.05	3.05	3.06	3.11			
180	3.09	3.06	3.10	3.08	3.07	3.06	3.08	3.12	3.08	3.05	3.09	3.08	3.07	3.05	3.08	3.11			

C Range: 0 - 360DEG  
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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]