

UTILIZATION FACTORS TABLE

Test:U:24.00V I:0.5997A P:14.39W PF:1.000 Freq:0Hz Lamp Flux:1629.47x1 lm		
NAME: UB-AS-50K90C-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

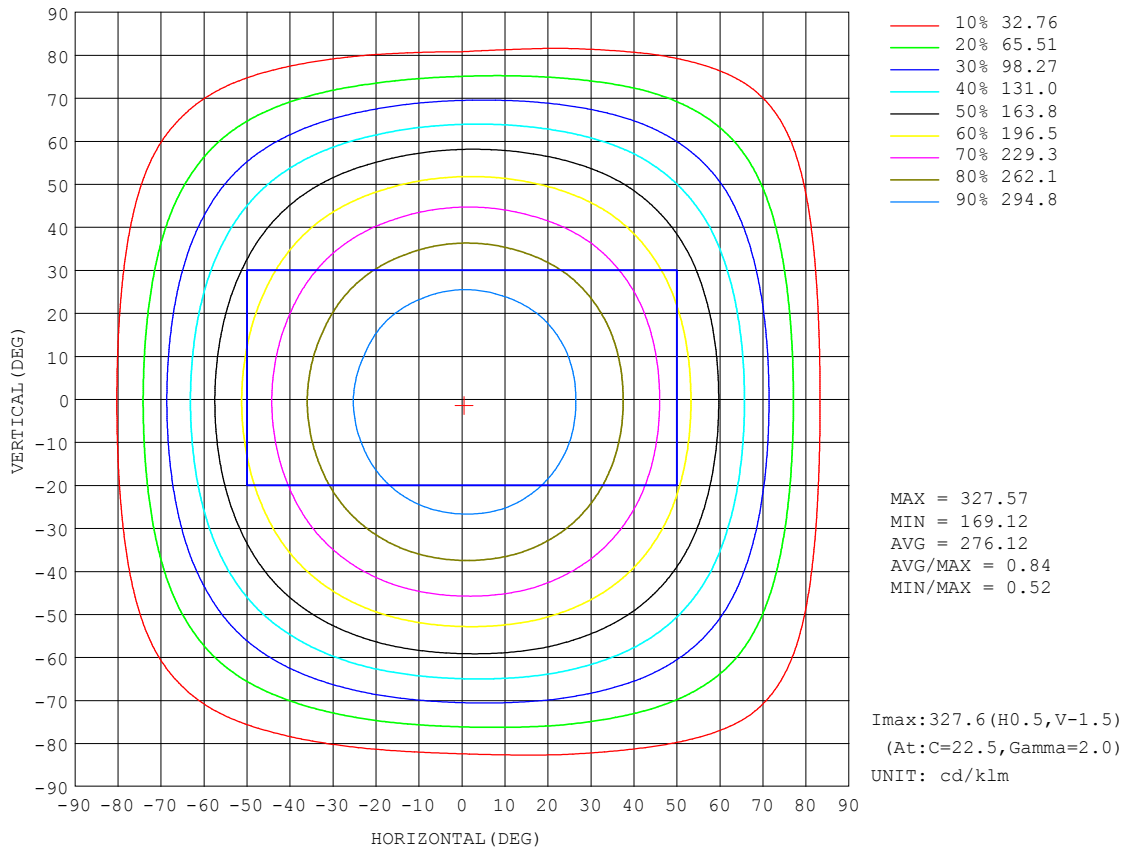
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS (PERCENT) $k(RI) \times RCR = 5$									
k = 0.60	56	45	37	55	44	37	54	44	37	31
0.80	66	54	47	65	54	47	63	53	46	39
1.00	75	63	56	73	63	56	71	64	55	48
1.25	82	71	64	80	70	63	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	88	83	92	86	81	72
3.00	101	94	89	99	93	87	95	90	85	76
4.00	105	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:2019-8-1

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]

ISOCANDELA DIAGRAM

Test:U:24.00V I:0.5997A P:14.39W PF:1.000 Freq:0Hz Lamp Flux:1629.47x1 lm		
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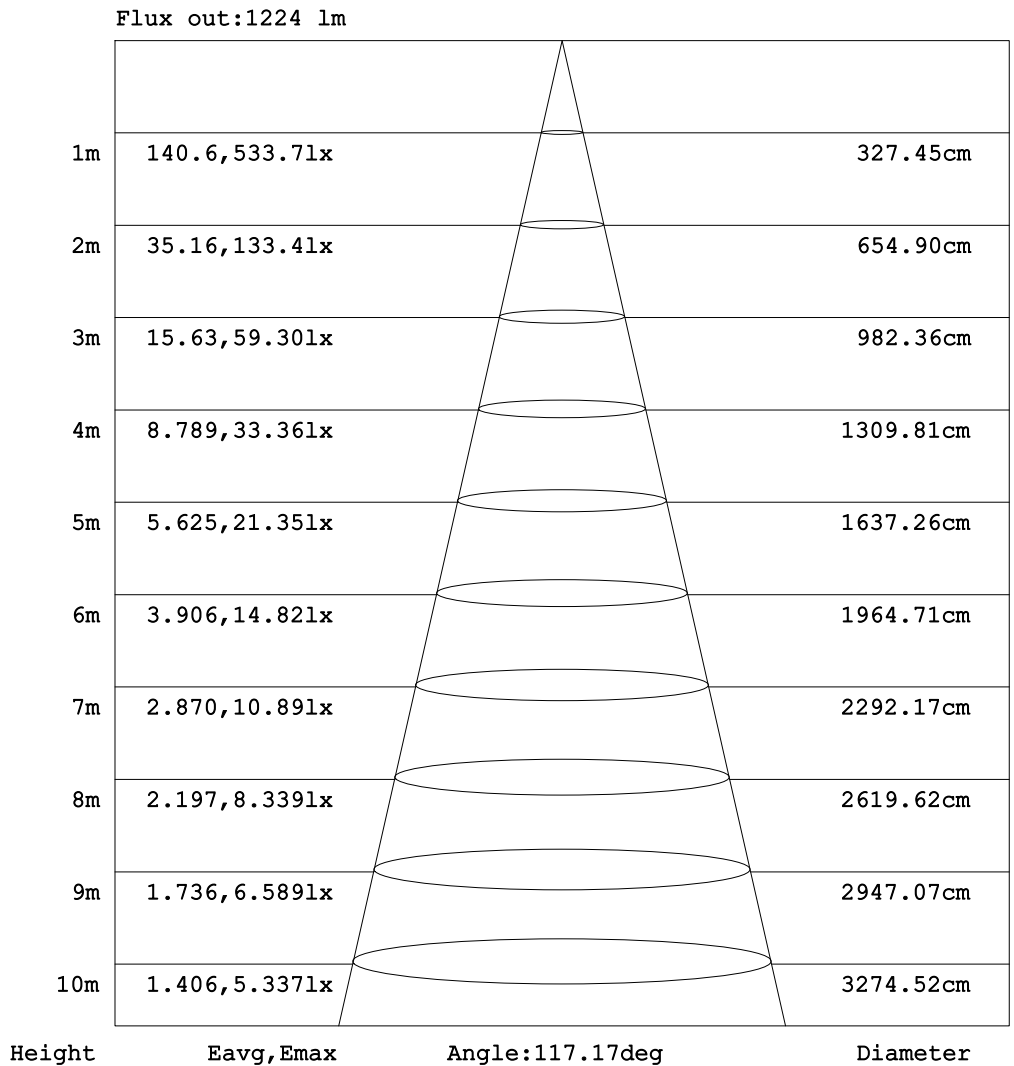


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AAI Figure

Test:U:24.00V I:0.5997A P:14.39W PF:1.000 Freq:0Hz Lamp Flux:1629.47x1 lm		
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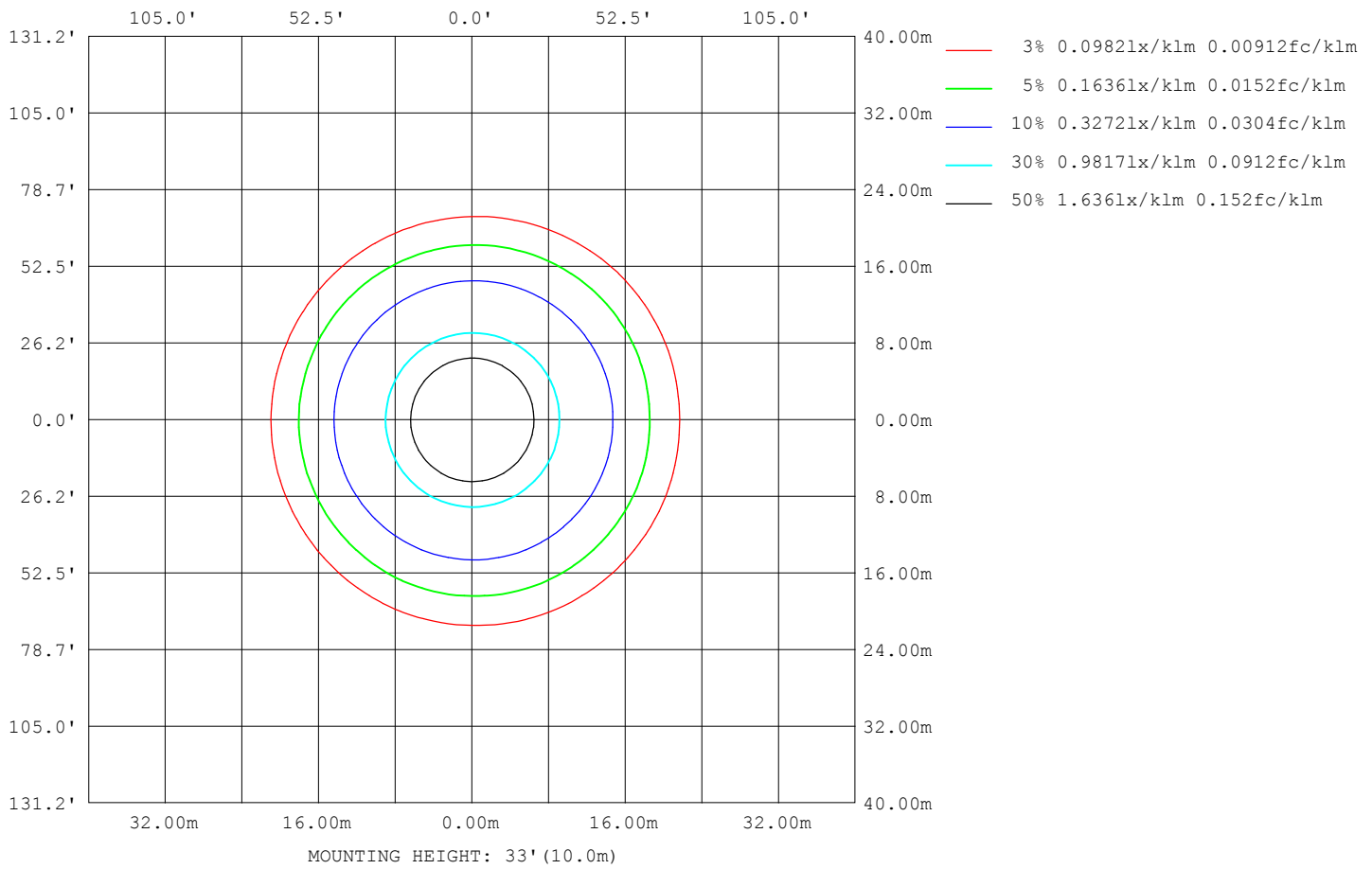
Note: The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

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ISOLUX DIAGRAM

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SPEC.:14.4W	DIM.: 1000*10*2 (MM)	SERIAL No.:001
MFR.: Flexfire LEDs, Inc.	SUR.:1000*10 (MM)	Shielding Angle:120



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LED Avg.L Report

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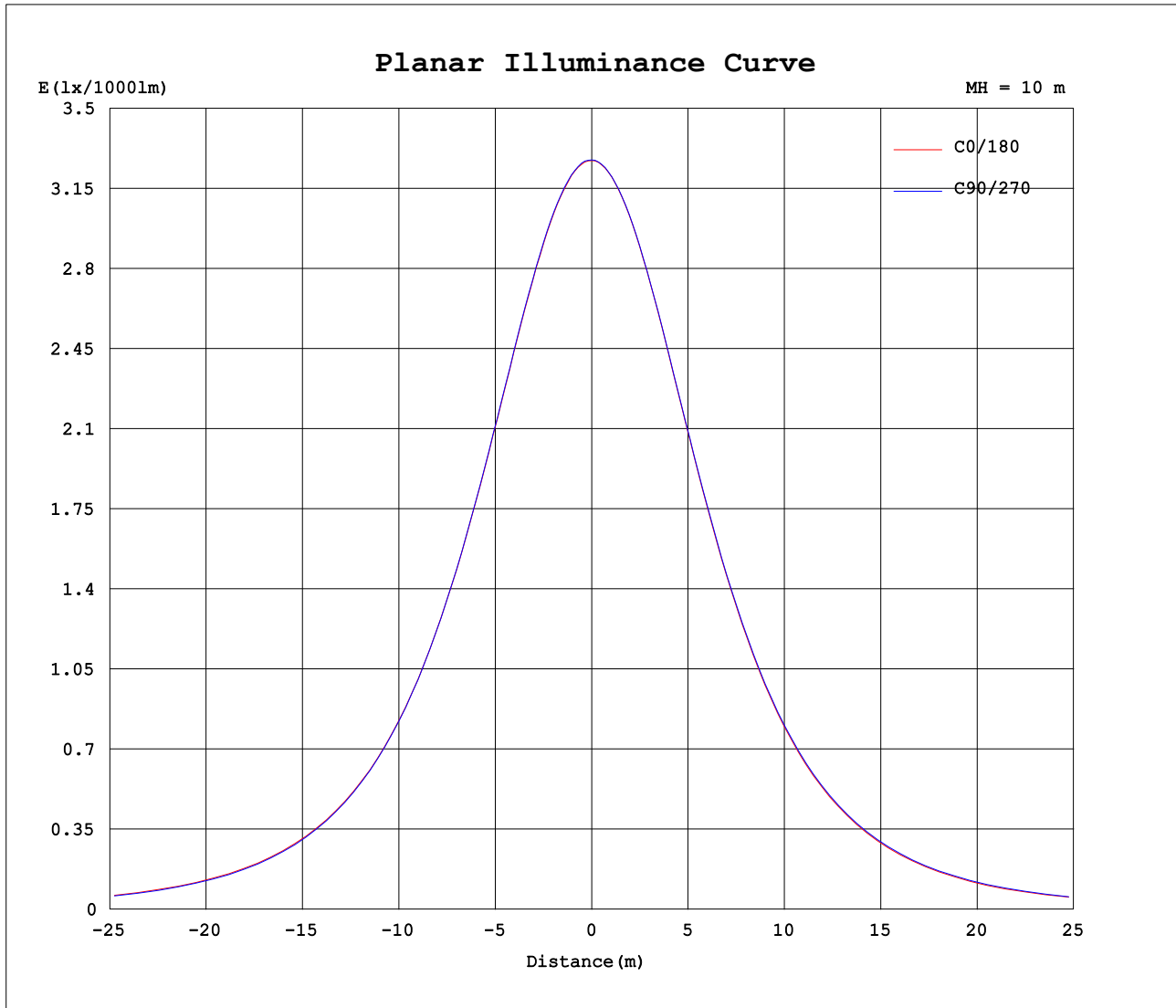
AvgL	cd/m2
L_0~180 (65) av	49167
L_0~180 (75) av	43507
L_0~180 (85) av	35805
L_90~270 (65) av	49168
L_90~270 (75) av	43419
L_90~270 (85) av	31369
L_45 (65) av	49351
L_45 (75) av	43724
L_45 (85) av	36853

Standard: GB/T 29293-2012

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Planar Illuminance Curve



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LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:24.00V I:0.5997A P:14.39W PF:1.000 Freq:0Hz Lamp Flux:1629.47x1 lm		
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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	327	327	327	327	327	327	327	327	327	327	327	327	327	327	327	327			
5	326	327	327	327	327	326	326	326	326	326	326	326	326	326	326	326			
10	323	323	323	324	323	323	322	322	322	322	322	322	322	322	323	323			
15	317	318	318	318	318	317	316	316	316	315	315	315	316	316	317	317			
20	309	310	310	310	310	309	308	307	307	306	306	306	307	307	309	309			
25	299	299	300	300	299	298	297	296	296	295	295	295	296	296	298	299			
30	286	287	287	287	286	285	283	282	282	281	281	281	282	283	285	286			
35	270	272	272	272	271	270	267	266	266	264	265	265	267	268	270	271			
40	253	255	254	254	253	251	249	247	247	246	246	246	248	250	252	253			
45	233	235	235	235	233	231	228	226	226	225	225	225	228	229	232	234			
50	212	213	213	213	210	208	205	203	203	201	202	202	205	207	210	212			
55	188	190	189	189	186	184	180	178	177	176	176	177	180	183	186	188			
60	162	164	163	162	159	157	153	150	150	148	149	150	153	156	161	163			
65	135	137	136	135	131	128	124	121	120	119	119	121	124	128	133	135			
70	106	108	107	105	102	98.1	94.0	90.6	90.1	88.7	89.3	91.3	94.9	99.3	104	107			
75	77.5	78.4	78.1	76.1	72.3	68.9	64.3	61.1	60.7	59.1	60.5	62.3	65.6	70.4	74.9	77.4			
80	49.3	50.7	49.7	48.9	44.7	41.9	37.4	34.6	34.0	32.8	34.2	36.1	37.1	43.5	47.2	49.4			
85	25.0	26.6	25.8	24.3	21.3	19.2	15.8	13.8	13.3	12.8	13.7	14.6	12.3	20.3	23.6	25.2			
90	8.06	8.82	8.35	7.22	2.04	4.61	3.29	2.14	1.57	1.91	2.75	3.05	0.46	5.51	7.36	8.40			
95	2.66	2.82	2.57	1.68	0.68	1.27	1.54	1.13	0.67	1.05	1.38	0.97	0.61	1.44	2.50	2.80			
100	1.09	1.30	1.29	0.87	0.87	0.91	1.15	1.13	0.79	1.02	0.99	0.79	0.79	0.80	1.14	1.06			
105	1.01	1.10	1.08	1.04	1.09	1.13	1.12	1.14	0.93	0.98	0.98	1.00	0.99	0.93	0.96	0.93			
110	1.17	1.19	1.18	1.24	1.30	1.35	1.33	1.30	1.08	1.13	1.19	1.22	1.20	1.13	1.07	0.99			
115	1.36	1.35	1.37	1.45	1.51	1.55	1.54	1.51	1.29	1.34	1.42	1.44	1.41	1.33	1.26	1.16			
120	1.56	1.56	1.54	1.65	1.71	1.76	1.74	1.72	1.50	1.56	1.64	1.65	1.62	1.54	1.46	1.39			
125	1.76	1.77	1.77	1.85	1.91	1.95	1.94	1.92	1.70	1.77	1.85	1.85	1.82	1.72	1.66	1.61			
130	1.95	1.96	1.98	2.03	2.09	2.13	2.13	2.12	1.89	1.95	2.04	2.04	2.00	1.91	1.85	1.81			
135	2.13	2.14	2.16	2.20	2.26	2.30	2.29	2.29	2.08	2.14	2.22	2.23	2.18	2.09	2.03	2.00			
140	2.32	2.32	2.33	2.37	2.42	2.45	2.45	2.45	2.25	2.30	2.39	2.38	2.34	2.26	2.21	2.19			
145	2.50	2.50	2.51	2.54	2.57	2.60	2.61	2.62	2.44	2.47	2.56	2.54	2.51	2.44	2.39	2.39			
150	2.67	2.66	2.67	2.68	2.71	2.74	2.75	2.77	2.61	2.63	2.71	2.68	2.66	2.60	2.57	2.57			
155	2.81	2.80	2.80	2.81	2.82	2.85	2.86	2.88	2.77	2.75	2.82	2.79	2.77	2.72	2.71	2.73			
160	2.92	2.91	2.91	2.90	2.90	2.93	2.95	2.98	2.90	2.85	2.93	2.89	2.87	2.81	2.82	2.85			
165	3.02	3.00	2.99	2.98	2.97	3.00	3.01	3.06	2.99	2.95	3.01	2.98	2.95	2.91	2.92	2.95			
170	3.09	3.06	3.05	3.03	3.02	3.04	3.05	3.11	3.06	3.01	3.07	3.03	3.02	2.97	2.99	3.02			
175	3.12	3.09	3.09	3.07	3.06	3.05	3.09	3.14	3.09	3.04	3.08	3.05	3.04	3.02	3.02	3.05			
180	3.11	3.06	3.10	3.06	3.05	3.02	3.06	3.09	3.11	3.06	3.09	3.06	3.05	3.04	3.06	3.09			

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