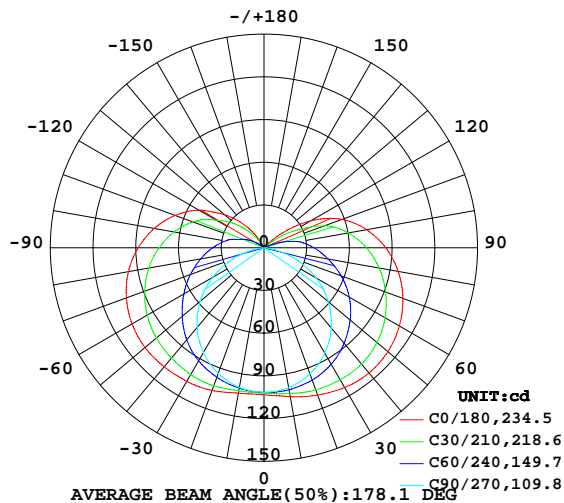


## LUMINAIRE PHOTOMETRIC TEST REPORT

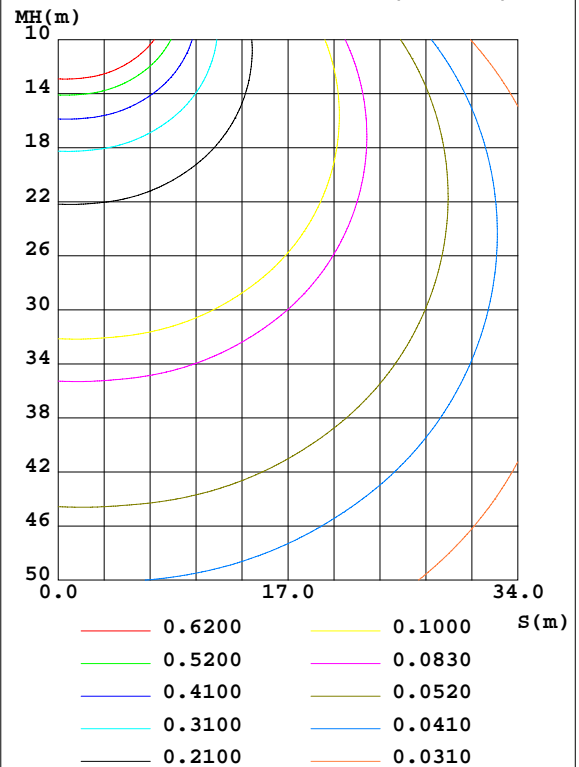
Test:U:24.01V I:0.4629A P:11.11W PF:1.0000 Freq:0Hz Lamp Flux:627.023x1 lm		
NAME: LED Strip	TYPE:Indoor lighting	WEIGHT:20g
SPEC.:2835 180LED	DIM.: 1000*15*15mm	SERIAL No.:201709028001
MFR.: EVERFINE	SUR.:1000*15mm	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 56.43 lm/W			
MODEL:SL102T28WW180T-24(WCP)		Imax(cd)	114.8	S/MH(C0/180)	1.61
NOMINAL POWER(W)	11.01	LOR(%)	100.0	S/MH(C90/270)	1.25
RATED VOLTAGE(V)	DC 24	TOTAL FLUX(lm)	627.02	$\eta$ UP,DN(C0-180)	10.4,39.6
NOMINAL FLUX(lm)	627.023	CIE CLASS	SEMI-D.	$\eta$ UP,DN(C180-360)	10.6,39.3
LAMPS INSIDE	1	$\eta$ up(%)	21.0	CIBSE SHR NOM	1.50
TEST VOLTAGE(V)	24	$\eta$ down(%)	79.0	CIBSE SHR MAX	1.55

LUMINOUS INTENSITY DISTRIBUTION DIAGRAM



C0 PLANE ISOLUX DIAGRAM (UNIT:lx)



C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:DAMIN  
Test Date:2017-09-28

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.362  
Humidity:65.0%  
Test Distance:4.950m [K=1.0000]  
Remarks:

## ZONAL FLUX DIAGRAM

## ZONAL FLUX DIAGRAM:

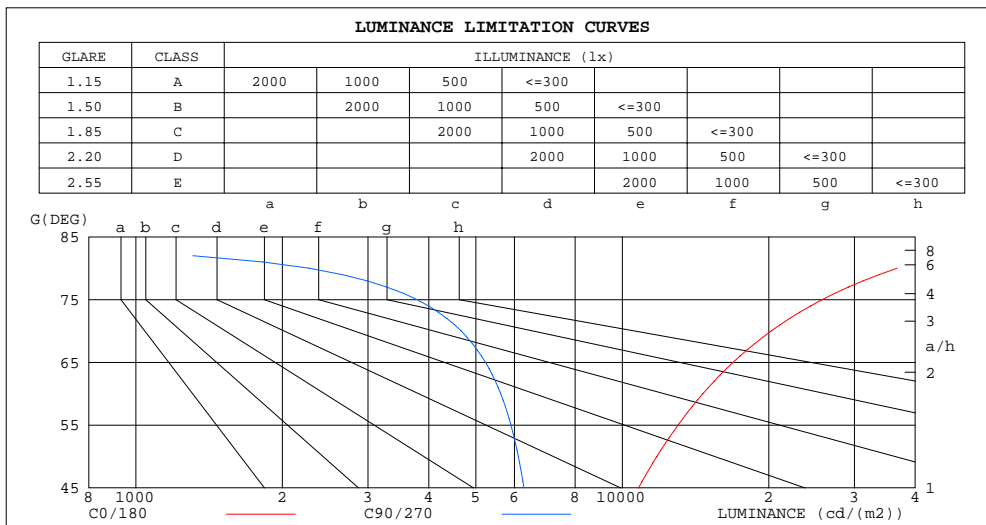
$\gamma$	C0	C45	C90	C135	C180	C225	C270	C315	$\gamma$	$\Phi$ zone	$\Phi$ total	$\%lum, lamp$
10	106.2	102.6	99.73	101.8	103.7	101.1	99.54	102.9	0- 10	9.750	9.750	1.55,1.55
20	110.1	102.8	94.31	101.0	106.6	100.0	93.95	102.9	10- 20	28.86	38.61	6.16,6.16
30	113.4	101.2	85.45	98.78	108.4	97.73	84.99	101.1	20- 30	46.37	84.98	13.6,13.6
40	114.8	97.94	73.54	94.18	109.1	93.13	73.04	97.62	30- 40	60.69	145.7	23.2,23.2
50	113.5	92.76	58.93	88.72	109.0	87.58	58.42	92.52	40- 50	70.60	216.3	34.5,34.5
60	109.8	85.27	42.16	82.53	107.0	81.24	41.72	85.39	50- 60	75.30	291.6	46.5,46.5
70	103.8	76.25	23.92	75.01	102.8	73.91	23.59	76.37	60- 70	74.57	366.1	58.4,58.4
80	95.64	66.61	5.913	66.98	96.65	65.80	5.758	66.63	70- 80	69.03	435.2	69.4,69.4
90	85.50	56.07	0	57.74	88.33	57.08	0	53.16	80- 90	60.09	495.3	79,79
100	73.22	44.89	0	48.26	78.31	47.94	0	40.65	90-100	49.58	544.8	86.9,86.9
110	58.25	27.39	0	38.41	66.39	37.93	0	26.73	100-110	38.12	583.0	93,93
120	37.95	9.999	0	25.36	52.87	25.30	0	9.054	110-120	25.12	608.1	97,97
130	14.53	0	0	14.16	36.14	14.01	0	0	120-130	12.89	621.0	99,99
140	0	0	0	3.268	20.13	3.086	0	0	130-140	4.827	625.8	99.8,99.8
150	0	0	0	0	4.809	0	0	0	140-150	1.190	627.0	100,100
160	0	0	0	0	0	0	0	0	150-160	0.0392	627.0	100,100
170	0	0	0	0	0	0	0	0	160-170	0	627.0	100,100
180	0	0	0	0	0	0	0	0	170-180	0	627.0	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:DAMIN  
 Test Date:2017-09-28

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
 $\gamma$  Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.362  
 Humidity:65.0%  
 Test Distance:4.950m [K=1.0000]  
 Remarks:

## LUMINANCE LIMITATION CURVES

Test:U:24.01V I:0.4629A P:11.11W PF:1.0000 Freq:0Hz Lamp Flux:627.023x1 lm		
NAME: LED Strip	TYPE:Indoor lighting	WEIGHT:20g
SPEC.:2835 180LED	DIM.: 1000*15*15mm	SERIAL No.:201709028001
MFR.: EVERFINE	SUR.:1000*15mm	Shielding Angle:



LUMINANCE cd/(m2)		
G(DEG)	C0/180	C90/270
85	69431	0
80	36720	2270
75	25759	3784
70	20230	4662
65	16889	5232
60	14638	5622
55	13014	5902
50	11776	6112
45	10794	6273

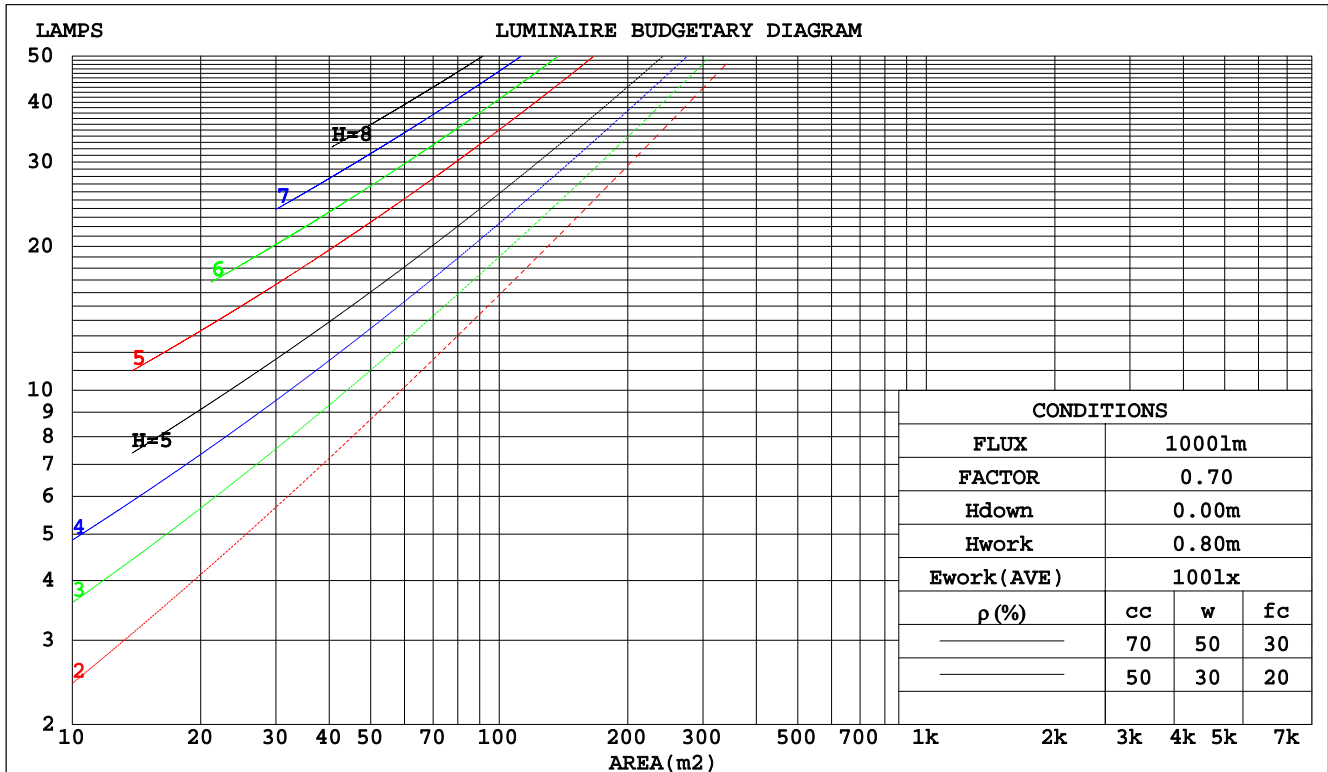
C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:DAMIN  
Test Date:2017-09-28

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.362  
Humidity:65.0%  
Test Distance:4.950m [K=1.0000]  
Remarks:

## CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:24.01V I:0.4629A P:11.11W PF:1.0000 Freq:0Hz Lamp Flux:627.023x1 lm		
NAME: LED Strip	TYPE:Indoor lighting	WEIGHT:20g
SPEC.:2835 180LED	DIM.: 1000*15*15mm	SERIAL No.:201709028001
MFR.: EVERFINE	SUR.:1000*15mm	Shielding Angle:

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						Coefficients of Utilization(CU)									
0.0	1.14	1.14	1.14	1.09	1.09	1.09	.99	.99	.99	.91	.91	.91	.83	.83	.83	.79
1.0	.93	.87	.82	.89	.84	.79	.80	.76	.72	.73	.70	.66	.66	.63	.61	.57
2.0	.79	.71	.64	.75	.68	.61	.68	.62	.56	.61	.56	.52	.55	.51	.48	.44
3.0	.68	.58	.51	.65	.56	.49	.59	.51	.45	.53	.47	.42	.48	.43	.39	.35
4.0	.59	.49	.42	.57	.47	.40	.51	.44	.38	.46	.40	.35	.42	.37	.32	.29
5.0	.52	.43	.35	.50	.41	.34	.45	.38	.32	.41	.35	.30	.37	.32	.27	.24
6.0	.47	.37	.30	.45	.36	.29	.41	.33	.27	.37	.30	.25	.33	.28	.24	.21
7.0	.42	.33	.26	.40	.32	.25	.37	.29	.24	.33	.27	.22	.30	.25	.21	.18
8.0	.38	.29	.23	.36	.28	.22	.33	.26	.21	.30	.24	.20	.28	.22	.18	.16
9.0	.35	.26	.20	.33	.25	.20	.31	.24	.19	.28	.22	.17	.26	.20	.16	.14
10.0	.32	.24	.18	.31	.23	.18	.28	.21	.17	.26	.20	.16	.24	.18	.15	.13



C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:DAMIN  
 Test Date:2017-09-28

γ Range: 0 - 180DEG  
 γ Interval: 1.0DEG  
 Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.362  
 Humidity:65.0%  
 Test Distance:4.950m [K=1.0000]  
 Remarks:

## WEC AND CCEC

Test:U:24.01V I:0.4629A P:11.11W PF:1.0000 Freq:0Hz Lamp Flux:627.023x1 lm		
NAME: LED Strip	TYPE:Indoor lighting	WEIGHT:20g
SPEC.:2835 180LED	DIM.: 1000*15*15mm	SERIAL No.:201709028001
MFR.: EVERFINE	SUR.:1000*15mm	Shielding Angle:

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	.418	.238	.075	.405	.231	.073	.379	.217	.069	.355	.205	.066	.334	.193	.062		
2.0	.354	.194	.060	.342	.188	.058	.318	.177	.055	.297	.167	.052	.277	.157	.049		
3.0	.311	.165	.050	.299	.160	.048	.278	.151	.046	.259	.142	.043	.241	.133	.041		
4.0	.277	.144	.042	.267	.140	.041	.248	.131	.039	.230	.124	.037	.213	.116	.035		
5.0	.250	.128	.037	.241	.124	.036	.224	.116	.034	.207	.109	.033	.192	.103	.031		
6.0	.228	.114	.033	.220	.111	.032	.204	.105	.030	.189	.098	.029	.175	.092	.027		
7.0	.210	.104	.029	.202	.101	.029	.188	.095	.027	.174	.089	.026	.161	.084	.025		
8.0	.194	.095	.027	.187	.092	.026	.174	.087	.025	.161	.082	.024	.149	.077	.022		
9.0	.180	.087	.024	.174	.085	.024	.161	.080	.023	.150	.075	.021	.139	.070	.020		
10.0	.168	.081	.022	.162	.078	.022	.151	.074	.021	.140	.070	.020	.130	.065	.019		

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	.351	.351	.351	.300	.300	.300	.205	.205	.205	.117	.117	.117	.038	.038	.038	
1.0	.349	.317	.287	.299	.272	.247	.204	.187	.171	.118	.108	.099	.038	.035	.032	
2.0	.343	.294	.253	.294	.253	.219	.201	.175	.153	.116	.102	.089	.037	.033	.029	
3.0	.336	.278	.232	.288	.240	.201	.198	.167	.141	.114	.097	.083	.037	.032	.027	
4.0	.328	.266	.218	.281	.230	.190	.193	.160	.134	.112	.094	.079	.036	.031	.026	
5.0	.320	.256	.209	.275	.222	.182	.189	.155	.128	.110	.091	.076	.035	.030	.025	
6.0	.312	.248	.202	.269	.215	.176	.185	.150	.125	.107	.089	.074	.035	.029	.024	
7.0	.305	.242	.197	.262	.210	.172	.181	.147	.122	.105	.087	.073	.034	.028	.024	
8.0	.298	.236	.194	.257	.205	.169	.178	.144	.120	.103	.085	.071	.033	.028	.024	
9.0	.292	.231	.191	.251	.201	.166	.174	.141	.118	.101	.083	.070	.033	.027	.023	
10.0	.286	.227	.188	.246	.197	.164	.171	.139	.117	.100	.082	.070	.032	.027	.023	

C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:DAMIN  
Test Date:2017-09-28

γ Range: 0 - 180DEG  
γ Interval: 1.0DEG  
Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.362  
Humidity:65.0%  
Test Distance:4.950m [K=1.0000]  
Remarks:

## UGR(Unified Glare Rating) Table

Test:U:24.01V I:0.4629A P:11.11W PF:1.0000 Freq:0Hz Lamp Flux:627.023x1 lm											
NAME: LED Strip						TYPE:Indoor lighting		WEIGHT:20g			
SPEC.:2835 180LED						DIM.: 1000*15*15mm		SERIAL No.:201709028001			
MFR.: EVERFINE						SUR.:1000*15mm		Shielding Angle:			
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	22.9	24.3	23.5	24.9	25.5	19.2	20.6	19.8	21.2	21.8	
	3H	26.0	27.3	26.6	27.9	28.6	20.6	21.9	21.2	22.5	23.2
	4H	27.7	28.9	28.3	29.6	30.2	21.1	22.4	21.7	23.0	23.7
	6H	29.6	30.7	30.2	31.4	32.1	21.4	22.6	22.0	23.2	23.9
	8H	30.6	31.7	31.3	32.4	33.1	21.5	22.6	22.1	23.2	23.9
	12H	31.8	32.9	32.4	33.5	34.3	21.4	22.5	22.1	23.1	23.9
4H	2H	23.5	24.7	24.1	25.3	26.0	21.0	22.2	21.6	22.8	23.5
	3H	26.8	27.9	27.5	28.5	29.3	22.8	23.9	23.4	24.5	25.3
	4H	28.7	29.7	29.4	30.4	31.2	23.6	24.6	24.2	25.2	26.0
	6H	30.8	31.7	31.5	32.4	33.2	24.1	25.0	24.8	25.7	26.5
	8H	32.0	32.8	32.7	33.5	34.4	24.2	25.1	24.9	25.8	26.6
	12H	33.3	34.1	34.0	34.8	35.7	24.3	25.1	25.0	25.8	26.6
8H	4H	29.1	29.9	29.8	30.6	31.4	25.3	26.1	26.0	26.8	27.6
	6H	31.5	32.2	32.2	33.0	33.8	26.3	27.1	27.1	27.8	28.6
	8H	32.9	33.5	33.6	34.3	35.2	26.8	27.4	27.5	28.2	29.0
	12H	34.5	35.1	35.3	35.8	36.7	27.0	27.6	27.8	28.4	29.3
12H	4H	29.1	29.9	29.8	30.6	31.4	25.8	26.6	26.5	27.3	28.2
	6H	31.6	32.3	32.4	33.0	33.9	27.2	27.9	28.0	28.6	29.5
	8H	33.1	33.7	33.9	34.5	35.4	27.9	28.5	28.7	29.2	30.1
Variations with the observer position at spacings:											
S = 1.0H	+ 0.1 / - 0.1					+ 0.1 / - 0.1					
1.5H	+ 0.2 / - 0.3					+ 0.2 / - 0.2					
2.0H	+ 0.3 / - 0.4					+ 0.3 / - 0.4					

CIE Pub.117, 627.0 lm Total Lamp Luminous Flux Correct ( $8\log(F/F_0) = -1.6$ )

C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:DAMIN  
Test Date:2017-09-28

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.362  
Humidity:65.0%  
Test Distance:4.950m [K=1.0000]  
Remarks:

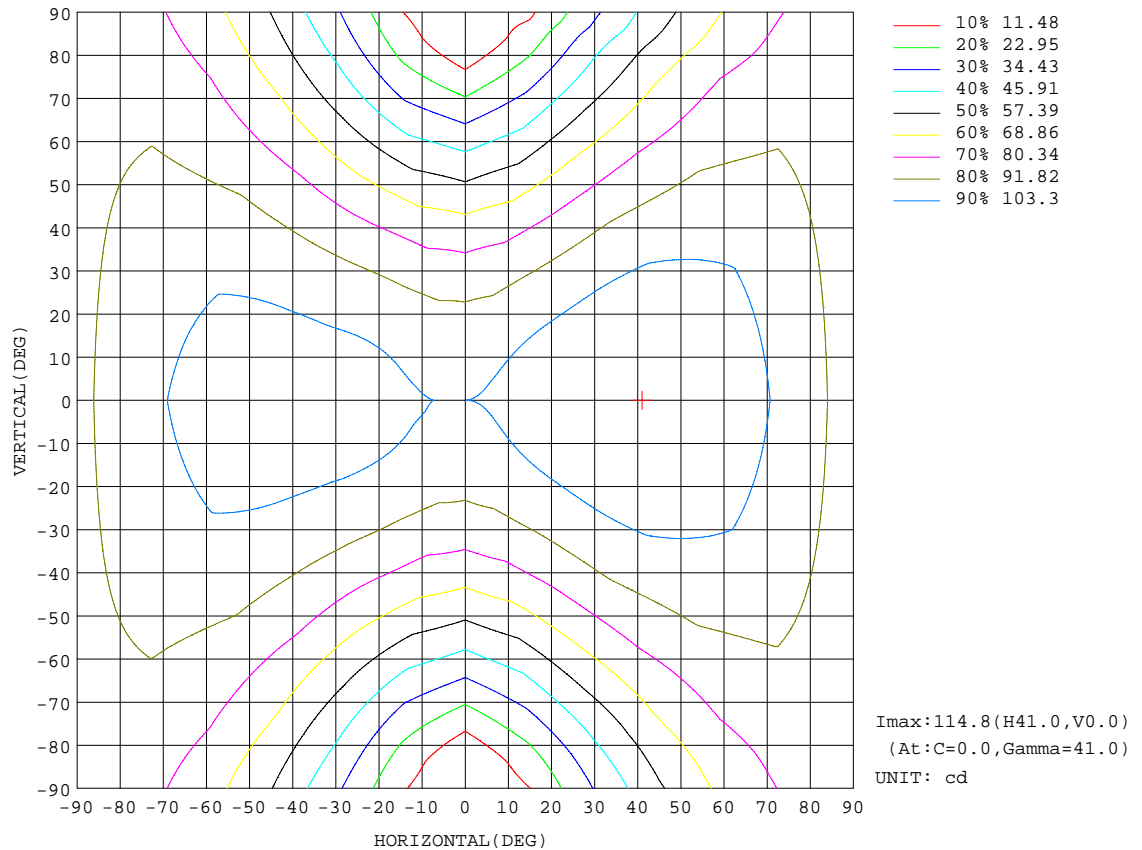
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γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.362
Humidity:65.0%
Test Distance:4.950m [K=1.0000]
Remarks:

```

## ISOCANDELA DIAGRAM

Test:U:24.01V I:0.4629A P:11.11W PF:1.0000 Freq:0Hz Lamp Flux:627.023x1 lm		
NAME: LED Strip	TYPE:Indoor lighting	WEIGHT:20g
SPEC.:2835 180LED	DIM.: 1000*15*15mm	SERIAL No.:201709028001
MFR.: EVERFINE	SUR.:1000*15mm	Shielding Angle:



C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:DAMIN  
Test Date:2017-09-28

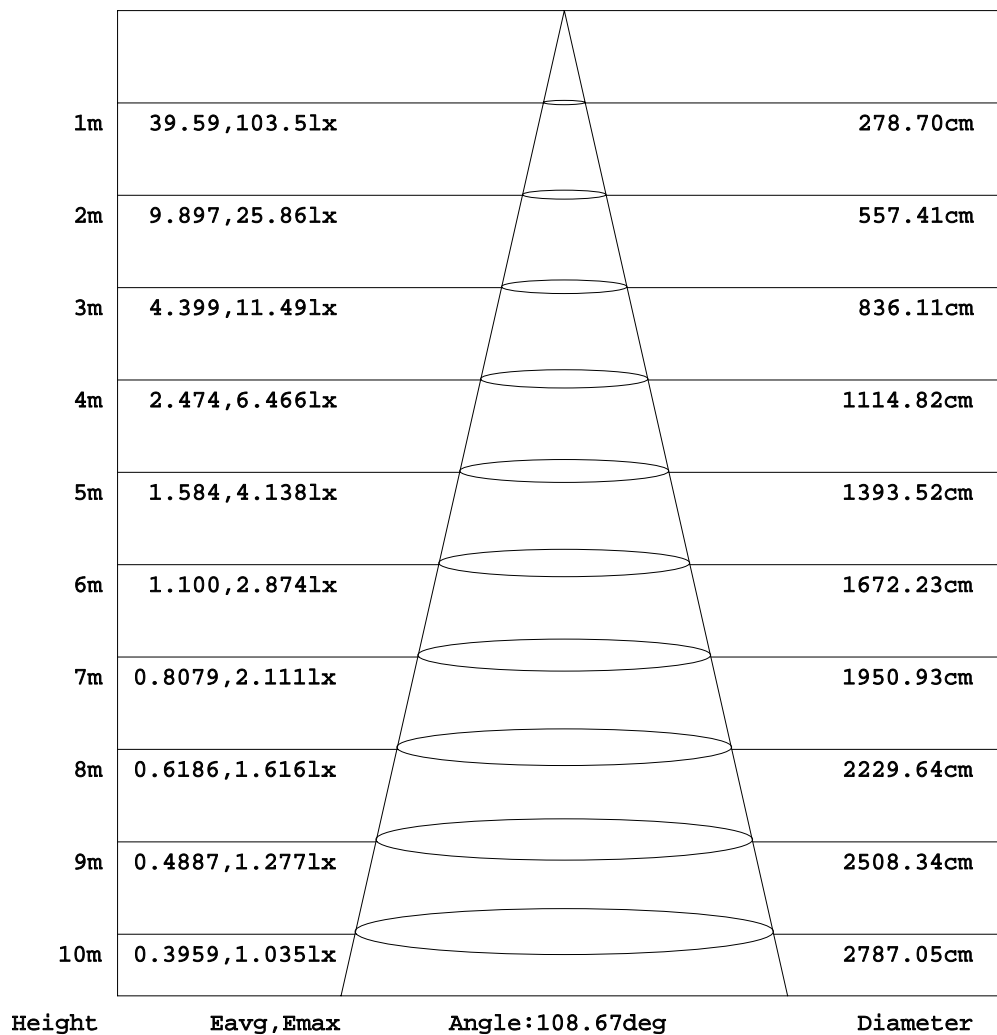
$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.362  
Humidity:65.0%  
Test Distance:4.950m [K=1.0000]  
Remarks:



### AAI Figure

Test:U:24.01V I:0.4629A P:11.11W PF:1.0000 Freq:0Hz Lamp Flux:627.023x1 lm		
NAME: LED Strip	TYPE:Indoor lighting	WEIGHT:20g
SPEC.:2835 180LED	DIM.: 1000*15*15mm	SERIAL No.:201709028001
MFR.: EVERFINE	SUR.:1000*15mm	Shielding Angle:

Flux out:253.7 lm



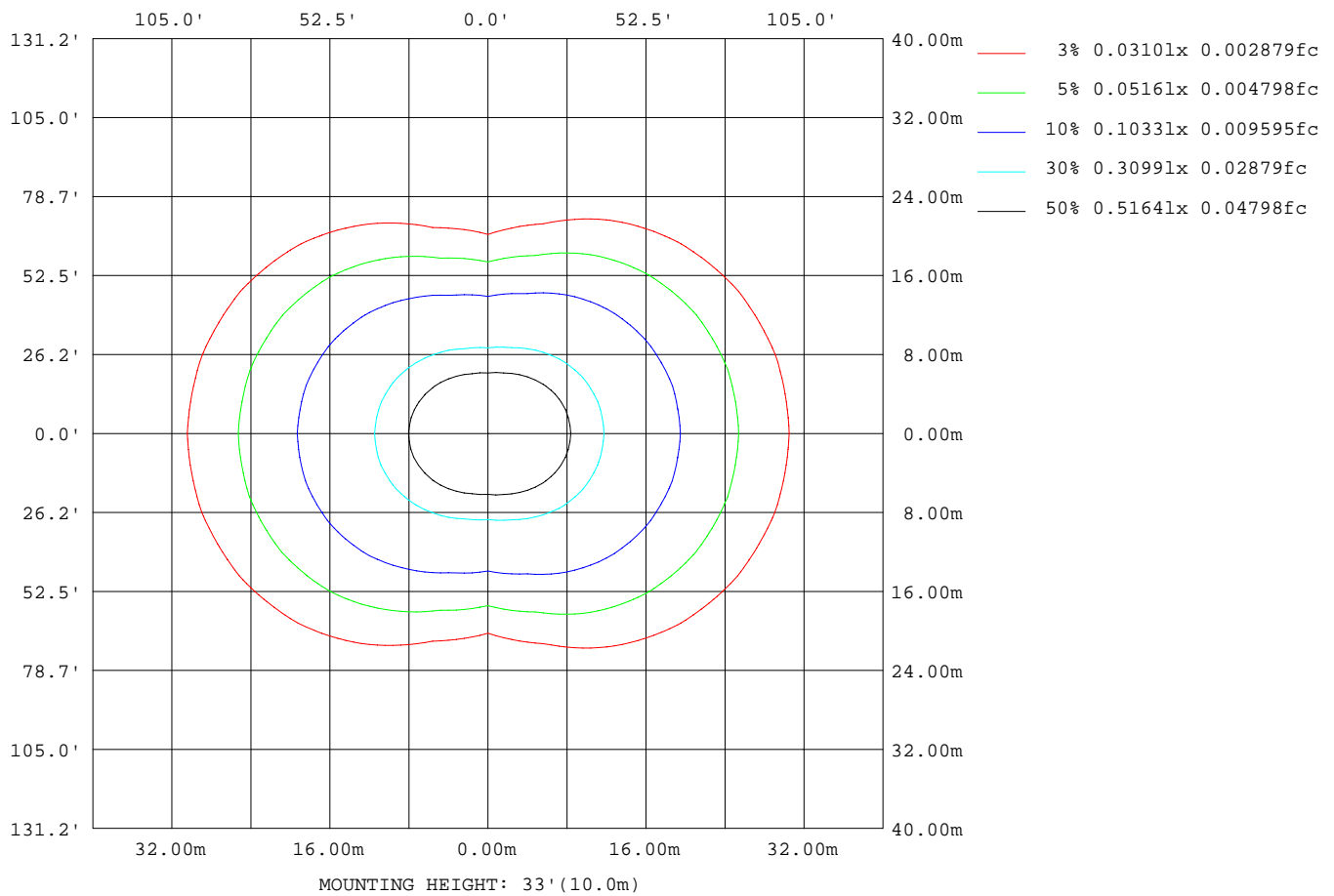
Note: The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature: 25.3DEG  
 Operators: DAMIN  
 Test Date: 2017-09-28

γ Range: 0 - 180DEG  
 γ Interval: 1.0DEG  
 Test System: EVERFINE GO-2000B\_V1 SYSTEM V2.0.362  
 Humidity: 65.0%  
 Test Distance: 4.950m [K=1.0000]  
 Remarks:

### ISOLUX DIAGRAM

Test:U:24.01V I:0.4629A P:11.11W PF:1.0000 Freq:0Hz Lamp Flux:627.023x1 lm		
NAME: LED Strip	TYPE:Indoor lighting	WEIGHT:20g
SPEC.:2835 180LED	DIM.: 1000*15*15mm	SERIAL No.:201709028001
MFR.: EVERFINE	SUR.:1000*15mm	Shielding Angle:



C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:DAMIN  
Test Date:2017-09-28

γ Range: 0 - 180DEG  
γ Interval: 1.0DEG  
Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.362  
Humidity:65.0%  
Test Distance:4.950m [K=1.0000]  
Remarks:

## LED Avg.L Report

Test:U:24.01V I:0.4629A P:11.11W PF:1.0000 Freq:0Hz Lamp Flux:627.023x1 lm		
NAME: LED Strip	TYPE:Indoor lighting	WEIGHT:20g
SPEC.:2835 180LED	DIM.: 1000*15*15mm	SERIAL No.:201709028001
MFR.: EVERFINE	SUR.:1000*15mm	Shielding Angle:

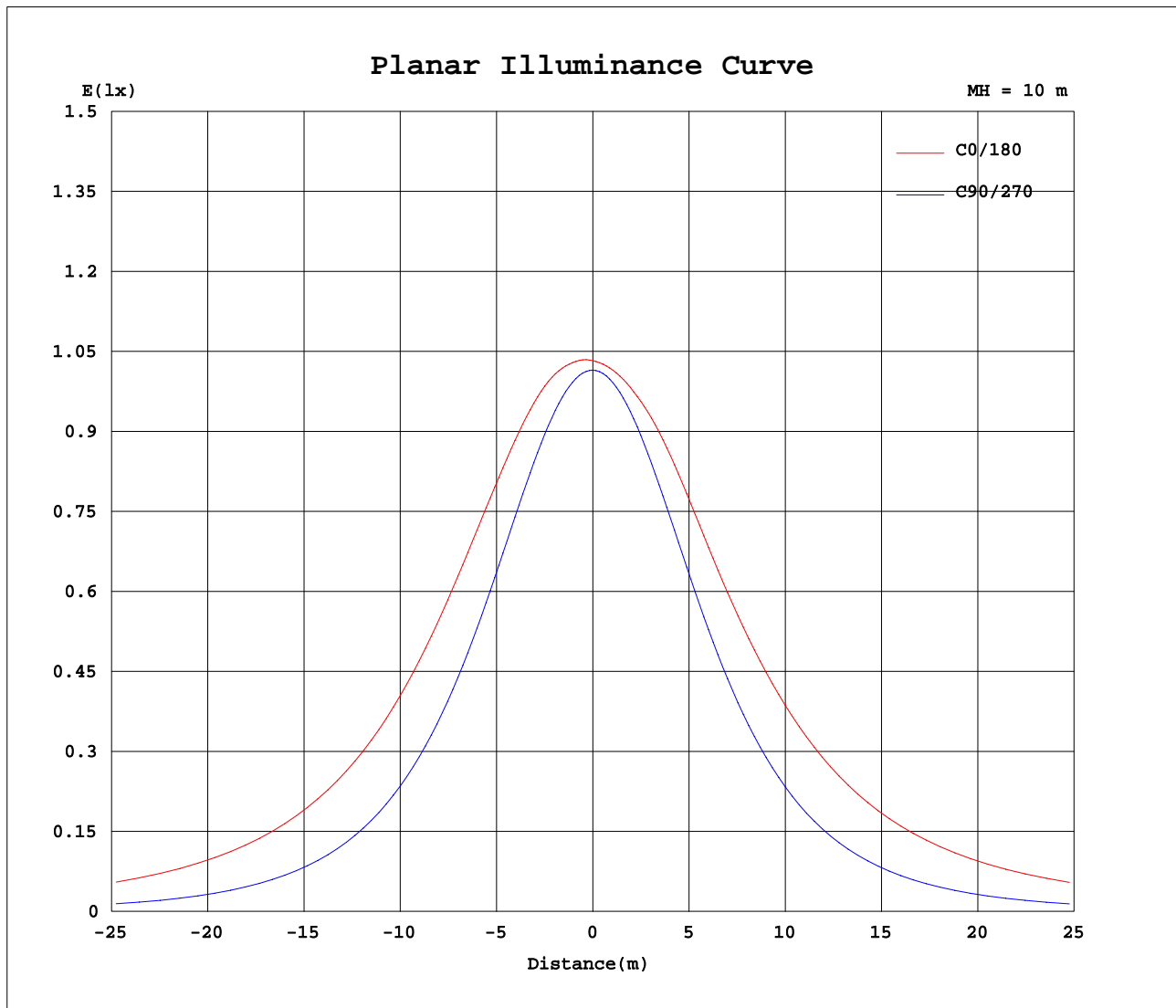
AvgL	cd/m2
L_0~180(65)av	16738
L_0~180(75)av	25762
L_0~180(85)av	70191
L_90~270(65)av	5202
L_90~270(75)av	3750
L_90~270(85)av	0
L_45(65)av	12565
L_45(75)av	18287
L_45(85)av	46811

Standard: GB/T 29293-2012

C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:DAMIN  
 Test Date:2017-09-28

γ Range: 0 - 180DEG  
 γ Interval: 1.0DEG  
 Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.362  
 Humidity:65.0%  
 Test Distance:4.950m [K=1.0000]  
 Remarks:

## Planar Illuminance Curve



C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature: 25.3DEG  
Operators: DAMIN  
Test Date: 2017-09-28

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
Test System: EVERFINE GO-2000B\_V1 SYSTEM V2.0.362  
Humidity: 65.0%  
Test Distance: 4.950m [K=1.0000]  
Remarks:

## LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:24.01V I:0.4629A P:11.11W PF:1.0000 Freq:0Hz Lamp Flux:627.023x1 lm		
NAME: LED Strip	TYPE:Indoor lighting	WEIGHT:20g
SPEC.:2835 180LED	DIM.: 1000*15*15mm	SERIAL No.:201709028001
MFR.: EVERFINE	SUR.:1000*15mm	Shielding Angle:

Table--1

UNIT: cd

C(DEG) γ (DEG)	0	15	30	45	60	75	90	105	120	135	150	165	180	195	210	225	240	255	270
0	103	103	102	102	102	102	101	101	102	102	103	103	103	103	102	102	102	102	101
5	104	104	103	102	102	101	101	101	101	102	102	103	103	102	102	102	101	101	101
10	106	105	104	103	101	100	99.7	99.8	101	102	103	103	104	103	102	101	100	99.6	99.5
15	108	107	105	103	100	98.5	97.5	97.7	99.2	101	103	105	105	104	102	101	98.7	97.4	97.2
20	110	109	106	103	98.9	95.9	94.3	95.0	97.4	101	104	106	107	105	103	100	96.8	94.5	93.9
25	112	110	107	102	97.0	92.5	90.3	91.5	95.1	100	104	107	108	106	103	99.2	94.5	90.9	89.9
30	113	111	107	101	94.4	88.4	85.5	87.2	92.5	98.8	104	107	108	107	103	97.7	91.8	86.6	85.0
35	114	112	107	99.7	91.3	83.7	79.9	82.4	89.3	96.7	103	107	109	107	102	95.7	88.4	81.6	79.4
40	115	112	107	97.9	87.6	78.4	73.5	76.9	85.4	94.2	102	107	109	107	101	93.1	84.4	76.0	73.0
45	114	112	105	95.6	83.4	72.5	66.5	71.1	81.0	91.5	101	107	109	107	100	90.4	79.9	70.0	66.0
50	114	111	104	92.8	79.0	66.0	58.9	64.6	76.1	88.7	99.5	107	109	106	98.7	87.6	74.9	63.5	58.4
55	112	109	101	89.3	74.3	59.1	50.8	57.7	71.2	85.8	97.7	106	108	105	96.9	84.6	70.0	56.6	50.3
60	110	107	98.2	85.3	69.1	51.9	42.2	50.4	66.1	82.5	95.5	104	107	103	94.7	81.2	65.0	49.4	41.7
65	107	104	94.8	80.9	63.6	44.7	33.2	43.0	61.1	78.9	93.0	102	105	102	92.1	77.7	60.0	41.9	32.8
70	104	101	90.9	76.2	57.6	37.4	23.9	35.7	56.1	75.0	90.0	99.5	103	99.1	89.1	73.9	55.0	34.6	23.6
75	100	96.7	86.7	71.4	51.6	30.2	14.7	28.8	51.1	71.1	86.6	96.5	100	96.1	85.8	69.9	50.0	27.8	14.4
80	95.6	92.3	82.1	66.6	45.7	23.0	5.91	22.6	46.2	67.0	82.8	93.0	96.7	92.7	82.1	65.8	45.2	21.6	5.76
85	90.8	87.5	77.2	61.2	40.3	16.4	0.00	17.3	41.5	62.4	78.5	89.0	92.8	88.7	78.1	61.5	40.5	16.3	0.00
90	85.5	82.3	72.0	56.1	35.1	11.4	0.00	12.8	36.7	57.7	74.0	84.4	88.3	84.3	73.7	57.1	36.1	11.9	0.00
95	79.6	76.5	66.4	50.6	30.0	7.21	0.00	9.25	32.3	53.1	69.2	79.6	83.5	79.5	69.1	52.6	31.9	8.50	0.00
100	73.2	70.1	60.2	44.9	24.7	1.66	0.00	5.57	28.1	48.3	64.1	74.4	78.3	74.3	64.1	47.9	27.7	4.68	0.00
105	66.2	63.2	53.7	36.5	17.3	0.00	0.00	2.71	24.0	43.4	58.7	68.7	72.6	68.8	58.8	43.1	23.0	1.86	0.00
110	58.3	55.4	45.0	27.4	9.11	0.00	0.00	0.00	18.6	38.4	53.0	62.6	66.4	62.8	53.2	37.9	17.5	0.00	0.00
115	48.9	45.8	33.0	19.0	2.06	0.00	0.00	0.00	14.0	31.3	46.9	56.3	60.0	56.5	47.0	30.6	13.6	0.00	0.00
120	37.9	33.8	23.2	10.00	0.00	0.00	0.00	0.00	9.51	25.4	38.8	48.9	52.9	49.2	38.8	25.3	9.38	0.00	0.00
125	25.7	21.3	12.9	1.78	0.00	0.00	0.00	0.00	5.26	19.9	31.8	40.2	43.9	40.3	32.2	19.8	5.17	0.00	0.00
130	14.5	11.8	3.79	0.00	0.00	0.00	0.00	0.00	1.35	14.2	25.1	32.8	36.1	33.0	25.5	14.0	1.26	0.00	0.00
135	4.82	2.74	0.00	0.00	0.00	0.00	0.00	0.00	0.00	8.54	18.2	25.1	28.2	25.3	18.6	8.35	0.00	0.00	0.00
140	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3.27	11.4	17.4	20.1	17.5	11.7	3.09	0.00	0.00	0.00
145	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	4.93	9.83	12.2	9.95	5.24	0.00	0.00	0.00	0.00
150	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	2.98	4.81	3.10	0.00	0.00	0.00	0.00	0.00
155	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
160	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
165	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
170	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
175	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
180	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:DAMIN  
 Test Date:2017-09-28

γ Range: 0 - 180DEG  
 γ Interval: 1.0DEG  
 Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.362  
 Humidity:65.0%  
 Test Distance:4.950m [K=1.0000]  
 Remarks:

## LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:24.01V I:0.4629A P:11.11W PF:1.0000 Freq:0Hz Lamp Flux:627.023x1 lm		
NAME: LED Strip	TYPE:Indoor lighting	WEIGHT:20g
SPEC.:2835 180LED	DIM.: 1000*15*15mm	SERIAL No.:201709028001
MFR.: EVERFINE	SUR.:1000*15mm	Shielding Angle:

Table--2

UNIT: cd

C(DEC) γ (DEC)	285	300	315	330	345														
0	101	102	102	103	103														
5	101	102	103	103	104														
10	100.0	101	103	104	105														
15	98.0	100	103	105	107														
20	95.3	98.7	103	106	109														
25	91.8	96.7	102	107	110														
30	87.7	94.1	101	107	112														
35	82.9	90.9	99.5	107	112														
40	77.6	87.3	97.6	107	113														
45	71.7	83.2	95.3	106	112														
50	65.3	78.9	92.5	104	111														
55	58.5	74.3	89.2	101	109														
60	51.4	69.1	85.4	98.5	107														
65	44.4	63.6	81.1	95.2	104														
70	37.4	57.9	76.4	91.4	101														
75	30.2	52.0	71.6	87.3	97.0														
80	23.1	46.3	66.6	82.7	92.7														
85	16.7	40.0	59.7	76.7	87.9														
90	9.61	32.6	53.2	69.5	81.3														
95	4.81	27.3	46.8	63.7	71.5														
100	1.36	21.5	40.7	55.0	65.2														
105	0.00	17.3	36.9	52.9	60.0														
110	0.00	8.53	26.7	46.0	54.3														
115	0.00	1.98	18.7	32.1	46.3														
120	0.00	0.00	9.05	22.7	35.6														
125	0.00	0.00	2.13	13.8	20.3														
130	0.00	0.00	0.00	4.52	11.7														
135	0.00	0.00	0.00	0.00	3.81														
140	0.00	0.00	0.00	0.00	0.00														
145	0.00	0.00	0.00	0.00	0.00														
150	0.00	0.00	0.00	0.00	0.00														
155	0.00	0.00	0.00	0.00	0.00														
160	0.00	0.00	0.00	0.00	0.00														
165	0.00	0.00	0.00	0.00	0.00														
170	0.00	0.00	0.00	0.00	0.00														
175	0.00	0.00	0.00	0.00	0.00														
180	0.00	0.00	0.00	0.00	0.00														

C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:DAMIN  
Test Date:2017-09-28

γ Range: 0 - 180DEG  
γ Interval: 1.0DEG  
Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.362  
Humidity:65.0%  
Test Distance:4.950m [K=1.0000]  
Remarks: