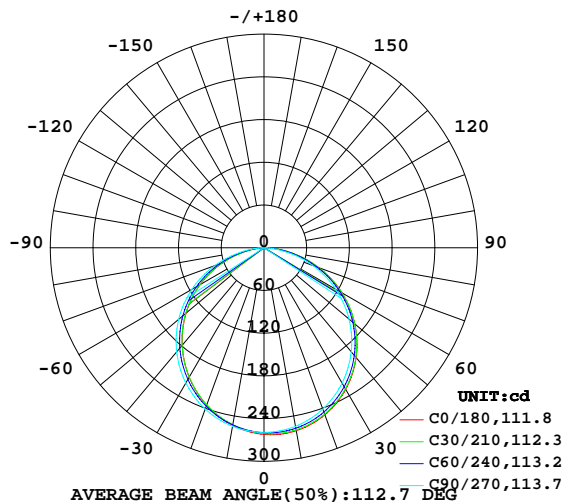


## LUMINAIRE PHOTOMETRIC TEST REPORT

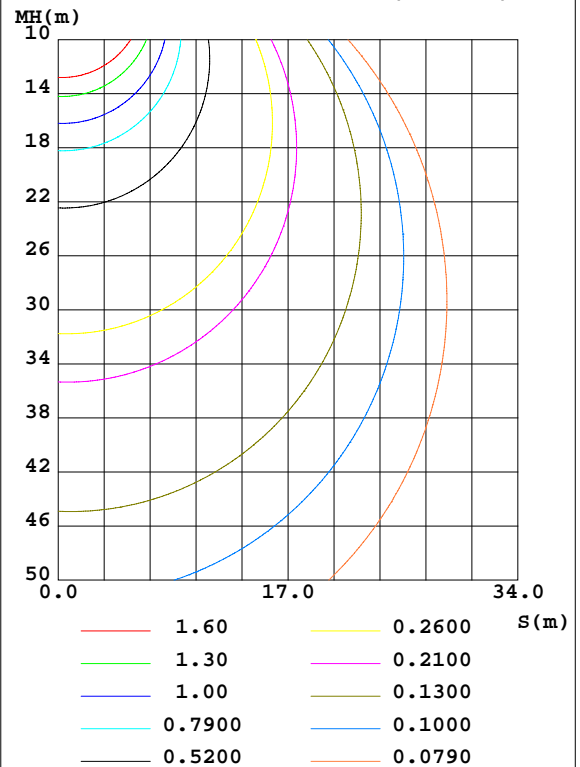
Test:U:23.98V I:0.8181A P:19.62W PF:1.0000 Freq:0Hz Lamp Flux:757.478x1 lm		
NAME: LED Strip	TYPE:Indoor lighting	WEIGHT:25g
SPEC.:2835 128LED	DIM.: 1000*8*12MM	SERIAL No.:20191010003
MFR.: EVERFINE	SUR.:1000*6mm	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 38.62 lm/W			
MODEL:LS102T29XX128LED-24(WCP)-HR-SE-080-M-TS		Imax(cd)	262.9	S/MH(C0/180)	1.20
NOMINAL POWER(W)	18.61	LOR(%)	100.0	S/MH(C90/270)	1.26
RATED VOLTAGE(V)	DC 24	TOTAL FLUX(lm)	757.48	$\eta$ UP,DN(C0-180)	0.7,49.5
NOMINAL FLUX(lm)	757.478	CIE CLASS	DIRECT	$\eta$ UP,DN(C180-360)	0.7,49.1
LAMPS INSIDE	1	$\eta$ up(%)	1.4	CIBSE SHR NOM	1.25
TEST VOLTAGE(V)	DC 24	$\eta$ down(%)	98.6	CIBSE SHR MAX	1.35

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:2019-10-10

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
 Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.362  
 Humidity:65.0%  
 Test Distance:4.717m [K=1.0000]  
 Remarks:

## ZONAL FLUX DIAGRAM

## ZONAL FLUX DIAGRAM:

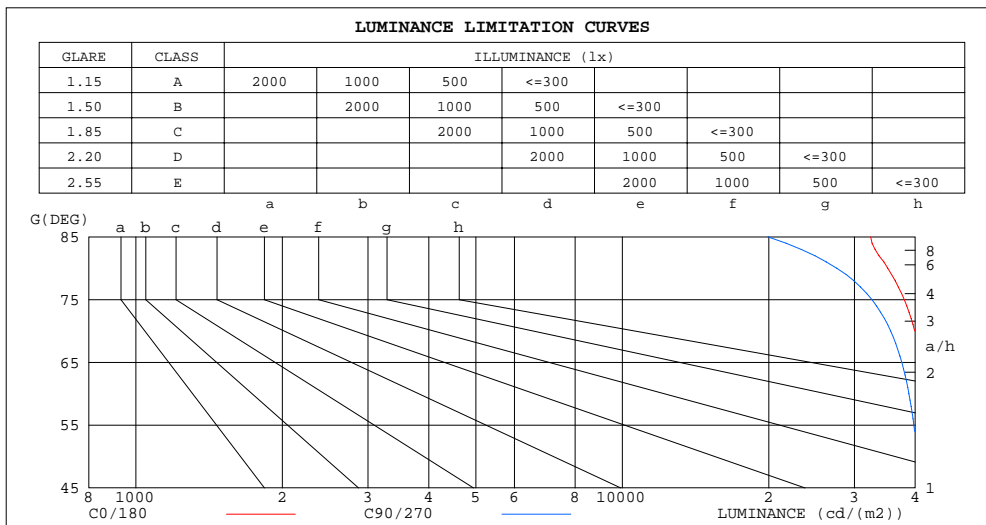
$\gamma$	C0	C45	C90	C135	C180	C225	C270	C315	$\gamma$	$\Phi$ zone	$\Phi$ total	$\Phi$ lum, lamp
10	261.0	258.8	254.7	252.5	253.3	252.2	254.7	258.9	0- 10	24.62	24.62	3.25,3.25
20	249.8	247.7	241.2	235.8	235.4	235.4	241.1	247.9	10- 20	70.45	95.07	12.6,12.6
30	229.6	227.6	219.5	211.5	210.0	211.0	219.4	227.8	20- 30	106.7	201.7	26.6,26.6
40	201.3	199.7	190.7	180.9	178.7	180.5	190.9	199.8	30- 40	128.6	330.4	43.6,43.6
50	166.5	165.3	156.0	145.5	142.9	145.2	156.4	165.5	40- 50	133.8	464.2	61.3,61.3
60	126.2	125.5	116.5	105.9	103.6	105.8	117.1	125.9	50- 60	121.6	585.8	77.3,77.3
70	81.88	81.49	73.07	63.04	61.94	63.67	73.85	81.88	60- 70	93.48	679.3	89.7,89.7
80	36.60	36.21	28.73	21.93	22.28	22.65	29.52	36.57	70- 80	53.43	732.7	96.7,96.7
90	4.555	3.776	1.201	1.076	1.354	1.177	1.251	3.528	80- 90	14.29	747.0	98.6,98.6
100	0.8021	0.8813	0.8867	0.9983	0.9427	0.9911	0.8937	0.8733	90-100	1.234	748.2	98.8,98.8
110	1.063	1.138	1.211	1.301	1.268	1.297	1.214	1.125	100-110	1.109	749.3	98.9,98.9
120	1.374	1.414	1.545	1.615	1.594	1.596	1.548	1.406	110-120	1.344	750.7	99.1,99.1
130	1.699	1.727	1.880	1.946	1.922	1.930	1.877	1.719	120-130	1.498	752.2	99.3,99.3
140	2.016	2.073	2.207	2.266	2.243	2.254	2.206	2.058	130-140	1.547	753.7	99.5,99.5
150	2.349	2.398	2.506	2.556	2.539	2.540	2.504	2.381	140-150	1.454	755.2	99.7,99.7
160	2.677	2.693	2.770	2.803	2.816	2.788	2.768	2.670	150-160	1.205	756.4	99.9,99.9
170	2.957	2.946	2.984	3.008	3.042	2.993	2.983	2.919	160-170	0.8087	757.2	100,100
180	3.130	3.095	3.095	3.094	3.134	3.093	3.100	3.090	170-180	0.2892	757.5	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:2019-10-10

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
 $\gamma$  Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.362  
 Humidity:65.0%  
 Test Distance:4.717m [K=1.0000]  
 Remarks:

## LUMINANCE LIMITATION CURVES

Test:U:23.98V I:0.8181A P:19.62W PF:1.0000 Freq:0Hz Lamp Flux:757.478x1 lm		
NAME: LED Strip	TYPE:Indoor lighting	WEIGHT:25g
SPEC.:2835 128LED	DIM.: 1000*8*12MM	SERIAL No.:20191010003
MFR.: EVERFINE	SUR.:1000*6mm	Shielding Angle:



LUMINANCE cd/(m2)		
G(DEG)	C0/180	C90/270
85	32390	19921
80	35126	27577
75	37977	32586
70	39902	35609
65	41193	37541
60	42060	38827
55	42698	39756
50	43168	40454
45	43515	41008

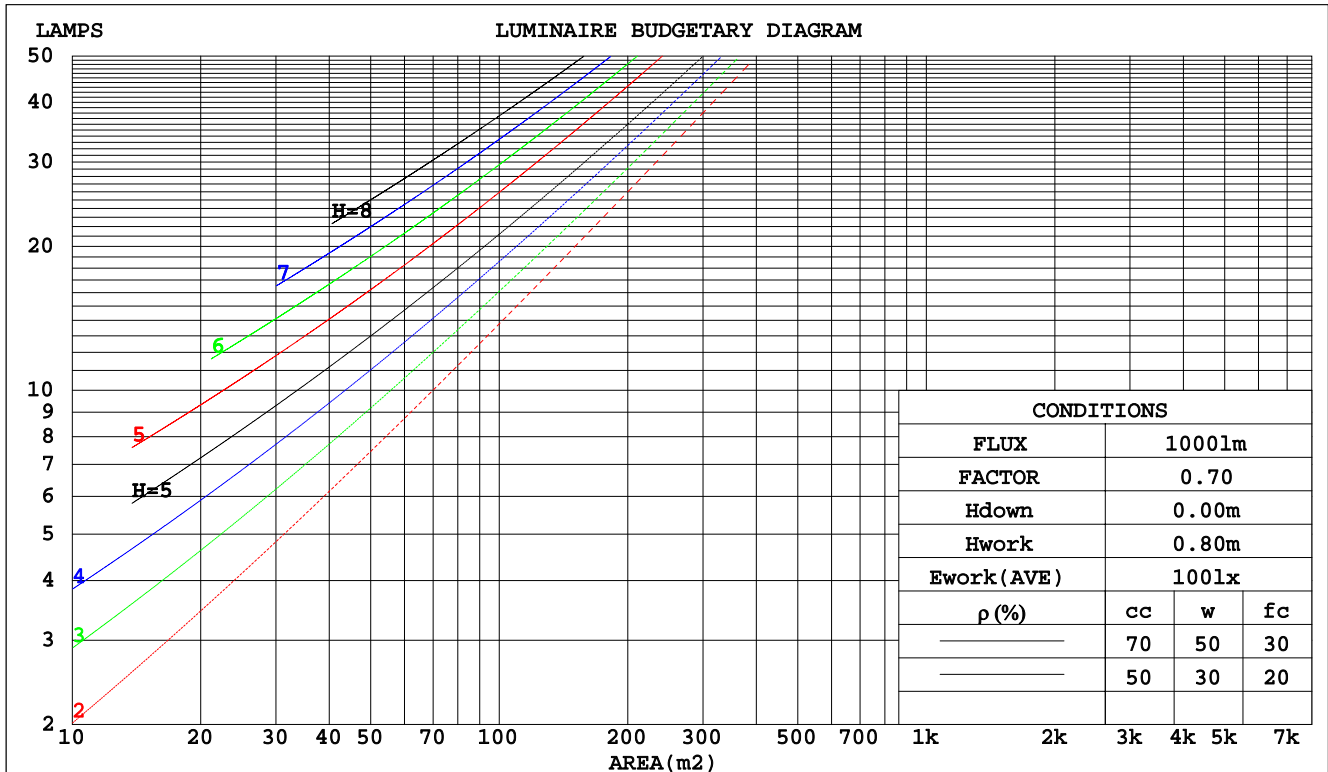
C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:DAMIN  
Test Date:2019-10-10

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.362  
Humidity:65.0%  
Test Distance:4.717m [K=1.0000]  
Remarks:

## CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:23.98V I:0.8181A P:19.62W PF:1.0000 Freq:0Hz Lamp Flux:757.478x1 lm		
NAME: LED Strip	TYPE:Indoor lighting	WEIGHT:25g
SPEC.:2835 128LED	DIM.: 1000*8*12MM	SERIAL No.:20191010003
MFR.: EVERFINE	SUR.:1000*6mm	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	1.19	1.19	1.19	1.16	1.16	1.16	1.10	1.10	1.10	1.05	1.05	1.05	1.01	1.01	1.01	.99
1.0	1.03	.99	.95	1.01	.97	.94	.97	.93	.90	.92	.90	.87	.89	.86	.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	.70	.63	.74	.68	.62	.71	.66	.61	.68	.64	.60	.57
4.0	.70	.61	.54	.68	.60	.54	.66	.59	.53	.63	.57	.52	.61	.56	.51	.49
5.0	.62	.53	.47	.61	.53	.46	.59	.51	.46	.57	.50	.45	.55	.49	.44	.42
6.0	.56	.47	.41	.55	.47	.40	.53	.46	.40	.51	.45	.39	.50	.44	.39	.37
7.0	.51	.42	.36	.50	.42	.36	.48	.41	.35	.47	.40	.35	.45	.39	.35	.33
8.0	.46	.38	.32	.46	.37	.32	.44	.37	.31	.43	.36	.31	.41	.35	.31	.29
9.0	.43	.34	.29	.42	.34	.29	.41	.33	.28	.39	.33	.28	.38	.32	.28	.26
10.0	.39	.31	.26	.39	.31	.26	.38	.31	.26	.37	.30	.26	.36	.30	.25	.24



C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:DAMIN  
 Test Date:2019-10-10

γ Range: 0 - 180DEG  
 γ Interval: 1.0DEG  
 Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.362  
 Humidity:65.0%  
 Test Distance:4.717m [K=1.0000]  
 Remarks:

## WEC AND CCEC

Test:U:23.98V I:0.8181A P:19.62W PF:1.0000 Freq:0Hz Lamp Flux:757.478x1 lm		
NAME: LED Strip	TYPE:Indoor lighting	WEIGHT:25g
SPEC.:2835 128LED	DIM.: 1000*8*12MM	SERIAL No.:20191010003
MFR.: EVERFINE	SUR.:1000*6mm	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	.311	.177	.056	.303	.173	.055	.289	.166	.053	.276	.159	.051	.264	.153	.049		
2.0	.292	.160	.049	.286	.157	.048	.273	.152	.047	.262	.147	.046	.251	.142	.045		
3.0	.270	.144	.043	.265	.142	.043	.254	.137	.042	.243	.133	.041	.234	.129	.040		
4.0	.249	.130	.038	.244	.128	.038	.234	.124	.037	.225	.121	.037	.217	.118	.036		
5.0	.231	.117	.034	.226	.116	.034	.217	.113	.033	.209	.110	.033	.201	.108	.032		
6.0	.214	.107	.031	.210	.106	.030	.202	.103	.030	.195	.101	.030	.188	.099	.029		
7.0	.199	.098	.028	.195	.097	.028	.188	.095	.027	.182	.093	.027	.175	.091	.027		
8.0	.186	.091	.026	.182	.090	.025	.176	.088	.025	.170	.086	.025	.165	.085	.025		
9.0	.174	.084	.024	.171	.083	.023	.165	.082	.023	.160	.080	.023	.155	.079	.023		
10.0	.164	.078	.022	.161	.078	.022	.156	.076	.021	.151	.075	.021	.146	.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	.201	.201	.201	.172	.172	.172	.117	.117	.117	.067	.067	.067	.022	.022	.022	
1.0	.191	.167	.145	.163	.143	.125	.112	.098	.086	.064	.057	.050	.021	.018	.016	
2.0	.183	.143	.109	.157	.123	.094	.107	.085	.066	.062	.049	.038	.020	.016	.013	
3.0	.175	.125	.085	.150	.108	.074	.103	.075	.052	.060	.044	.030	.019	.014	.010	
4.0	.168	.112	.069	.144	.097	.060	.099	.067	.042	.057	.039	.025	.018	.013	.008	
5.0	.160	.101	.058	.138	.088	.050	.095	.061	.036	.055	.036	.021	.018	.012	.007	
6.0	.153	.093	.050	.132	.081	.044	.091	.056	.031	.053	.033	.018	.017	.011	.006	
7.0	.146	.086	.044	.126	.075	.038	.087	.052	.027	.051	.031	.016	.016	.010	.005	
8.0	.140	.080	.040	.120	.070	.035	.083	.049	.025	.048	.029	.015	.016	.009	.005	
9.0	.134	.076	.036	.115	.066	.032	.080	.046	.022	.047	.027	.013	.015	.009	.004	
10.0	.128	.071	.033	.110	.062	.029	.077	.044	.021	.045	.026	.012	.014	.008	.004	

C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:DAMIN  
Test Date:2019-10-10

γ Range: 0 - 180DEG  
γ Interval: 1.0DEG  
Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.362  
Humidity:65.0%  
Test Distance:4.717m [K=1.0000]  
Remarks:

UGR(Unified Glare Rating) Table

Test:U:23.98V I:0.8181A P:19.62W PF:1.0000 Freq:0Hz Lamp Flux:757.478x1 lm										
NAME: LED Strip					TYPE:Indoor lighting			WEIGHT:25g		
SPEC.:2835 128LED					DIM.: 1000*8*12MM			SERIAL No.:20191010003		
MFR.: EVERFINE					SUR.:1000*6mm			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	27.1	28.6	27.4	28.9	29.1	26.8	28.3	27.1	28.6	28.8
3H	28.8	30.2	29.1	30.4	30.7	28.4	29.8	28.7	30.0	30.3
4H	29.5	30.8	29.8	31.1	31.3	29.0	30.3	29.3	30.6	30.9
6H	30.0	31.2	30.3	31.5	31.8	29.4	30.6	29.7	30.9	31.2
8H	30.1	31.3	30.5	31.6	32.0	29.5	30.7	29.8	31.0	31.3
12H	30.2	31.4	30.6	31.7	32.1	29.5	30.7	29.9	31.0	31.3
4H 2H	27.7	29.1	28.1	29.4	29.6	27.5	28.9	27.9	29.1	29.4
3H	29.6	30.8	30.0	31.1	31.4	29.3	30.4	29.6	30.8	31.1
4H	30.4	31.5	30.8	31.8	32.2	30.0	31.1	30.4	31.4	31.8
6H	31.1	32.0	31.5	32.4	32.8	30.5	31.5	30.9	31.8	32.2
8H	31.3	32.2	31.7	32.5	33.0	30.7	31.6	31.1	32.0	32.4
12H	31.4	32.3	31.9	32.7	33.1	30.8	31.6	31.2	32.0	32.4
8H 4H	30.7	31.6	31.1	32.0	32.4	30.3	31.2	30.8	31.6	32.0
6H	31.5	32.2	32.0	32.7	33.1	31.0	31.7	31.5	32.2	32.6
8H	31.8	32.5	32.3	32.9	33.4	31.3	31.9	31.7	32.4	32.8
12H	32.1	32.6	32.6	33.1	33.6	31.4	32.0	31.9	32.4	32.9
12H 4H	30.7	31.5	31.1	31.9	32.3	30.4	31.2	30.8	31.6	32.0
6H	31.6	32.2	32.0	32.7	33.1	31.1	31.7	31.6	32.2	32.7
8H	31.9	32.5	32.4	33.0	33.5	31.4	31.9	31.9	32.4	32.9
Variations with the observer position at spacings:										
S = 1.0H	+ 0.1 / - 0.2					+ 0.2 / - 0.2				
1.5H	+ 0.2 / - 0.3					+ 0.2 / - 0.4				
2.0H	+ 0.2 / - 0.3					+ 0.2 / - 0.4				

CIE Pub.117, 757.5 lm Total Lamp Luminous Flux Correct (8log(F/F0) = -1.0)

C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:DAMIN  
Test Date:2019-10-10

γ Range: 0 - 180DEG  
γ Interval: 1.0DEG  
Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.362  
Humidity:65.0%  
Test Distance:4.717m [K=1.0000]  
Remarks:

## UTILIZATION FACTORS TABLE

Test:U:23.98V I:0.8181A P:19.62W PF:1.0000 Freq:0Hz Lamp Flux:757.478x1 lm		
NAME: LED Strip	TYPE:Indoor lighting	WEIGHT:25g
SPEC.:2835 128LED	DIM.: 1000*8*12MM	SERIAL No.:20191010003
MFR.: EVERFINE	SUR.:1000*6mm	Shielding Angle:

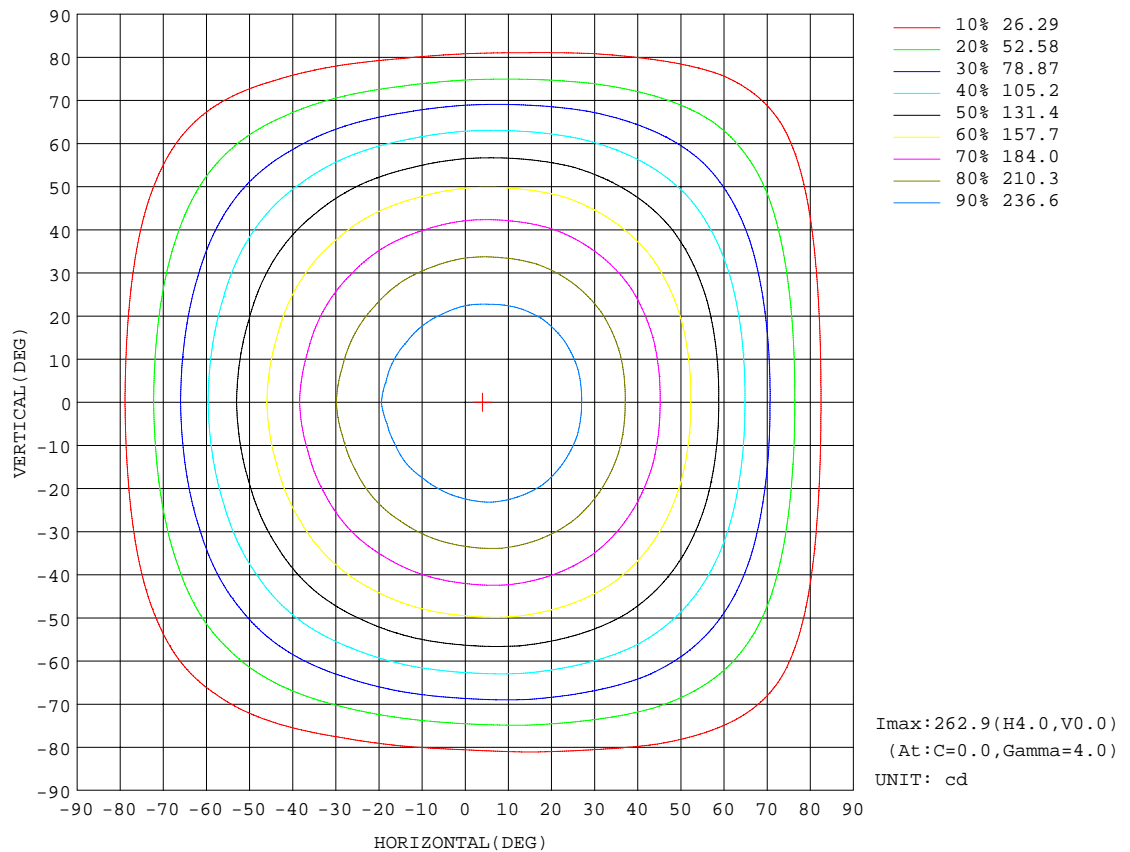
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT)    k(RI) x RCR = 5									
k = 0.60	57	45	38	56	45	38	55	44	38	31
0.80	67	55	48	66	55	48	64	54	47	40
1.00	75	64	57	74	63	56	72	65	56	49
1.25	82	72	65	81	71	64	78	70	63	56
1.50	87	77	70	86	77	70	83	75	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										
SHRNM = 1.25										

C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:DAMIN  
Test Date:2019-10-10

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.362  
Humidity:65.0%  
Test Distance:4.717m [K=1.0000]  
Remarks:

## ISOCANDELA DIAGRAM

Test:U:23.98V I:0.8181A P:19.62W PF:1.0000 Freq:0Hz Lamp Flux:757.478x1 lm		
NAME: LED Strip	TYPE:Indoor lighting	WEIGHT:25g
SPEC.:2835 128LED	DIM.: 1000*8*12MM	SERIAL No.:20191010003
MFR.: EVERFINE	SUR.:1000*6mm	Shielding Angle:



C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:DAMIN  
Test Date:2019-10-10

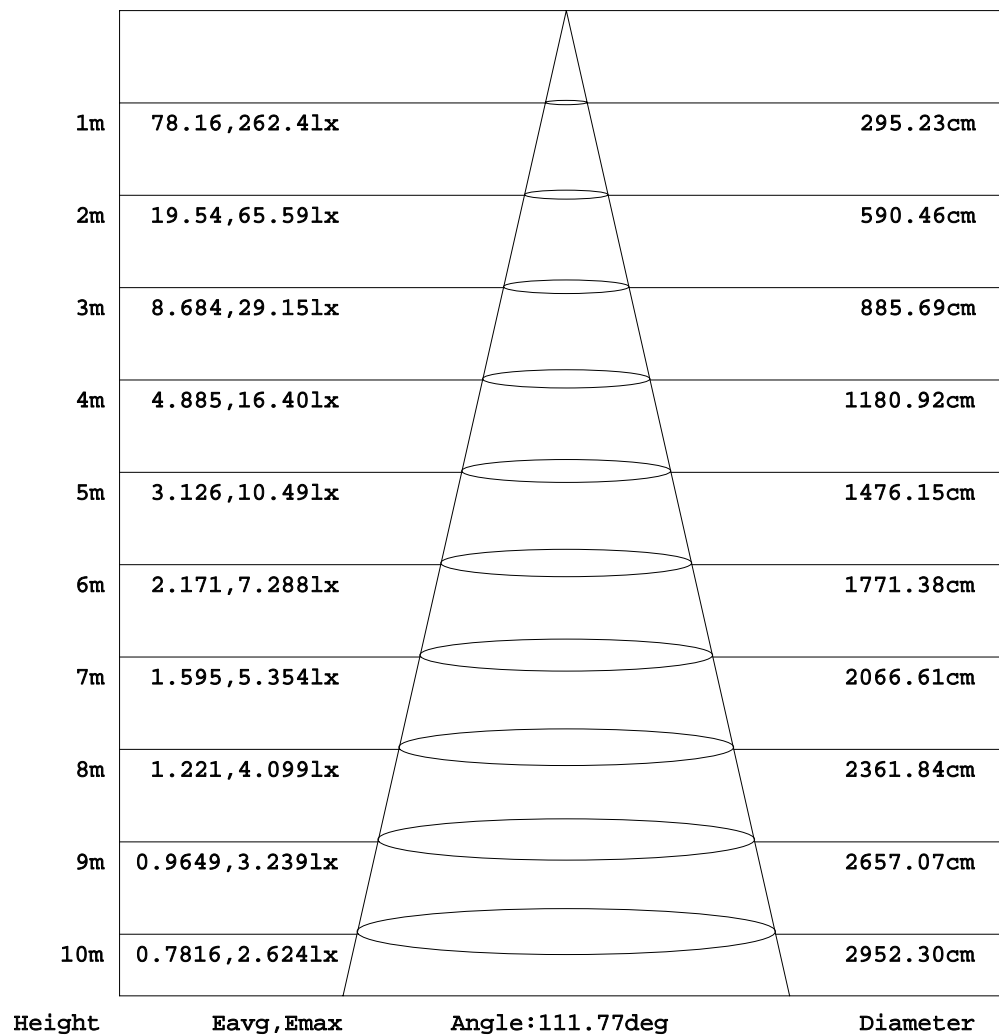
$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.362  
Humidity:65.0%  
Test Distance:4.717m [K=1.0000]  
Remarks:



## AAI Figure

Test:U:23.98V I:0.8181A P:19.62W PF:1.0000 Freq:0Hz Lamp Flux:757.478x1 lm		
NAME: LED Strip	TYPE:Indoor lighting	WEIGHT:25g
SPEC.:2835 128LED	DIM.: 1000*8*12MM	SERIAL No.:20191010003
MFR.: EVERFINE	SUR.:1000*6mm	Shielding Angle:

Flux out:539.7 lm



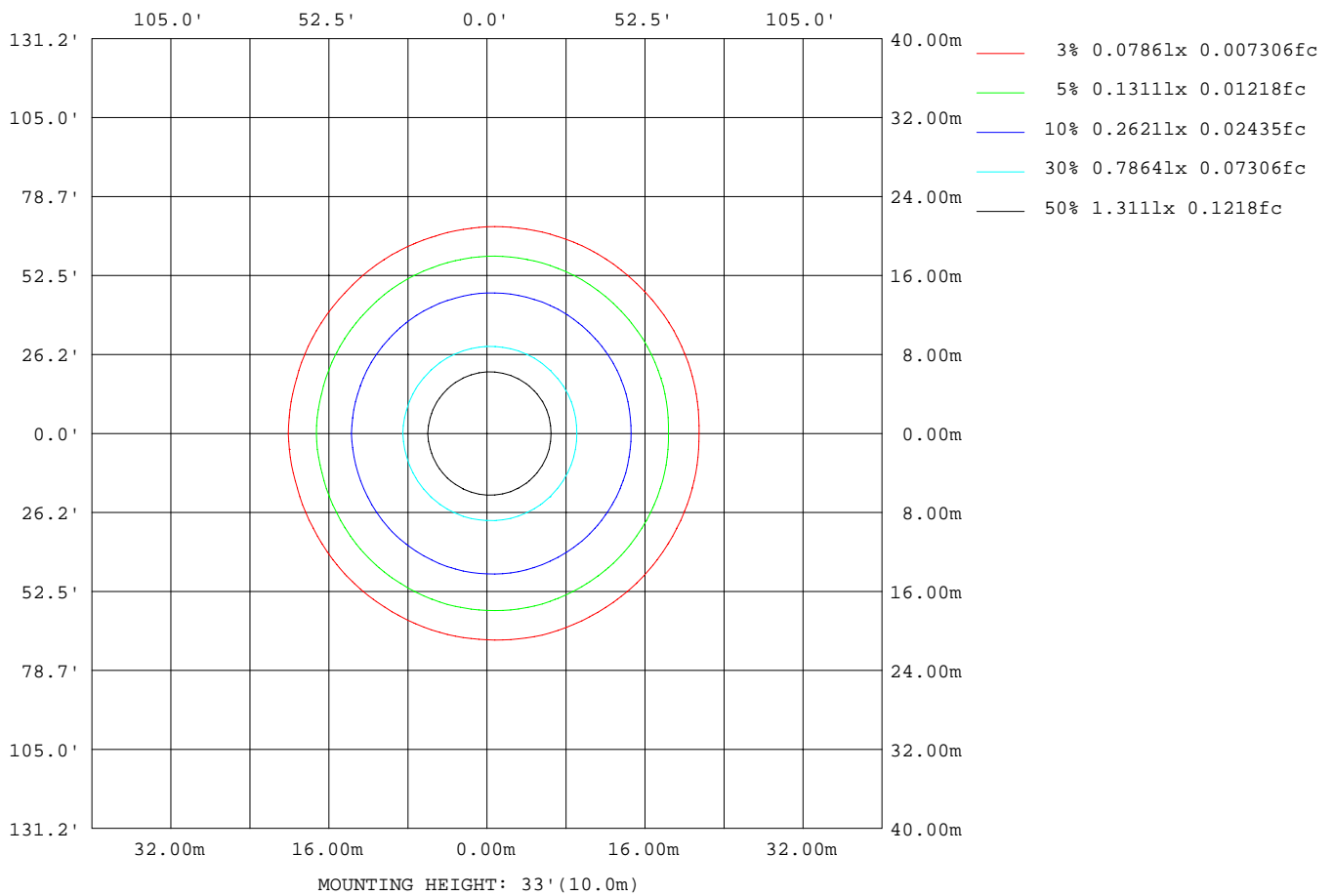
Note: The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature: 25.3DEG  
 Operators: DAMIN  
 Test Date: 2019-10-10

γ Range: 0 - 180DEG  
 γ Interval: 1.0DEG  
 Test System: EVERFINE GO-2000B\_V1 SYSTEM V2.0.362  
 Humidity: 65.0%  
 Test Distance: 4.717m [K=1.0000]  
 Remarks:

## ISOLUX DIAGRAM

Test:U:23.98V I:0.8181A P:19.62W PF:1.0000 Freq:0Hz Lamp Flux:757.478x1 lm		
NAME: LED Strip	TYPE:Indoor lighting	WEIGHT:25g
SPEC.:2835 128LED	DIM.: 1000*8*12MM	SERIAL No.:20191010003
MFR.: EVERFINE	SUR.:1000*6mm	Shielding Angle:



C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:DAMIN  
Test Date:2019-10-10

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.362  
Humidity:65.0%  
Test Distance:4.717m [K=1.0000]  
Remarks:

## LED Avg.L Report

Test:U:23.98V I:0.8181A P:19.62W PF:1.0000 Freq:0Hz Lamp Flux:757.478x1 lm		
NAME: LED Strip	TYPE:Indoor lighting	WEIGHT:25g
SPEC.:2835 128LED	DIM.: 1000*8*12MM	SERIAL No.:20191010003
MFR.: EVERFINE	SUR.:1000*6mm	Shielding Angle:

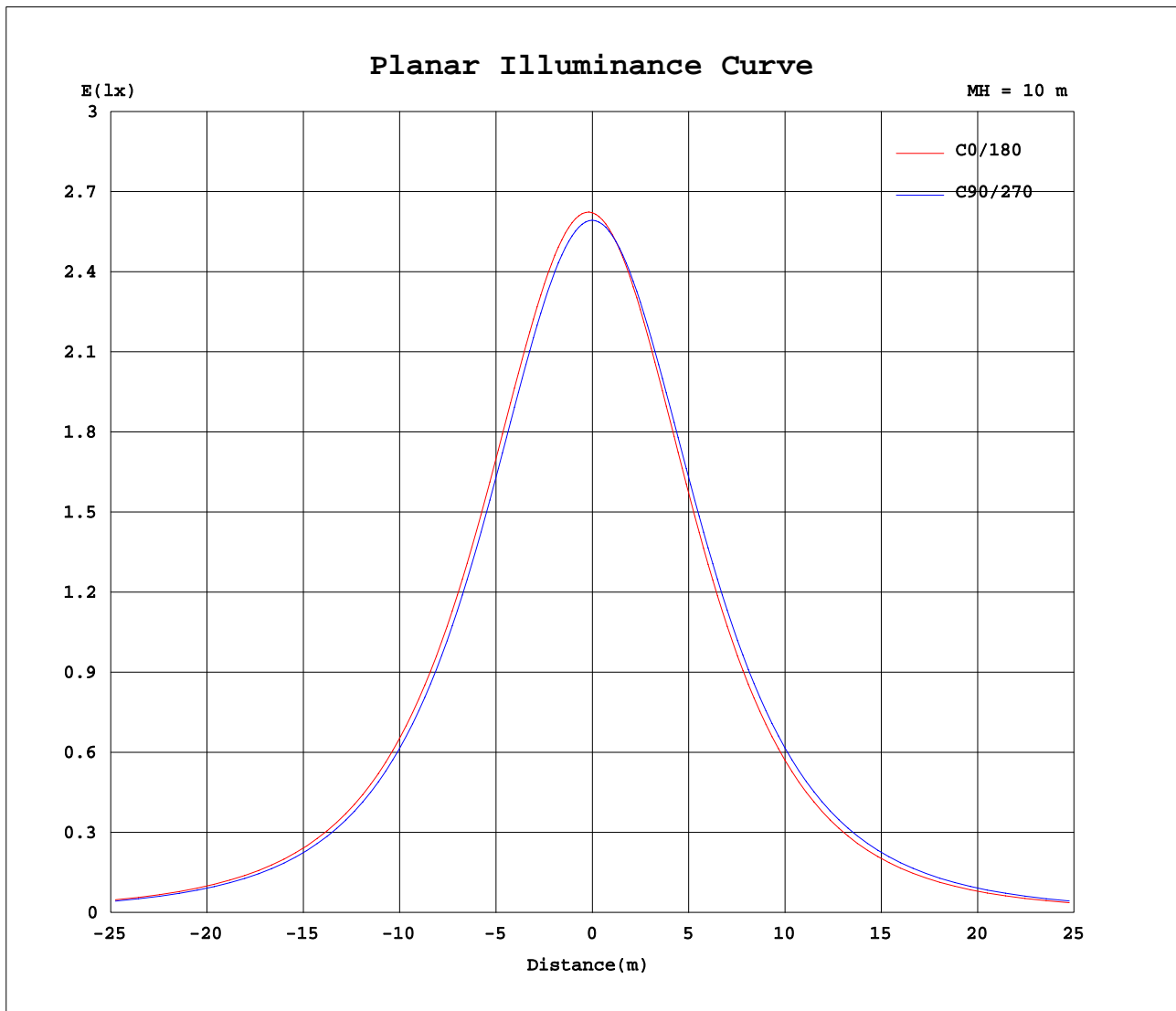
AvgL	cd/m2
L_0~180(65)av	36963
L_0~180(75)av	32289
L_0~180(85)av	23681
L_90~270(65)av	37666
L_90~270(75)av	32802
L_90~270(85)av	20533
L_45(65)av	37295
L_45(75)av	32530
L_45(85)av	22436

Standard: GB/T 29293-2012

C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:DAMIN  
 Test Date:2019-10-10

γ Range: 0 - 180DEG  
 γ Interval: 1.0DEG  
 Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.362  
 Humidity:65.0%  
 Test Distance:4.717m [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: 2019-10-10

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
Test System: EVERFINE GO-2000B\_V1 SYSTEM V2.0.362  
Humidity: 65.0%  
Test Distance: 4.717m [K=1.0000]  
Remarks:

## LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:23.98V I:0.8181A P:19.62W PF:1.0000 Freq:0Hz Lamp Flux:757.478x1 lm		
NAME: LED Strip	TYPE:Indoor lighting	WEIGHT:25g
SPEC.:2835 128LED	DIM.: 1000*8*12MM	SERIAL No.:20191010003
MFR.: EVERFINE	SUR.:1000*6mm	Shielding Angle:

Table--1

UNIT: cd

C(DEC) γ (DEC)	0	15	30	45	60	75	90	105	120	135	150	165	180	195	210	225	240	255	270
0	262	261	261	260	260	259	259	259	260	260	260	261	262	261	261	260	260	259	259
5	263	262	262	261	260	259	258	257	257	258	257	258	259	258	258	257	257	258	258
10	261	261	260	259	257	256	255	253	253	253	252	252	253	252	252	252	253	253	255
15	257	256	255	254	253	251	249	247	246	245	244	244	245	244	245	245	246	247	249
20	250	250	249	248	246	244	241	239	237	236	234	234	235	234	235	235	237	239	241
25	241	241	240	239	237	234	231	229	226	224	223	222	224	223	223	224	226	228	231
30	230	230	229	228	225	223	219	216	213	211	209	209	210	209	210	211	214	216	219
35	216	217	216	215	212	210	206	203	199	197	194	194	195	194	195	196	200	202	206
40	201	202	201	200	197	195	191	187	184	181	178	177	179	178	179	181	184	187	191
45	185	185	184	183	181	178	174	170	167	164	161	160	161	160	162	163	167	170	174
50	166	167	166	165	163	160	156	153	148	145	142	141	143	142	144	145	149	152	156
55	147	148	147	146	144	141	137	133	129	126	123	122	124	123	124	126	130	133	137
60	126	127	126	126	123	121	116	113	109	106	103	102	104	103	104	106	109	113	117
65	104	105	105	104	101	99.4	95.2	91.8	87.5	84.8	81.8	81.0	83.0	82.2	83.5	85.1	88.5	91.5	95.8
70	81.9	82.8	82.2	81.5	79.1	77.1	73.1	69.8	65.9	63.0	60.5	59.7	61.9	61.2	62.3	63.7	66.9	69.6	73.9
75	59.0	59.9	59.2	58.6	56.3	54.3	50.6	47.6	44.1	41.8	39.6	39.2	41.3	40.7	41.6	42.5	45.1	47.6	51.3
80	36.6	37.5	36.9	36.2	34.0	32.2	28.7	26.5	23.4	21.9	20.3	20.3	22.3	21.6	22.3	22.6	24.7	26.4	29.5
85	16.9	17.8	17.0	16.5	14.4	13.1	10.4	9.29	7.32	6.83	6.23	6.54	7.83	7.31	7.56	7.41	8.35	9.12	11.1
90	4.56	4.88	4.32	3.78	2.64	2.01	1.20	1.40	1.11	1.08	1.03	1.08	1.35	1.23	1.27	1.18	1.24	1.31	1.25
95	1.02	1.06	0.97	0.91	0.90	0.93	0.91	0.99	0.93	0.90	0.86	0.84	0.83	0.83	0.87	0.88	0.92	0.96	0.89
100	0.80	0.82	0.84	0.88	0.89	0.90	0.89	0.96	0.99	1.00	0.98	0.96	0.94	0.96	0.98	0.99	0.99	0.95	0.89
105	0.92	0.93	0.96	0.99	0.97	1.02	1.04	1.10	1.13	1.15	1.13	1.11	1.10	1.11	1.14	1.14	1.13	1.09	1.04
110	1.06	1.08	1.10	1.14	1.16	1.17	1.21	1.26	1.28	1.30	1.28	1.27	1.27	1.27	1.30	1.30	1.29	1.26	1.21
115	1.22	1.23	1.23	1.29	1.29	1.34	1.38	1.42	1.44	1.46	1.44	1.43	1.43	1.44	1.46	1.46	1.45	1.42	1.38
120	1.37	1.37	1.40	1.41	1.44	1.50	1.55	1.59	1.60	1.61	1.60	1.59	1.59	1.60	1.62	1.60	1.61	1.58	1.55
125	1.53	1.53	1.54	1.57	1.60	1.66	1.71	1.75	1.76	1.78	1.77	1.76	1.76	1.76	1.77	1.76	1.75	1.73	1.71
130	1.70	1.70	1.70	1.73	1.77	1.83	1.88	1.92	1.93	1.95	1.94	1.93	1.92	1.93	1.95	1.93	1.92	1.90	1.88
135	1.86	1.87	1.87	1.90	1.94	2.00	2.05	2.08	2.10	2.11	2.10	2.09	2.09	2.09	2.11	2.10	2.09	2.07	2.04
140	2.02	2.03	2.04	2.07	2.10	2.16	2.21	2.24	2.26	2.27	2.25	2.25	2.24	2.25	2.26	2.25	2.25	2.23	2.21
145	2.18	2.21	2.20	2.24	2.26	2.32	2.36	2.40	2.40	2.41	2.40	2.40	2.39	2.40	2.41	2.40	2.40	2.38	2.36
150	2.35	2.38	2.37	2.40	2.42	2.47	2.51	2.54	2.54	2.56	2.54	2.54	2.54	2.54	2.55	2.54	2.54	2.53	2.50
155	2.52	2.54	2.53	2.55	2.57	2.61	2.64	2.68	2.67	2.68	2.67	2.67	2.68	2.67	2.68	2.67	2.67	2.66	2.64
160	2.68	2.68	2.68	2.69	2.71	2.75	2.77	2.80	2.79	2.80	2.79	2.79	2.82	2.79	2.80	2.79	2.80	2.78	2.77
165	2.83	2.82	2.81	2.83	2.84	2.87	2.89	2.91	2.91	2.91	2.90	2.90	2.94	2.90	2.91	2.90	2.91	2.89	2.88
170	2.96	2.95	2.93	2.95	2.95	2.98	2.98	3.01	3.00	3.01	2.99	3.00	3.04	3.00	3.01	2.99	3.00	2.98	2.98
175	3.06	3.05	3.03	3.04	3.04	3.06	3.06	3.07	3.06	3.07	3.06	3.07	3.11	3.07	3.08	3.06	3.07	3.06	3.06
180	3.13	3.12	3.09	3.10	3.09	3.10	3.10	3.10	3.09	3.09	3.08	3.10	3.13	3.11	3.11	3.09	3.09	3.10	3.10

C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:DAMIN  
Test Date:2019-10-10

γ Range: 0 - 180DEG  
γ Interval: 1.0DEG  
Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.362  
Humidity:65.0%  
Test Distance:4.717m [K=1.0000]  
Remarks:

## LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:23.98V I:0.8181A P:19.62W PF:1.0000 Freq:0Hz Lamp Flux:757.478x1 lm		
NAME: LED Strip	TYPE:Indoor lighting	WEIGHT:25g
SPEC.:2835 128LED	DIM.: 1000*8*12MM	SERIAL No.:20191010003
MFR.: EVERFINE	SUR.:1000*6mm	Shielding Angle:

Table--2

UNIT: cd

C(DEC) γ (DEC)	285	300	315	330	345														
0	259	260	260	260	261														
5	258	260	261	261	262														
10	255	257	259	260	260														
15	250	252	255	256	256														
20	243	246	248	249	250														
25	233	236	239	240	241														
30	222	225	228	229	230														
35	209	212	215	217	217														
40	194	198	200	202	202														
45	177	181	183	186	186														
50	160	164	166	168	168														
55	141	145	146	148	149														
60	121	124	126	128	128														
65	99.1	102	104	106	107														
70	76.9	80.2	81.9	84.0	84.0														
75	54.2	57.2	59.1	60.9	61.2														
80	31.9	34.8	36.6	38.4	38.7														
85	12.8	15.1	16.2	18.1	18.4														
90	1.83	2.58	3.53	4.77	5.12														
95	0.89	0.87	0.90	1.01	1.09														
100	0.88	0.89	0.87	0.86	0.82														
105	1.01	0.99	0.98	0.97	0.94														
110	1.16	1.15	1.12	1.10	1.08														
115	1.32	1.29	1.25	1.25	1.23														
120	1.49	1.44	1.41	1.41	1.38														
125	1.65	1.60	1.56	1.55	1.53														
130	1.81	1.76	1.72	1.71	1.70														
135	1.98	1.93	1.89	1.87	1.86														
140	2.14	2.10	2.06	2.04	2.02														
145	2.30	2.26	2.22	2.20	2.20														
150	2.45	2.41	2.38	2.37	2.37														
155	2.59	2.56	2.53	2.53	2.52														
160	2.73	2.70	2.67	2.67	2.67														
165	2.85	2.83	2.80	2.80	2.80														
170	2.96	2.95	2.92	2.92	2.93														
175	3.04	3.04	3.02	3.02	3.03														
180	3.09	3.09	3.09	3.09	3.10														

C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:DAMIN  
Test Date:2019-10-10

γ Range: 0 - 180DEG  
γ Interval: 1.0DEG  
Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.362  
Humidity:65.0%  
Test Distance:4.717m [K=1.0000]  
Remarks: