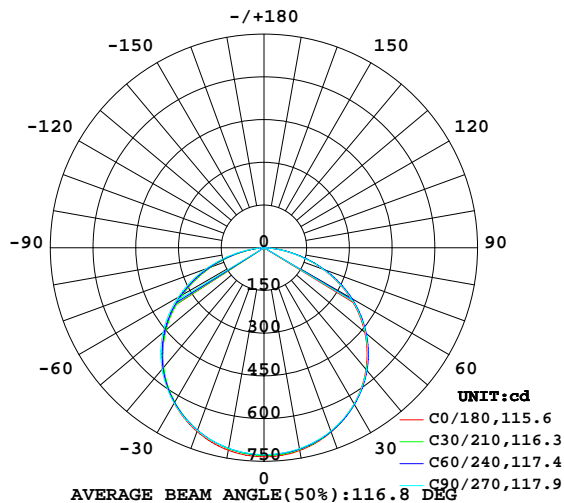


## LUMINAIRE PHOTOMETRIC TEST REPORT

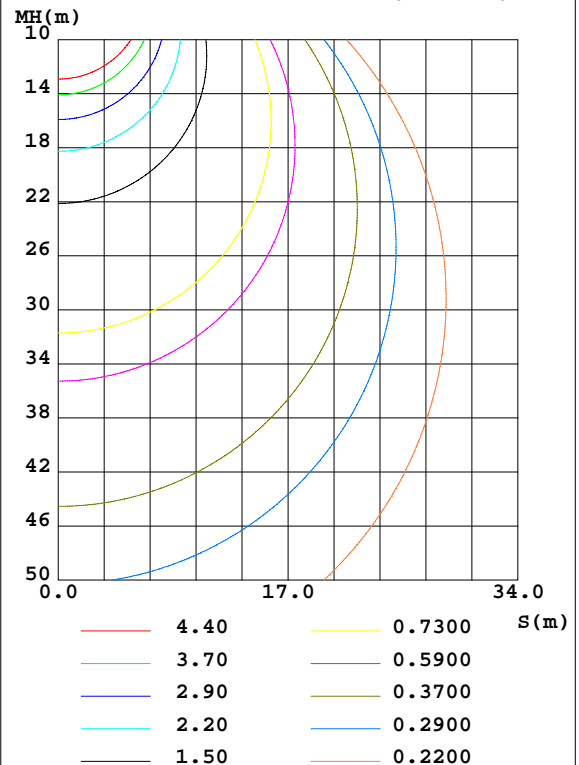
Test:U:24.00V I:0.7335A P:17.61W PF:0.9999 Freq:0Hz Lamp Flux:2163.53x1 lm		
NAME: LED Strip	TYPE:Indoor lighting	WEIGHT:
SPEC.:2835 210LED	DIM.: 1000*10*1MM	SERIAL No.:20180117003
MFR.: EVERFINE	SUR.:1000*10mm	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 122.89 lm/W			
MODEL	210B-24(WCP)-HR-ME	Imax(cd)	736.1	S/MH(C0/180)	1.27
NOMINAL POWER(W)	17.44	LOR(%)	100.0	S/MH(C90/270)	1.29
RATED VOLTAGE(V)	DC 24	TOTAL FLUX(lm)	2163.5	$\eta$ UP,DN(C0-180)	0.0,50.3
NOMINAL FLUX(lm)	2163.53	CIE CLASS	DIRECT	$\eta$ UP,DN(C180-360)	0.0,49.7
LAMPS INSIDE	1	$\eta$ up(%)	0.0	CIBSE SHR NOM	1.25
TEST VOLTAGE(V)	24	$\eta$ down(%)	100.0	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:2018-01-17

$\gamma$  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:

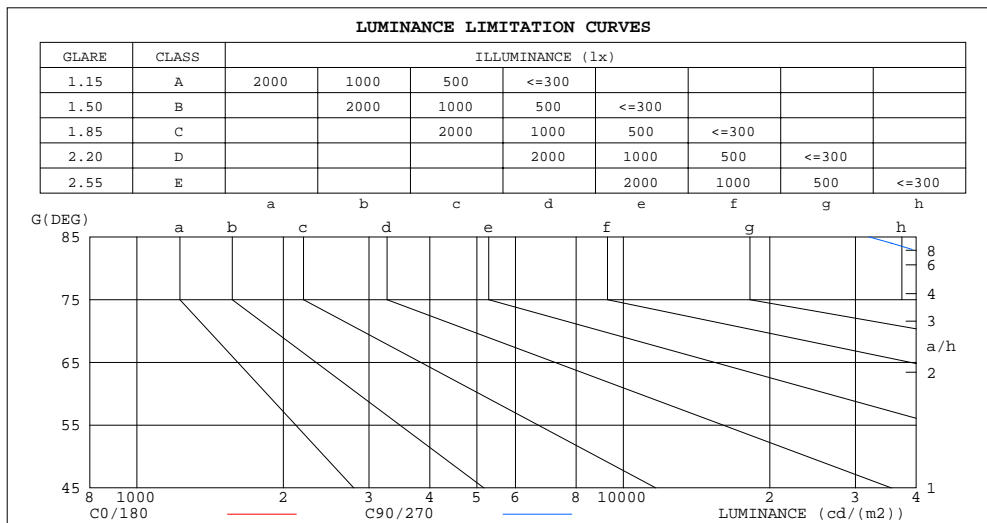
$\gamma$	C0	C45	C90	C135	C180	C225	C270	C315	$\gamma$	$\Phi$ zone	$\Phi$ total	$\%lum, lamp$
10	722.8	718.8	716.1	719.4	722.1	715.7	715.3	721.4	0- 10	69.15	69.15	3.2,3.2
20	688.8	687.6	684.9	685.5	686.9	681.7	683.4	689.4	10- 20	199.1	268.3	12.4,12.4
30	633.5	635.3	632.8	629.9	629.5	626.0	630.6	636.0	20- 30	305.0	573.3	26.5,26.5
40	557.5	562.4	559.6	552.7	550.3	548.9	557.1	561.6	30- 40	373.2	946.5	43.8,43.8
50	462.0	469.1	465.5	454.7	450.3	450.8	462.8	466.3	40- 50	393.7	1340	61.9,61.9
60	348.6	356.0	351.4	337.0	331.4	333.1	348.7	352.3	50- 60	361.3	1702	78.6,78.6
70	220.4	227.3	220.0	202.5	197.9	200.0	217.6	222.4	60- 70	276.4	1978	91.4,91.4
80	89.01	93.74	83.82	68.71	66.16	67.18	81.18	83.83	70- 80	152.2	2130	98.5,98.5
90	0.0438	1.319	0	0	0	0	0	0.2406	80- 90	32.63	2163	100,100
100	0	0	0	0	0	0	0	0	90-100	0.0136	2163	100,100
110	0	0	0	0	0	0	0	0	100-110	0	2163	100,100
120	0	0	0	0	0	0	0	0	110-120	0	2163	100,100
130	0	0	0	0	0	0	0	0	120-130	0	2163	100,100
140	0	0	0	0	0	0	0	0	130-140	0	2163	100,100
150	0	0.0004	0.2110	0.1493	0.0083	0.1637	0.2505	0.1174	140-150	0.0084	2163	100,100
160	0.7489	0.7662	0.9511	0.9513	0.8335	0.9087	0.9709	0.8941	150-160	0.2253	2163	100,100
170	1.497	1.426	1.545	1.613	1.550	1.526	1.562	1.545	160-170	0.3400	2163	100,100
180	1.926	1.834	1.887	1.954	1.924	1.839	1.883	1.949	170-180	0.1627	2164	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:2018-01-17

$\gamma$  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:

## LUMINANCE LIMITATION CURVES

Test:U:24.00V I:0.7335A P:17.61W PF:0.9999 Freq:0Hz Lamp Flux:2163.53x1 lm		
NAME: LED Strip	TYPE:Indoor lighting	WEIGHT:
SPEC.:2835 210LED	DIM.: 1000*10*1MM	SERIAL No.:20180117003
MFR.: EVERFINE	SUR.:1000*10mm	Shielding Angle:



LUMINANCE cd/(m2)		
G( DEG )	C0/180	C90/270
85	38083	31959
80	51260	48268
75	59435	58314
70	64440	64316
65	67686	68024
60	69718	70279
55	71033	71647
50	71875	72424
45	72402	72837

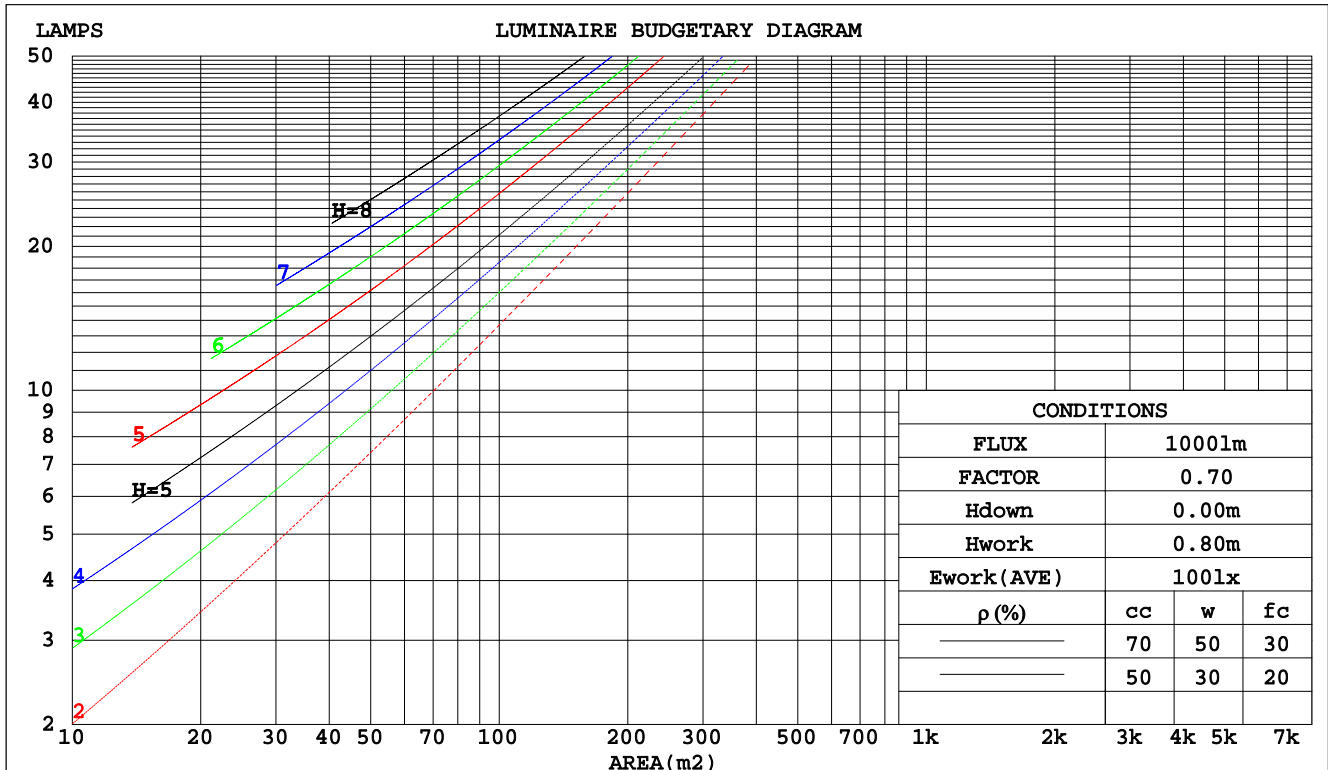
C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:DAMIN  
Test Date:2018-01-17

$\gamma$  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:24.00V I:0.7335A P:17.61W PF:0.9999 Freq:0Hz Lamp Flux:2163.53x1 lm		
NAME: LED Strip	TYPE:Indoor lighting	WEIGHT:
SPEC.:2835 210LED	DIM.: 1000*10*1MM	SERIAL No.:20180117003
MFR.: EVERFINE	SUR.:1000*10mm	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	1.11	1.11	1.11	1.06	1.06	1.06	1.02	1.02	1.02	.00
1.0	1.04	.00	.96	1.02	.98	.94	.97	.94	.91	.93	.91	.88	.90	.88	.86	.84
2.0	.90	.84	.78	.88	.82	.77	.85	.80	.75	.82	.77	.73	.79	.75	.72	.69
3.0	.79	.71	.64	.78	.70	.64	.75	.68	.63	.72	.66	.62	.69	.65	.60	.58
4.0	.70	.61	.54	.69	.60	.54	.66	.59	.53	.64	.58	.52	.62	.56	.52	.50
5.0	.62	.53	.47	.61	.53	.46	.59	.52	.46	.57	.51	.45	.55	.49	.45	.43
6.0	.56	.47	.41	.55	.47	.40	.53	.46	.40	.52	.45	.40	.50	.44	.39	.37
7.0	.51	.42	.36	.50	.42	.36	.48	.41	.35	.47	.40	.35	.46	.39	.35	.33
8.0	.46	.38	.32	.46	.37	.32	.44	.37	.31	.43	.36	.31	.42	.36	.31	.29
9.0	.42	.34	.29	.42	.34	.28	.41	.33	.28	.40	.33	.28	.39	.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:2018-01-17

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:24.00V I:0.7335A P:17.61W PF:0.9999 Freq:0Hz Lamp Flux:2163.53x1 lm		
NAME: LED Strip	TYPE:Indoor lighting	WEIGHT:
SPEC.:2835 210LED	DIM.: 1000*10*1MM	SERIAL No.:20180117003
MFR.: EVERFINE	SUR.:1000*10mm	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	.308	.175	.056	.301	.172	.055	.288	.165	.053	.276	.159	.051	.264	.153	.049		
2.0	.292	.160	.049	.286	.157	.049	.274	.152	.047	.263	.148	.046	.253	.143	.045		
3.0	.271	.144	.043	.265	.142	.043	.255	.138	.042	.245	.135	.041	.237	.131	.041		
4.0	.250	.130	.038	.245	.128	.038	.236	.125	.037	.228	.122	.037	.220	.119	.036		
5.0	.232	.118	.034	.227	.117	.034	.219	.114	.034	.211	.112	.033	.204	.109	.033		
6.0	.215	.108	.031	.211	.107	.031	.204	.104	.030	.197	.102	.030	.190	.100	.030		
7.0	.200	.099	.028	.196	.098	.028	.190	.096	.028	.184	.094	.027	.178	.093	.027		
8.0	.187	.091	.026	.184	.090	.026	.178	.089	.025	.172	.087	.025	.167	.086	.025		
9.0	.175	.085	.024	.172	.084	.024	.167	.083	.023	.162	.081	.023	.157	.080	.023		
10.0	.164	.079	.022	.162	.078	.022	.157	.077	.022	.153	.076	.022	.149	.075	.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	.191	.191	.191	.163	.163	.163	.111	.111	.111	.064	.064	.064	.020	.020	.020	
1.0	.180	.156	.135	.154	.134	.116	.106	.092	.080	.061	.053	.047	.019	.017	.015	
2.0	.173	.132	.098	.148	.114	.085	.101	.079	.059	.058	.046	.035	.019	.015	.011	
3.0	.165	.115	.074	.141	.099	.065	.097	.069	.045	.056	.040	.027	.018	.013	.009	
4.0	.157	.101	.058	.135	.088	.051	.093	.061	.036	.054	.036	.021	.017	.012	.007	
5.0	.150	.091	.047	.129	.079	.041	.089	.055	.029	.051	.032	.017	.017	.011	.006	
6.0	.143	.083	.039	.123	.071	.034	.085	.050	.024	.049	.029	.014	.016	.010	.005	
7.0	.136	.076	.033	.117	.066	.029	.081	.046	.021	.047	.027	.012	.015	.009	.004	
8.0	.130	.070	.029	.112	.061	.025	.077	.043	.018	.045	.025	.011	.015	.008	.004	
9.0	.124	.065	.025	.106	.056	.022	.074	.040	.016	.043	.023	.009	.014	.008	.003	
10.0	.118	.061	.023	.102	.053	.020	.070	.037	.014	.041	.022	.008	.013	.007	.003	

C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:DAMIN  
Test Date:2018-01-17

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:24.00V I:0.7335A P:17.61W PF:0.9999 Freq:0Hz Lamp Flux:2163.53x1 lm											
NAME: LED Strip					TYPE:Indoor lighting			WEIGHT:			
SPEC.:2835 210LED					DIM.: 1000*10*1MM			SERIAL No.:20180117003			
MFR.: EVERFINE					SUR.:1000*10mm			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	25.2	26.7	25.5	26.9	27.1	25.2	26.8	25.5	27.0	27.2	
	3H	26.8	28.2	27.1	28.4	28.7	26.8	28.2	27.1	28.5	28.7
	4H	27.4	28.7	27.7	29.0	29.3	27.4	28.8	27.8	29.0	29.3
	6H	27.8	29.1	28.2	29.4	29.6	27.8	29.1	28.2	29.4	29.6
	8H	27.9	29.2	28.3	29.4	29.7	27.9	29.1	28.3	29.4	29.7
	12H	28.0	29.2	28.3	29.5	29.8	27.9	29.1	28.3	29.4	29.7
4H	2H	25.8	27.2	26.2	27.4	27.7	25.9	27.2	26.2	27.5	27.8
	3H	27.6	28.8	28.0	29.1	29.4	27.7	28.8	28.0	29.1	29.4
	4H	28.4	29.4	28.7	29.8	30.1	28.4	29.5	28.8	29.8	30.1
	6H	28.9	29.9	29.3	30.2	30.6	28.9	29.9	29.3	30.2	30.6
	8H	29.1	30.0	29.5	30.3	30.7	29.0	29.9	29.5	30.3	30.7
	12H	29.2	30.0	29.6	30.4	30.8	29.1	29.9	29.5	30.3	30.7
8H	4H	28.6	29.5	29.1	29.9	30.3	28.7	29.6	29.1	29.9	30.3
	6H	29.3	30.1	29.8	30.5	30.9	29.3	30.1	29.8	30.5	30.9
	8H	29.6	30.2	30.0	30.7	31.1	29.5	30.2	30.0	30.6	31.1
	12H	29.7	30.3	30.2	30.7	31.2	29.7	30.2	30.1	30.7	31.2
12H	4H	28.7	29.5	29.1	29.9	30.3	28.7	29.5	29.1	29.9	30.3
	6H	29.4	30.0	29.8	30.5	30.9	29.4	30.0	29.8	30.5	30.9
	8H	29.7	30.2	30.1	30.7	31.2	29.6	30.2	30.1	30.6	31.1
Variations with the observer position at spacings:											
S = 1.0H	+ 0.1 / - 0.2					+ 0.1 / - 0.2					
1.5H	+ 0.2 / - 0.3					+ 0.2 / - 0.3					
2.0H	+ 0.2 / - 0.4					+ 0.2 / - 0.4					

CIE Pub.117, 2164 lm Total Lamp Luminous Flux Correct ( $8\log(F/F_0) = 2.7$ )

C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:DAMIN  
Test Date:2018-01-17

$\gamma$  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:

## UTILIZATION FACTORS TABLE

Test:U:24.00V I:0.7335A P:17.61W PF:0.9999 Freq:0Hz Lamp Flux:2163.53x1 lm		
NAME: LED Strip	TYPE:Indoor lighting	WEIGHT:
SPEC.:2835 210LED	DIM.: 1000*10*1MM	SERIAL No.:20180117003
MFR.: EVERFINE	SUR.:1000*10mm	Shielding Angle:

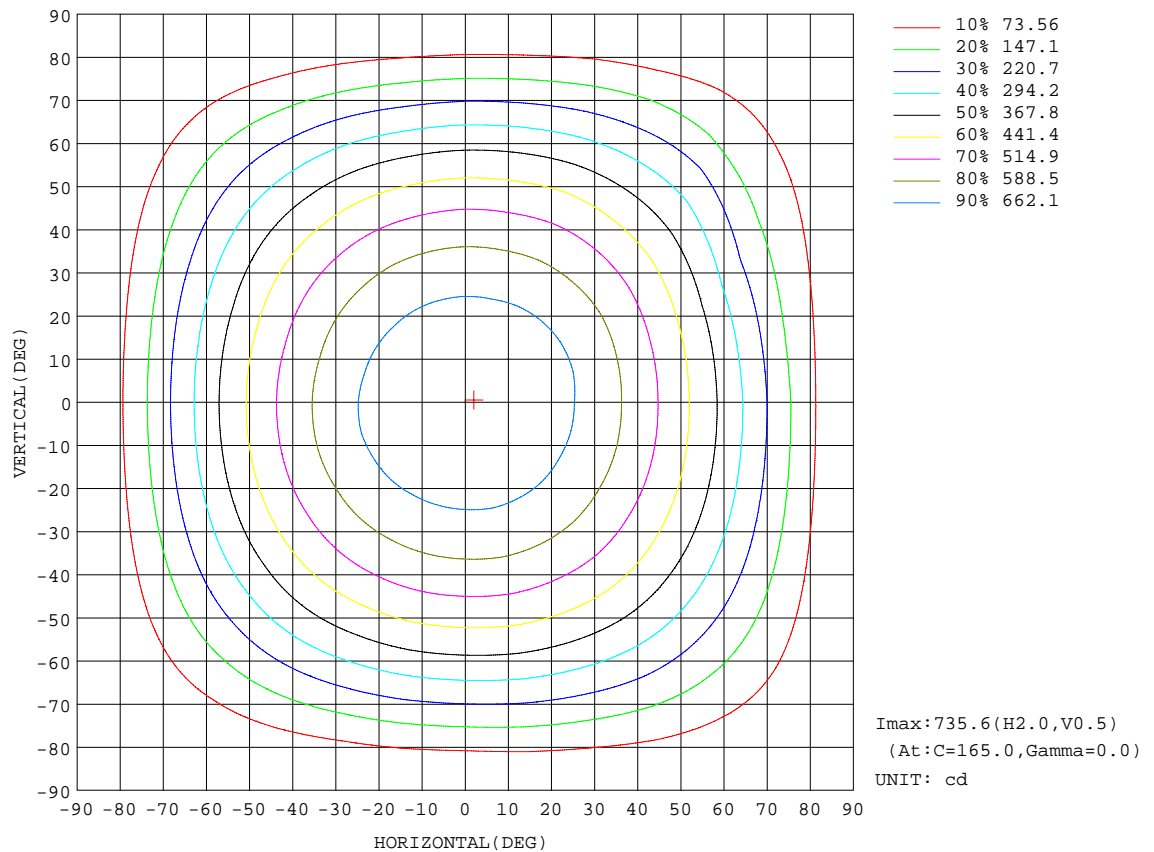
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT)    k(RI) x RCR = 5									
k = 0.60	57	45	38	56	45	38	55	45	38	31
0.80	67	55	48	66	55	48	64	54	47	40
1.00	76	64	57	74	64	57	72	65	56	49
1.25	83	72	65	81	71	65	79	70	64	56
1.50	88	78	71	86	77	70	83	75	69	62
2.00	95	86	80	93	85	79	89	83	77	70
2.50	99	91	85	97	90	84	93	87	82	74
3.00	102	95	90	100	94	89	96	91	87	78
4.00	106	101	96	104	99	95	100	95	92	83
5.00	109	104	100	106	102	98	102	98	95	86
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:2018-01-17

$\gamma$  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:

## ISOCANDELA DIAGRAM

Test:U:24.00V I:0.7335A P:17.61W PF:0.9999 Freq:0Hz Lamp Flux:2163.53x1 lm		
NAME: LED Strip	TYPE:Indoor lighting	WEIGHT:
SPEC.:2835 210LED	DIM.: 1000*10*1MM	SERIAL No.:20180117003
MFR.: EVERFINE	SUR.:1000*10mm	Shielding Angle:



C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature: 25.3DEG  
Operators: DAMIN  
Test Date: 2018-01-17

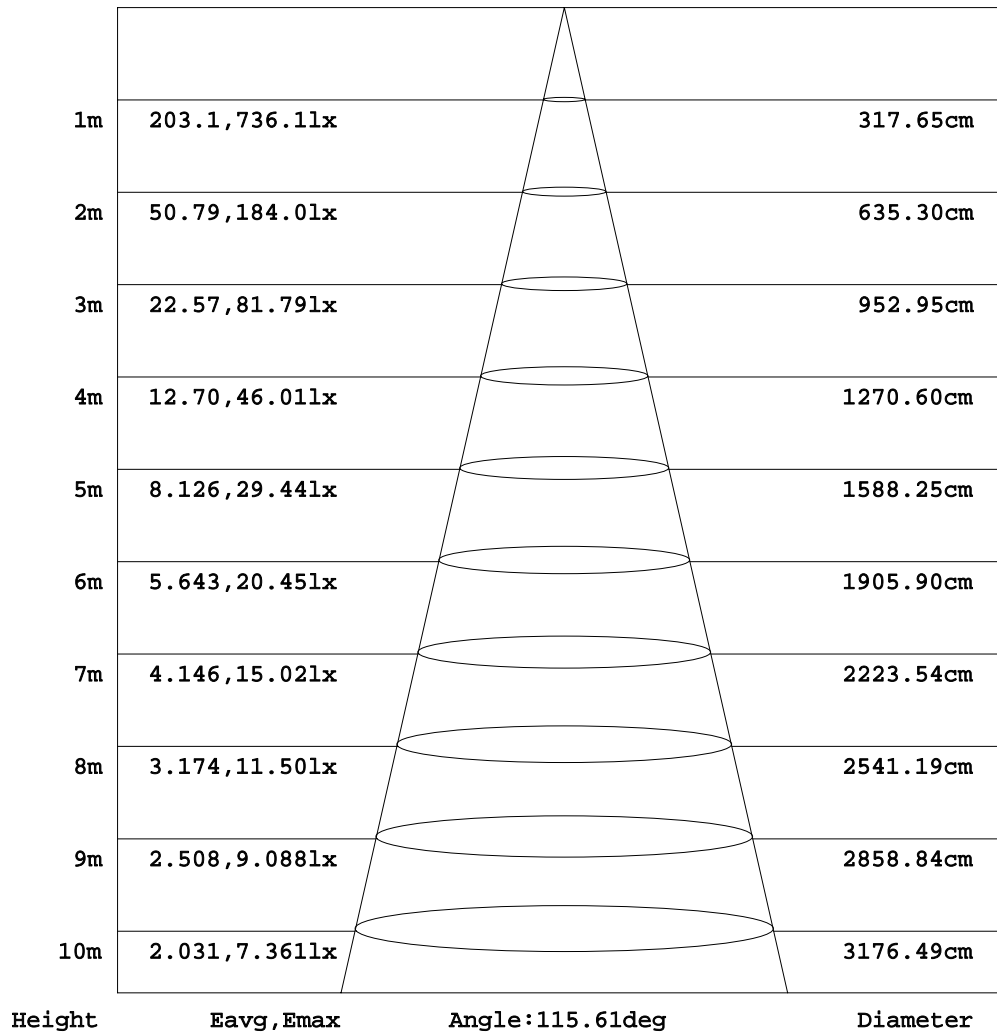
$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
Test System: EVERFINE GO-2000B\_V1 SYSTEM V2.0.362  
Humidity: 65.0%  
Test Distance: 4.950m [K=1.0000]  
Remarks:



### AAI Figure

Test:U:24.00V I:0.7335A P:17.61W PF:0.9999 Freq:0Hz Lamp Flux:2163.53x1 lm		
NAME: LED Strip	TYPE:Indoor lighting	WEIGHT:
SPEC.:2835 210LED	DIM.: 1000*10*1MM	SERIAL No.:20180117003
MFR.: EVERFINE	SUR.:1000*10mm	Shielding Angle:

Flux out:1634 lm



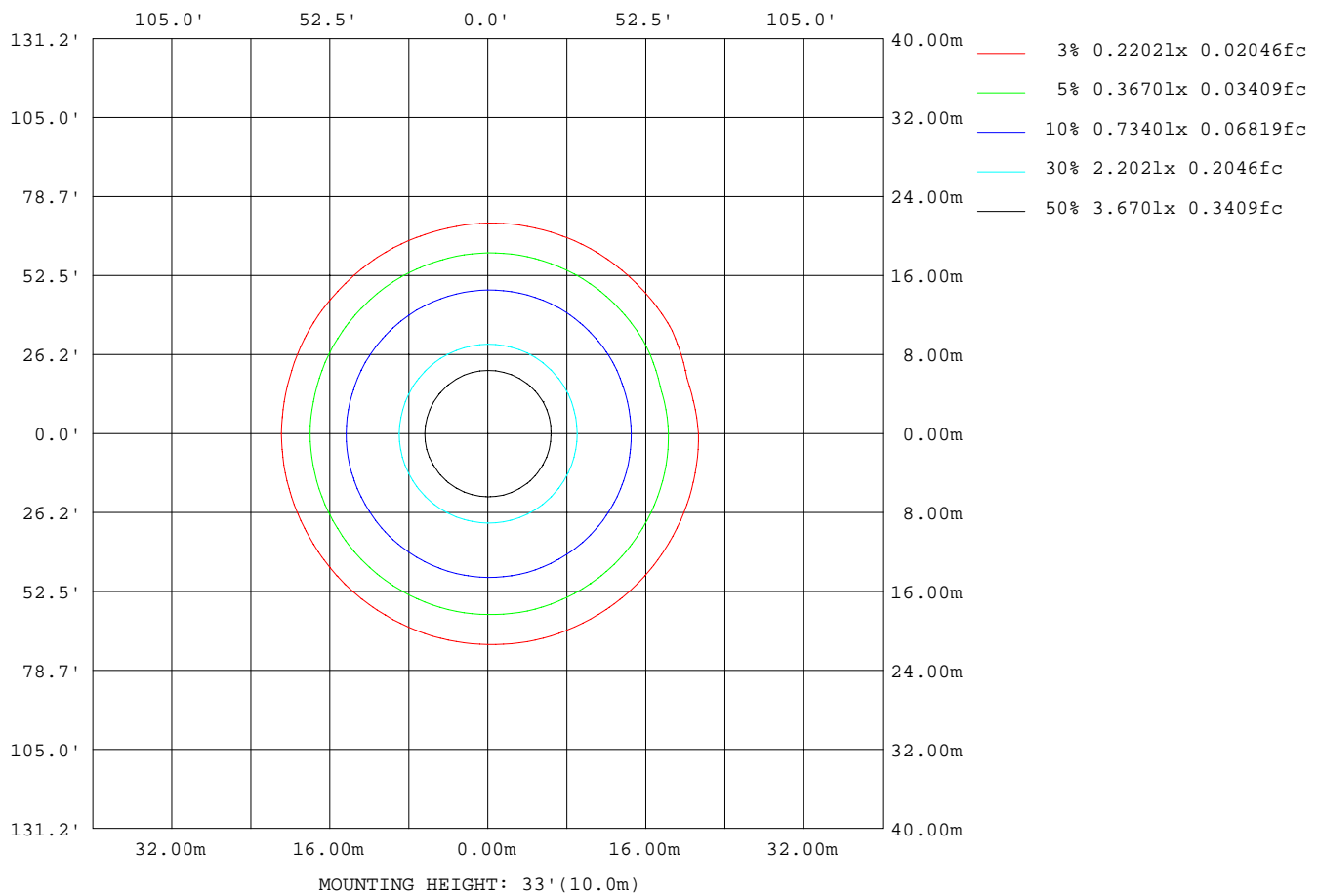
Note: The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature: 25.3DEG  
 Operators: DAMIN  
 Test Date: 2018-01-17

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:24.00V I:0.7335A P:17.61W PF:0.9999 Freq:0Hz Lamp Flux:2163.53x1 lm		
NAME: LED Strip	TYPE:Indoor lighting	WEIGHT:
SPEC.:2835 210LED	DIM.: 1000*10*1MM	SERIAL No.:20180117003
MFR.: EVERFINE	SUR.:1000*10mm	Shielding Angle:



C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:DAMIN  
Test Date:2018-01-17

$\gamma$  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:

## LED Avg.L Report

Test:U:24.00V I:0.7335A P:17.61W PF:0.9999 Freq:0Hz Lamp Flux:2163.53x1 lm		
NAME: LED Strip	TYPE:Indoor lighting	WEIGHT:
SPEC.:2835 210LED	DIM.: 1000*10*1MM	SERIAL No.:20180117003
MFR.: EVERFINE	SUR.:1000*10mm	Shielding Angle:

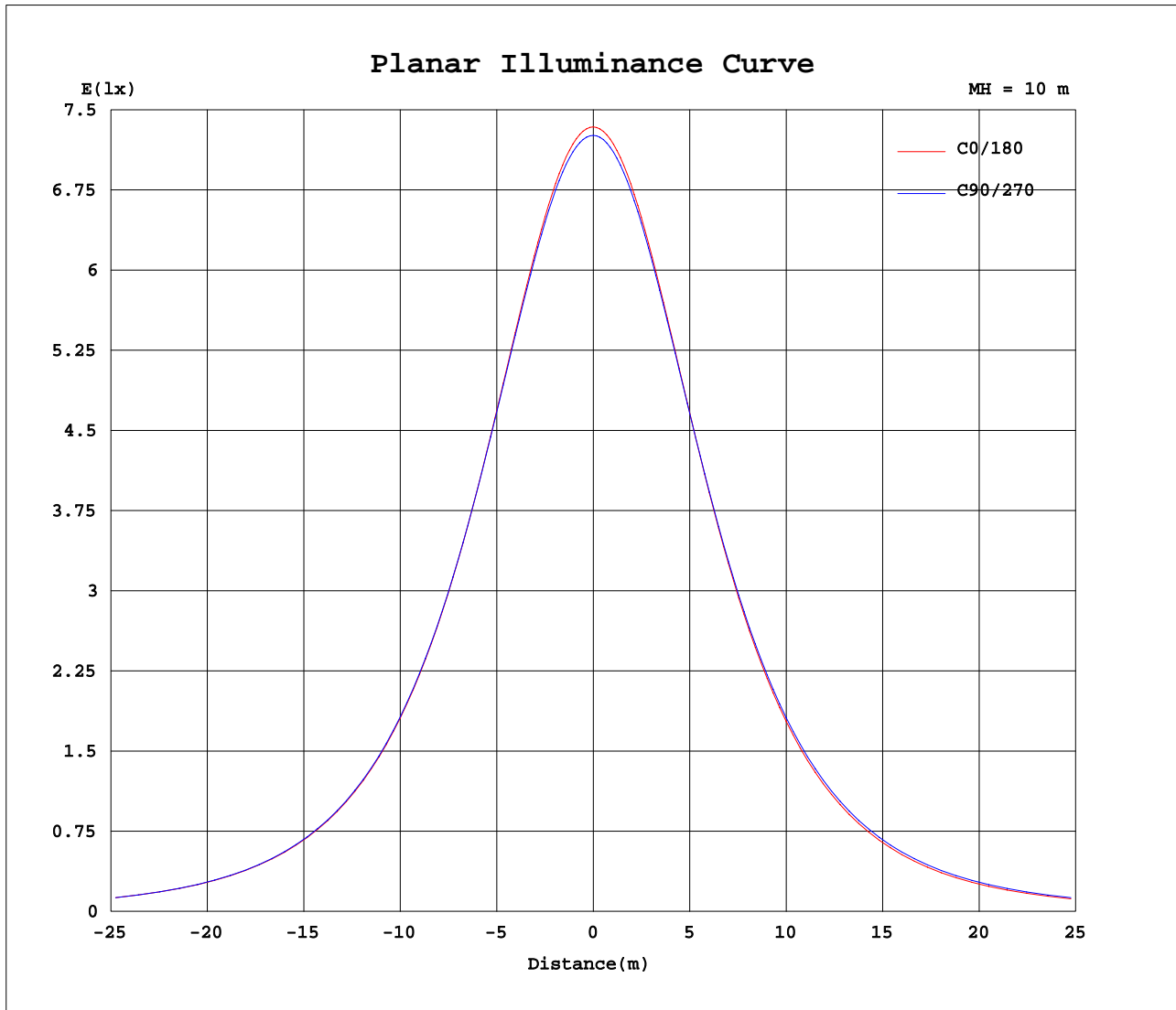
AvgL	cd/m2
L_0~180(65)av	65301
L_0~180(75)av	54810
L_0~180(85)av	28186
L_90~270(65)av	67728
L_90~270(75)av	57766
L_90~270(85)av	30500
L_45(65)av	66346
L_45(75)av	56012
L_45(85)av	29114

Standard: GB/T 29293-2012

C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:DAMIN  
Test Date:2018-01-17

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: 2018-01-17

$\gamma$  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:24.00V I:0.7335A P:17.61W PF:0.9999 Freq:0Hz Lamp Flux:2163.53x1 lm		
NAME: LED Strip	TYPE:Indoor lighting	WEIGHT:
SPEC.:2835 210LED	DIM.: 1000*10*1MM	SERIAL No.:20180117003
MFR.: EVERFINE	SUR.:1000*10mm	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	734	732	730	728	727	727	726	726	728	731	733	736	734	732	730	728	727	727	726
5	731	729	728	726	725	725	724	723	725	728	730	733	731	728	726	725	724	724	723
10	723	721	720	719	718	717	716	716	717	719	721	724	722	719	717	716	715	715	715
15	708	708	706	706	705	705	703	702	703	705	706	709	707	704	703	701	701	702	702
20	689	688	687	688	687	687	685	684	684	685	686	688	687	684	683	682	682	683	683
25	664	664	663	664	664	664	661	660	660	660	661	662	661	658	657	656	658	658	660
30	633	634	634	635	635	635	633	631	630	630	629	631	630	626	626	626	628	629	631
35	598	599	599	601	602	602	599	597	595	594	593	594	592	589	590	590	593	594	596
40	558	559	560	562	563	563	560	557	554	553	550	551	550	547	548	549	552	554	557
45	512	514	515	518	518	519	515	513	509	506	503	504	503	500	501	502	506	508	513
50	462	464	466	469	469	470	466	463	458	455	451	451	450	447	450	451	455	458	463
55	407	410	412	415	415	415	411	407	402	398	393	393	393	390	393	394	399	402	408
60	349	351	353	356	356	356	351	347	341	337	331	331	331	329	331	333	339	343	349
65	286	289	291	293	293	293	287	283	276	271	266	265	266	264	266	268	274	278	285
70	220	224	225	227	226	226	220	215	208	202	197	196	198	195	198	200	206	210	218
75	154	157	158	160	158	157	151	147	139	134	128	128	130	128	130	132	137	141	148
80	89.0	92.2	92.1	93.7	91.2	90.2	83.8	80.4	72.4	68.7	63.9	64.6	66.2	64.1	66.5	67.2	72.3	75.6	81.2
85	33.2	35.7	35.5	36.3	33.7	32.3	27.9	25.3	19.4	17.3	14.8	15.5	15.9	14.8	16.2	16.6	19.5	21.7	25.3
90	0.04	1.04	1.02	1.32	0.04	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
95	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
100	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
105	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
110	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
115	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
120	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
125	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
130	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
135	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
140	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
145	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
150	0.00	0.00	0.00	0.00	0.03	0.11	0.21	0.25	0.23	0.15	0.09	0.00	0.01	0.04	0.09	0.16	0.22	0.26	0.25
155	0.32	0.38	0.37	0.38	0.43	0.51	0.60	0.64	0.63	0.57	0.49	0.42	0.42	0.44	0.48	0.55	0.60	0.64	0.62
160	0.75	0.77	0.76	0.77	0.81	0.88	0.95	1.00	0.99	0.95	0.89	0.87	0.83	0.81	0.85	0.91	0.95	0.99	0.97
165	1.16	1.14	1.11	1.11	1.16	1.22	1.27	1.31	1.33	1.30	1.26	1.28	1.22	1.16	1.19	1.24	1.28	1.29	1.29
170	1.50	1.46	1.42	1.43	1.46	1.51	1.55	1.59	1.61	1.61	1.60	1.62	1.55	1.47	1.49	1.53	1.56	1.56	1.56
175	1.75	1.71	1.66	1.68	1.70	1.74	1.76	1.80	1.82	1.85	1.86	1.99	1.79	1.71	1.73	1.74	1.76	1.76	1.77
180	1.93	1.85	1.83	1.83	1.85	1.87	1.89	1.90	1.93	1.95	1.98	2.16	1.92	1.84	1.83	1.84	1.85	1.87	1.88

C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:DAMIN  
Test Date:2018-01-17

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:24.00V I:0.7335A P:17.61W PF:0.9999 Freq:0Hz Lamp Flux:2163.53x1 lm		
NAME: LED Strip	TYPE:Indoor lighting	WEIGHT:
SPEC.:2835 210LED	DIM.: 1000*10*1MM	SERIAL No.:20180117003
MFR.: EVERFINE	SUR.:1000*10mm	Shielding Angle:

Table--2

UNIT: cd

C(DEC) γ (DEC)	285	300	315	330	345														
0	726	728	731	733	736														
5	723	726	729	731	734														
10	715	718	721	723	725														
15	702	705	708	710	712														
20	684	687	689	691	692														
25	660	663	665	667	667														
30	631	635	636	638	636														
35	597	601	601	603	600														
40	558	562	562	563	559														
45	514	518	517	516	512														
50	465	469	466	466	461														
55	411	415	412	411	405														
60	352	354	352	351	339														
65	288	290	289	289	266														
70	220	223	222	223	197														
75	151	154	155	147	112														
80	83.5	86.9	83.8	84.8	82.2														
85	25.6	29.2	31.3	27.3	33.7														
90	0.00	0.00	0.24	1.34	0.88														
95	0.00	0.00	0.00	0.00	0.00														
100	0.00	0.00	0.00	0.00	0.00														
105	0.00	0.00	0.00	0.00	0.00														
110	0.00	0.00	0.00	0.00	0.00														
115	0.00	0.00	0.00	0.00	0.00														
120	0.00	0.00	0.00	0.00	0.00														
125	0.00	0.00	0.00	0.00	0.00														
130	0.00	0.00	0.00	0.00	0.00														
135	0.00	0.00	0.00	0.00	0.00														
140	0.00	0.00	0.00	0.00	0.00														
145	0.00	0.00	0.00	0.00	0.00														
150	0.19	0.12	0.12	0.12	0.27														
155	0.57	0.53	0.52	0.54	0.70														
160	0.93	0.90	0.89	0.93	1.09														
165	1.27	1.25	1.24	1.28	1.46														
170	1.55	1.55	1.55	1.59	1.79														
175	1.77	1.79	1.80	1.83	2.03														
180	1.90	1.93	1.95	1.99	2.15														

C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:DAMIN  
Test Date:2018-01-17

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: