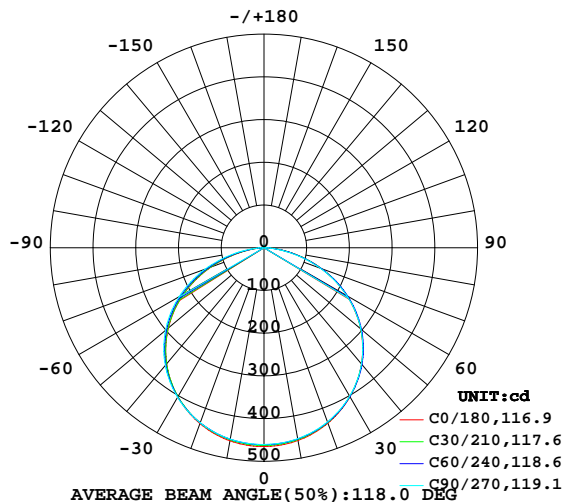


## LUMINAIRE PHOTOMETRIC TEST REPORT

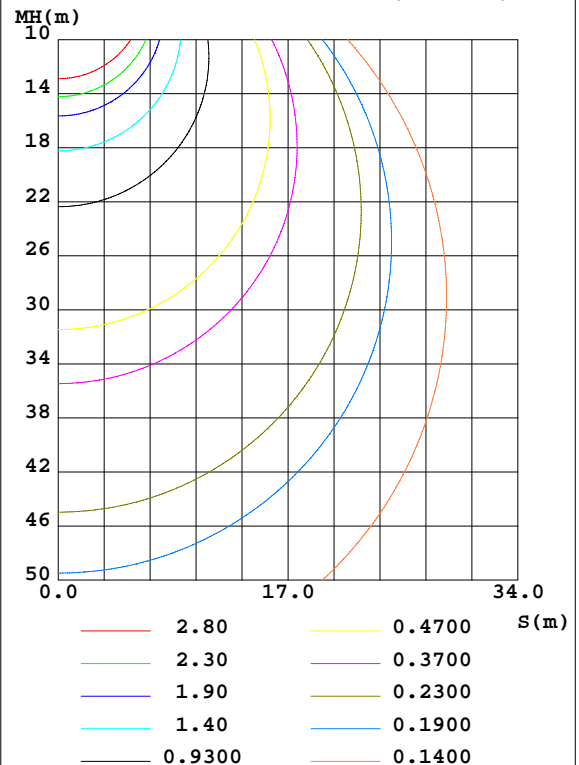
Test:U:24.01V I:0.7049A P:16.92W PF:1.000 Freq:0Hz Lamp Flux:1415.72x1 lm		
NAME: LED Strip	TYPE:Indoor lighting	WEIGHT:25g
SPEC.:2835 120LED	DIM.: 1000*10*1MM	SERIAL No.:20180825002
MFR.: EVERFINE	SUR.:1000*10mm	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 83.65 lm/W			
MODEL	120B-24(WCP)-HR-DT	Imax(cd)	465.2	S/MH(C0/180)	1.29
NOMINAL POWER(W)	16.92	LOR(%)	100.0	S/MH(C90/270)	1.31
RATED VOLTAGE(V)	DC 24	TOTAL FLUX(lm)	1415.7	$\eta$ UP,DN(C0-180)	0.7,49.1
NOMINAL FLUX(lm)	1415.72	CIE CLASS	DIRECT	$\eta$ UP,DN(C180-360)	0.7,49.6
LAMPS INSIDE	1	$\eta$ up(%)	1.3	CIBSE SHR NOM	1.25
TEST VOLTAGE(V)	DC 24	$\eta$ down(%)	98.7	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:2018-08-25

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.362  
Humidity:65.0%  
Test Distance:4.706m [K=1.0000]  
Remarks:

## ZONAL FLUX DIAGRAM

## ZONAL FLUX DIAGRAM:

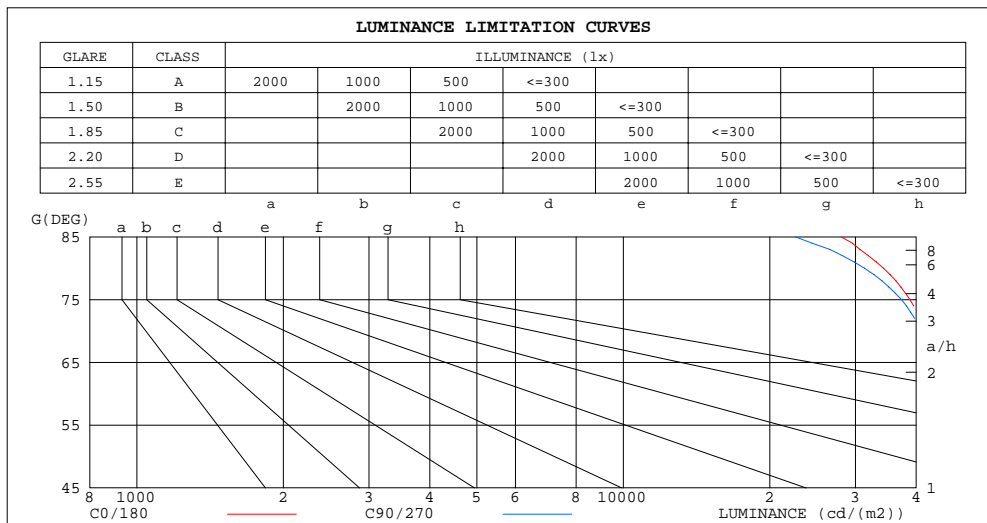
$\gamma$	C0	C45	C90	C135	C180	C225	C270	C315	$\gamma$	$\Phi$ zone	$\Phi$ total	$\%lum, lamp$
10	458.2	455.8	453.8	456.5	458.9	455.9	454.9	457.7	0- 10	43.85	43.85	3.1,3.1
20	437.1	435.8	434.1	435.7	438.1	436.0	436.2	438.3	10- 20	126.5	170.3	12,12
30	402.5	402.7	401.2	401.1	403.3	402.4	404.4	405.3	20- 30	194.2	364.5	25.7,25.7
40	355.1	356.6	355.2	352.9	354.5	355.0	359.4	359.2	30- 40	238.4	602.9	42.6,42.6
50	295.3	297.8	295.9	291.4	292.1	294.1	301.0	300.7	40- 50	252.6	855.5	60.4,60.4
60	223.9	226.5	223.7	216.8	217.0	220.2	229.4	230.1	50- 60	233.3	1089	76.9,76.9
70	142.8	144.7	140.4	130.9	131.7	135.3	146.7	148.3	60- 70	180.6	1269	89.7,89.7
80	59.51	60.06	54.38	45.37	46.58	49.61	60.22	63.45	70- 80	102.2	1372	96.9,96.9
90	3.362	3.870	2.388	1.844	1.484	1.831	2.880	4.347	80- 90	25.47	1397	98.7,98.7
100	1.453	1.591	1.682	1.621	1.556	1.608	1.682	1.530	90-100	1.842	1399	98.8,98.8
110	2.005	2.107	2.282	2.191	2.116	2.205	2.266	2.102	100-110	1.963	1401	98.9,98.9
120	2.604	2.702	2.892	2.795	2.710	2.806	2.872	2.692	110-120	2.435	1403	99.1,99.1
130	3.214	3.312	3.502	3.413	3.310	3.411	3.469	3.292	120-130	2.737	1406	99.3,99.3
140	3.842	3.938	4.096	4.020	3.907	4.006	4.063	3.905	130-140	2.836	1409	99.5,99.5
150	4.430	4.507	4.630	4.565	4.474	4.547	4.600	4.478	140-150	2.666	1412	99.7,99.7
160	4.993	5.009	5.083	5.039	5.013	5.025	5.071	4.979	150-160	2.207	1414	99.9,99.9
170	5.446	5.407	5.448	5.430	5.457	5.415	5.446	5.387	160-170	1.477	1415	100,100
180	5.697	5.630	5.648	5.636	5.697	5.631	5.648	5.628	170-180	0.5267	1416	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:2018-08-25

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
 Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.362  
 Humidity:65.0%  
 Test Distance:4.706m [K=1.0000]  
 Remarks:

## LUMINANCE LIMITATION CURVES

Test:U:24.01V I:0.7049A P:16.92W PF:1.000 Freq:0Hz Lamp Flux:1415.72x1 lm		
NAME: LED Strip	TYPE:Indoor lighting	WEIGHT:25g
SPEC.:2835 120LED	DIM.: 1000*10*1MM	SERIAL No.:20180825002
MFR.: EVERFINE	SUR.:1000*10mm	Shielding Angle:



LUMINANCE cd/(m2)		
G(DEG)	C0/180	C90/270
85	28049	22567
80	34270	31316
75	38819	37289
70	41748	41037
65	43613	43346
60	44772	44741
55	45498	45572
50	45942	46040
45	46197	46267

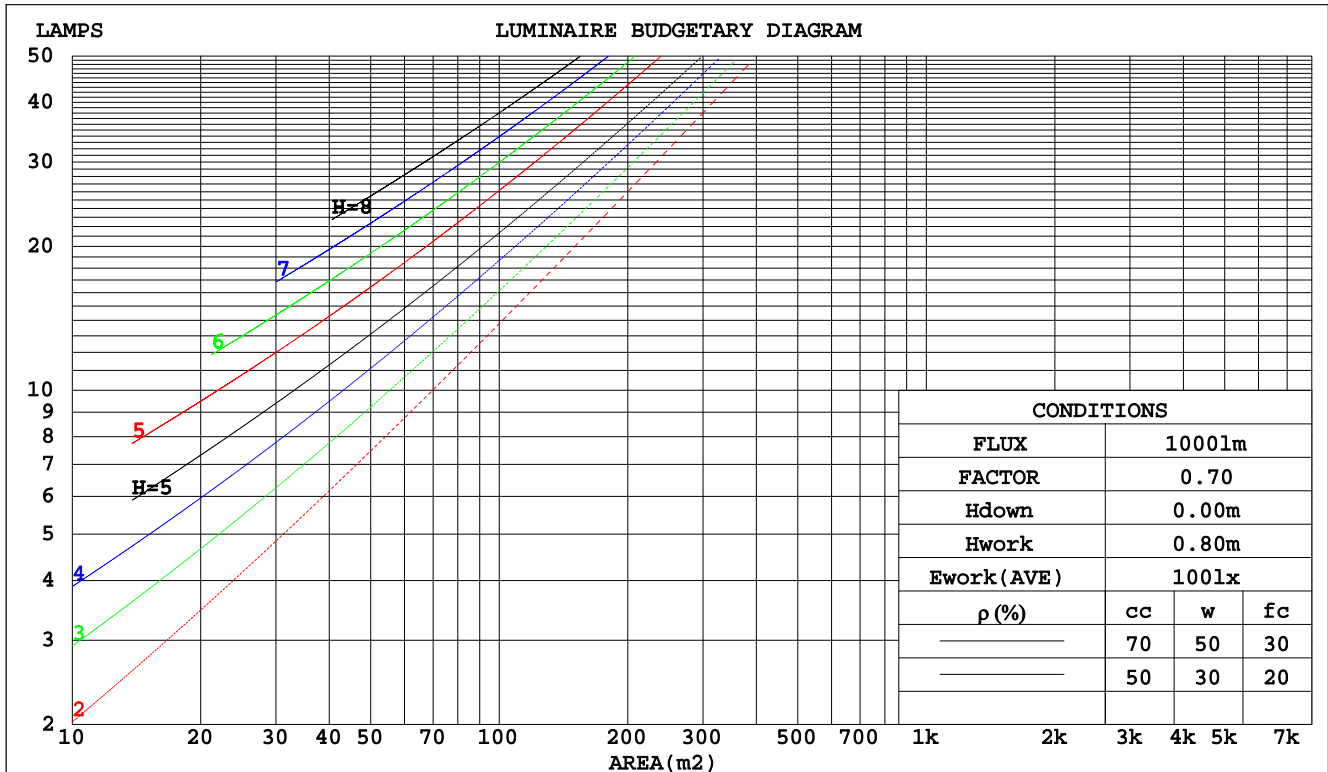
C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:DAMIN  
Test Date:2018-08-25

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.362  
Humidity:65.0%  
Test Distance:4.706m [K=1.0000]  
Remarks:

## CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:24.01V I:0.7049A P:16.92W PF:1.000 Freq:0Hz Lamp Flux:1415.72x1 lm		
NAME: LED Strip	TYPE:Indoor lighting	WEIGHT:25g
SPEC.:2835 120LED	DIM.: 1000*10*1MM	SERIAL No.:20180825002
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	1.10	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	.93	.96	.93	.90	.92	.90	.87	.89	.86	.84	.82
2.0	.90	.83	.77	.88	.81	.76	.84	.79	.74	.81	.76	.72	.77	.74	.70	.68
3.0	.79	.70	.64	.77	.69	.63	.74	.67	.62	.71	.65	.60	.68	.63	.59	.57
4.0	.69	.61	.54	.68	.60	.53	.65	.58	.52	.63	.57	.51	.60	.55	.51	.48
5.0	.62	.53	.46	.61	.52	.46	.58	.51	.45	.56	.50	.44	.54	.48	.44	.42
6.0	.56	.47	.40	.55	.46	.40	.53	.45	.39	.51	.44	.39	.49	.43	.38	.36
7.0	.50	.41	.35	.49	.41	.35	.48	.40	.35	.46	.39	.34	.45	.39	.34	.32
8.0	.46	.37	.31	.45	.37	.31	.44	.36	.31	.42	.36	.31	.41	.35	.30	.28
9.0	.42	.34	.28	.41	.33	.28	.40	.33	.28	.39	.32	.28	.38	.32	.27	.25
10.0	.39	.31	.25	.38	.30	.25	.37	.30	.25	.36	.30	.25	.35	.29	.25	.23



C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:DAMIN  
 Test Date:2018-08-25

γ Range: 0 - 180DEG  
 γ Interval: 1.0DEG  
 Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.362  
 Humidity:65.0%  
 Test Distance:4.706m [K=1.0000]  
 Remarks:

## WEC AND CCEC

Test:U:24.01V I:0.7049A P:16.92W PF:1.000 Freq:0Hz Lamp Flux:1415.72x1 lm		
NAME: LED Strip	TYPE:Indoor lighting	WEIGHT:25g
SPEC.:2835 120LED	DIM.: 1000*10*1MM	SERIAL No.:20180825002
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	.313	.178	.056	.305	.174	.055	.291	.167	.053	.278	.161	.052	.266	.154	.050		
2.0	.295	.162	.050	.288	.159	.049	.276	.153	.048	.264	.148	.046	.254	.143	.045		
3.0	.273	.145	.043	.267	.143	.043	.256	.139	.042	.246	.135	.041	.236	.131	.040		
4.0	.252	.131	.038	.246	.129	.038	.237	.125	.037	.227	.122	.037	.219	.119	.036		
5.0	.232	.118	.034	.228	.117	.034	.219	.114	.034	.211	.111	.033	.203	.109	.033		
6.0	.215	.108	.031	.211	.107	.031	.203	.104	.030	.196	.102	.030	.189	.100	.030		
7.0	.200	.099	.028	.197	.098	.028	.190	.096	.028	.183	.094	.027	.177	.092	.027		
8.0	.187	.091	.026	.184	.090	.026	.177	.089	.025	.171	.087	.025	.166	.085	.025		
9.0	.175	.085	.024	.172	.084	.024	.166	.082	.023	.161	.081	.023	.156	.079	.023		
10.0	.165	.079	.022	.162	.078	.022	.157	.077	.022	.152	.075	.021	.147	.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	.171	.171	.171	.117	.117	.117	.067	.067	.067	.021	.021	.021	
1.0	.191	.166	.144	.163	.143	.124	.112	.098	.086	.064	.057	.050	.021	.018	.016	
2.0	.183	.142	.108	.157	.122	.093	.107	.085	.065	.062	.049	.038	.020	.016	.012	
3.0	.175	.125	.084	.150	.107	.073	.103	.075	.051	.060	.044	.030	.019	.014	.010	
4.0	.168	.111	.068	.144	.096	.059	.099	.067	.042	.057	.039	.025	.018	.013	.008	
5.0	.160	.101	.057	.138	.087	.050	.095	.061	.035	.055	.036	.021	.018	.012	.007	
6.0	.153	.093	.049	.132	.080	.043	.091	.056	.030	.053	.033	.018	.017	.011	.006	
7.0	.146	.086	.043	.126	.074	.038	.087	.052	.027	.051	.031	.016	.016	.010	.005	
8.0	.140	.080	.039	.120	.069	.034	.083	.049	.024	.048	.029	.014	.016	.009	.005	
9.0	.134	.075	.036	.115	.065	.031	.080	.046	.022	.047	.027	.013	.015	.009	.004	
10.0	.128	.071	.033	.110	.062	.029	.077	.043	.020	.045	.026	.012	.014	.008	.004	

C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:DAMIN  
Test Date:2018-08-25

γ Range: 0 - 180DEG  
γ Interval: 1.0DEG  
Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.362  
Humidity:65.0%  
Test Distance:4.706m [K=1.0000]  
Remarks:

## UGR(Unified Glare Rating) Table

Test:U:24.01V I:0.7049A P:16.92W PF:1.000 Freq:0Hz Lamp Flux:1415.72x1 lm										
NAME: LED Strip					TYPE:Indoor lighting			WEIGHT:25g		
SPEC.:2835 120LED					DIM.: 1000*10*1MM			SERIAL No.:20180825002		
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	25.0	26.5	25.3	26.7	27.0	25.0	26.5	25.3	26.8	27.0
3H	26.6	28.0	26.9	28.3	28.5	26.6	28.0	26.9	28.3	28.5
4H	27.2	28.6	27.6	28.8	29.1	27.2	28.5	27.5	28.8	29.1
6H	27.7	28.9	28.0	29.2	29.5	27.6	28.9	28.0	29.2	29.5
8H	27.8	29.0	28.2	29.3	29.6	27.7	28.9	28.1	29.2	29.5
12H	27.9	29.0	28.2	29.4	29.7	27.7	28.9	28.1	29.2	29.6
4H 2H	25.6	27.0	26.0	27.2	27.5	25.7	27.0	26.0	27.3	27.6
3H	27.4	28.6	27.8	28.9	29.2	27.4	28.6	27.8	28.9	29.2
4H	28.2	29.2	28.6	29.6	30.0	28.2	29.2	28.6	29.6	29.9
6H	28.7	29.7	29.2	30.1	30.5	28.7	29.6	29.1	30.0	30.4
8H	28.9	29.8	29.4	30.2	30.6	28.8	29.7	29.3	30.1	30.5
12H	29.0	29.8	29.5	30.3	30.7	28.9	29.7	29.3	30.1	30.6
8H 4H	28.5	29.3	28.9	29.7	30.1	28.4	29.3	28.9	29.7	30.1
6H	29.2	29.9	29.6	30.3	30.8	29.1	29.8	29.6	30.3	30.7
8H	29.4	30.1	29.9	30.5	31.0	29.3	30.0	29.8	30.4	30.9
12H	29.6	30.2	30.1	30.6	31.1	29.5	30.0	30.0	30.5	31.0
12H 4H	28.5	29.3	28.9	29.7	30.1	28.4	29.3	28.9	29.7	30.1
6H	29.2	29.9	29.7	30.3	30.8	29.2	29.8	29.6	30.2	30.7
8H	29.5	30.1	30.0	30.5	31.1	29.4	30.0	29.9	30.4	30.9
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 / - 0.3					+ 0.2 / - 0.4				

CIE Pub.117, 1416 lm Total Lamp Luminous Flux Correct ( $8\log(F/F_0) = 1.2$ )

C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:DAMIN  
Test Date:2018-08-25

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.362  
Humidity:65.0%  
Test Distance:4.706m [K=1.0000]  
Remarks:

### UTILIZATION FACTORS TABLE

Test:U:24.01V I:0.7049A P:16.92W PF:1.000 Freq:0Hz Lamp Flux:1415.72x1 lm		
NAME: LED Strip	TYPE:Indoor lighting	WEIGHT:25g
SPEC.:2835 120LED	DIM.: 1000*10*1MM	SERIAL No.:20180825002
MFR.: EVERFINE	SUR.:1000*10mm	Shielding Angle:

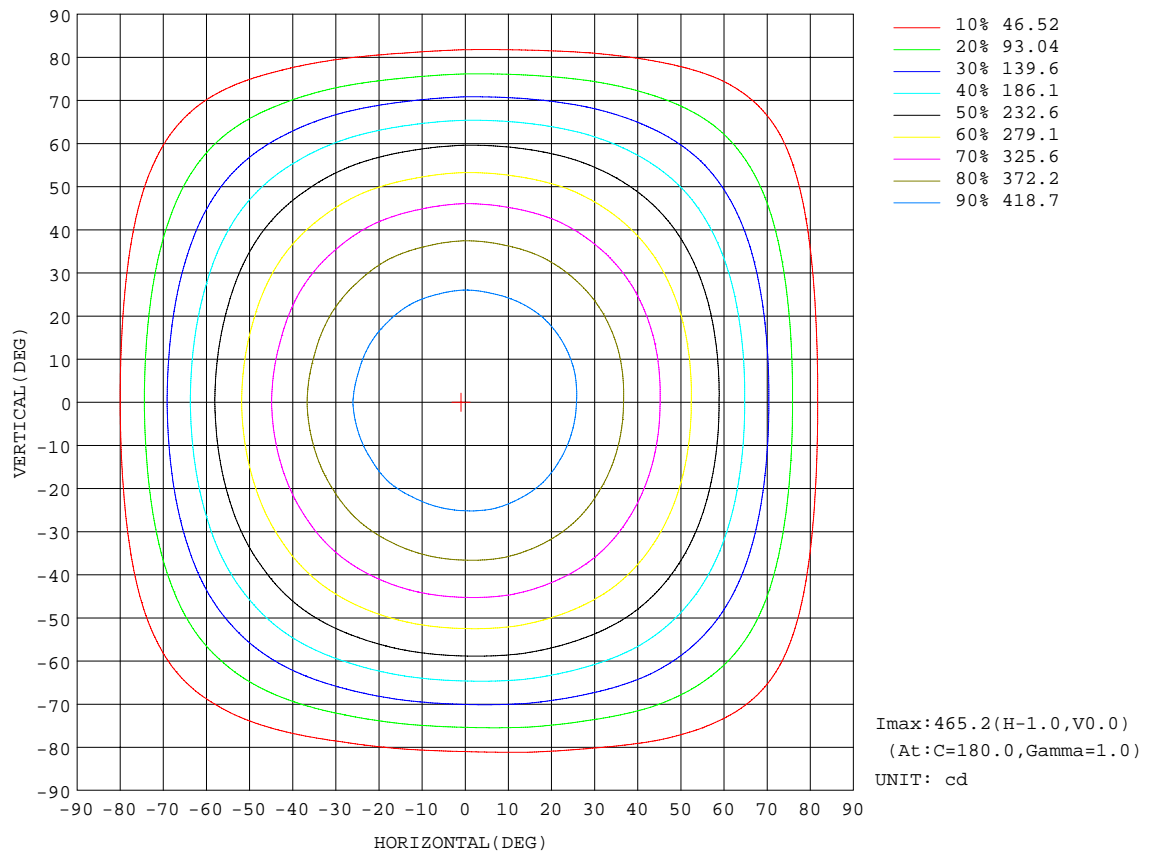
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT)    k(RI) x RCR = 5									
k = 0.60	56	45	37	55	44	37	54	44	37	31
0.80	66	55	47	65	54	47	63	53	46	39
1.00	75	64	56	74	63	56	71	64	55	48
1.25	82	71	64	80	71	64	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	89	83	92	86	81	72
3.00	102	95	89	99	93	88	95	90	85	77
4.00	106	100	95	103	98	94	99	94	91	81
5.00	108	103	99	106	101	97	101	97	94	85
ROOM INDEX	UF(total)									Direct
According to DIN EN 13032-2 2004										
Suspended										
SHR <sub>NOM</sub> = 1.25										

C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:DAMIN  
Test Date:2018-08-25

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.362  
Humidity:65.0%  
Test Distance:4.706m [K=1.0000]  
Remarks:

## ISOCANDELA DIAGRAM

Test:U:24.01V I:0.7049A P:16.92W PF:1.000 Freq:0Hz Lamp Flux:1415.72x1 lm		
NAME: LED Strip	TYPE:Indoor lighting	WEIGHT:25g
SPEC.:2835 120LED	DIM.: 1000*10*1MM	SERIAL No.:20180825002
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:2018-08-25

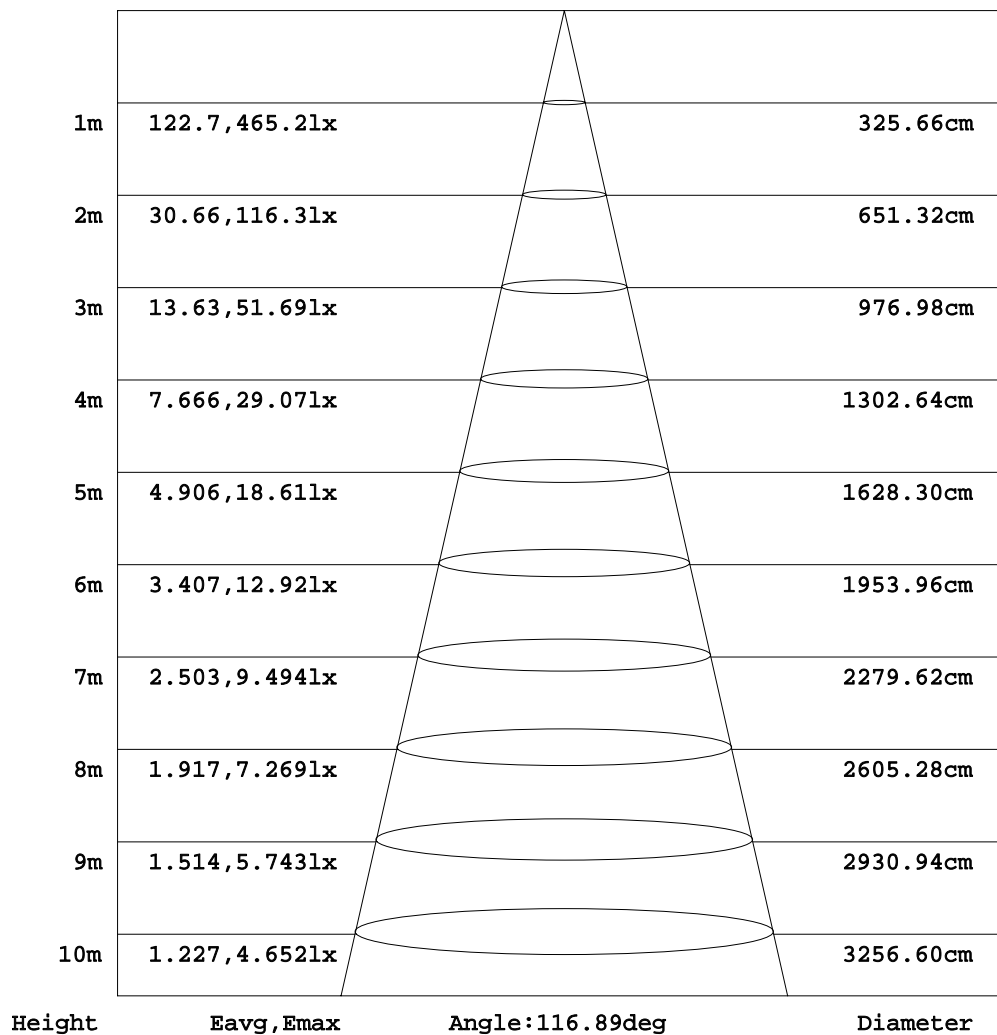
$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.362  
Humidity:65.0%  
Test Distance:4.706m [K=1.0000]  
Remarks:



### AAI Figure

Test:U:24.01V I:0.7049A P:16.92W PF:1.000 Freq:0Hz Lamp Flux:1415.72x1 lm		
NAME: LED Strip	TYPE:Indoor lighting	WEIGHT:25g
SPEC.:2835 120LED	DIM.: 1000*10*1MM	SERIAL No.:20180825002
MFR.: EVERFINE	SUR.:1000*10mm	Shielding Angle:

Flux out:1067 lm



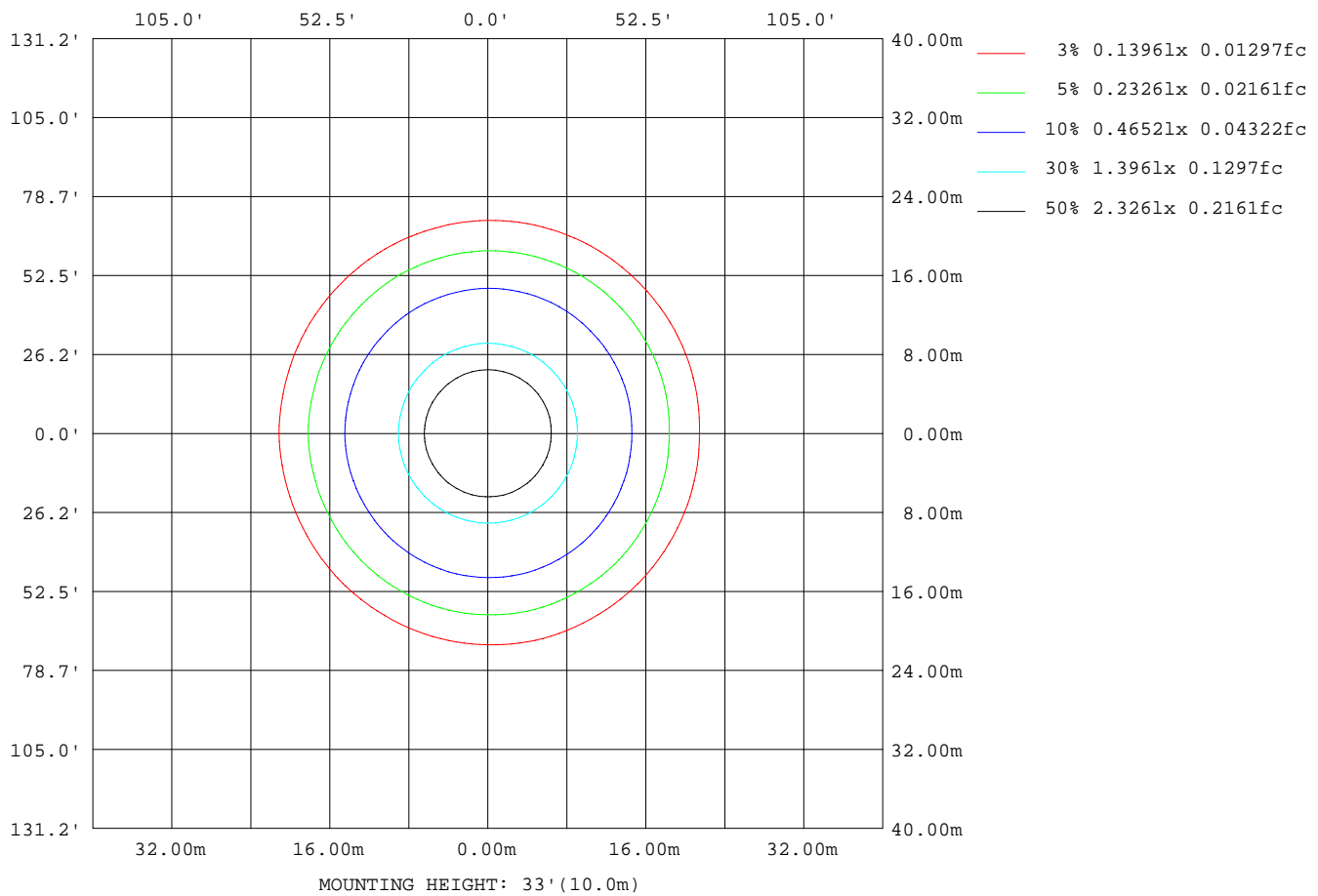
Note: The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature: 25.3DEG  
 Operators: DAMIN  
 Test Date: 2018-08-25

γ Range: 0 - 180DEG  
 γ Interval: 1.0DEG  
 Test System: EVERFINE GO-2000B\_V1 SYSTEM V2.0.362  
 Humidity: 65.0%  
 Test Distance: 4.706m [K=1.0000]  
 Remarks:

## ISOLUX DIAGRAM

Test:U:24.01V I:0.7049A P:16.92W PF:1.000 Freq:0Hz Lamp Flux:1415.72x1 lm		
NAME: LED Strip	TYPE:Indoor lighting	WEIGHT:25g
SPEC.:2835 120LED	DIM.: 1000*10*1MM	SERIAL No.:20180825002
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:2018-08-25

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.362  
Humidity:65.0%  
Test Distance:4.706m [K=1.0000]  
Remarks:

## LED Avg.L Report

Test:U:24.01V I:0.7049A P:16.92W PF:1.000 Freq:0Hz Lamp Flux:1415.72x1 lm		
NAME: LED Strip	TYPE:Indoor lighting	WEIGHT:25g
SPEC.:2835 120LED	DIM.: 1000*10*1MM	SERIAL No.:20180825002
MFR.: EVERFINE	SUR.:1000*10mm	Shielding Angle:

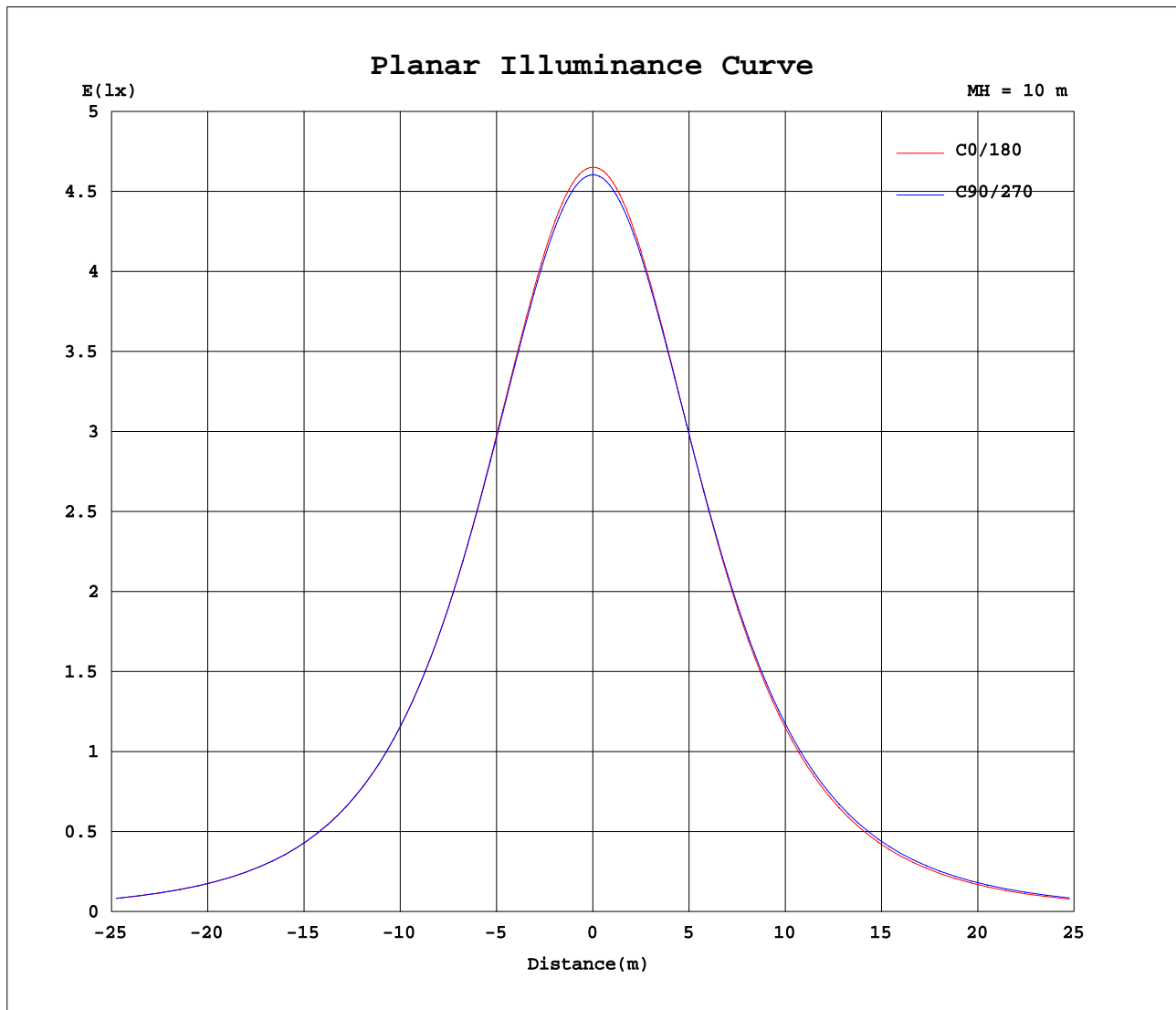
AvgL	cd/m2
L_0~180(65)av	42550
L_0~180(75)av	36381
L_0~180(85)av	22365
L_90~270(65)av	44057
L_90~270(75)av	38529
L_90~270(85)av	24961
L_45(65)av	43243
L_45(75)av	37261
L_45(85)av	23495

Standard: GB/T 29293-2012

C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:DAMIN  
 Test Date:2018-08-25

γ Range: 0 - 180DEG  
 γ Interval: 1.0DEG  
 Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.362  
 Humidity:65.0%  
 Test Distance:4.706m [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: 2018-08-25

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
Test System: EVERFINE GO-2000B\_V1 SYSTEM V2.0.362  
Humidity: 65.0%  
Test Distance: 4.706m [K=1.0000]  
Remarks:

## LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:24.01V I:0.7049A P:16.92W PF:1.000 Freq:0Hz Lamp Flux:1415.72x1 lm		
NAME: LED Strip	TYPE:Indoor lighting	WEIGHT:25g
SPEC.:2835 120LED	DIM.: 1000*10*1MM	SERIAL No.:20180825002
MFR.: EVERFINE	SUR.:1000*10mm	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	465	464	463	462	461	461	460	460	461	463	464	465	465	464	463	462	461	461	460
5	463	462	461	461	459	459	459	458	460	462	462	463	464	462	461	461	460	459	459
10	458	457	456	456	455	454	454	454	454	456	457	458	459	457	457	456	455	455	455
15	449	448	448	447	446	446	446	445	446	448	448	449	450	449	448	448	447	447	447
20	437	436	436	436	435	435	434	434	434	436	436	437	438	436	436	436	436	436	436
25	421	421	420	421	420	420	419	419	419	420	420	421	422	421	421	421	421	421	422
30	403	402	402	403	402	402	401	401	400	401	401	402	403	402	402	402	404	403	404
35	380	380	380	381	381	381	380	379	378	379	378	379	381	379	380	380	382	382	384
40	355	355	355	357	357	357	355	354	353	353	352	353	355	353	355	355	358	358	359
45	327	327	327	329	329	329	327	326	325	324	322	323	325	324	326	326	329	330	332
50	295	296	296	298	298	298	296	295	293	291	289	290	292	291	293	294	297	298	301
55	261	262	262	264	264	264	261	260	257	256	253	254	256	255	258	259	262	264	267
60	224	225	225	226	226	227	224	222	219	217	214	214	217	216	219	220	224	226	229
65	184	185	185	187	186	187	183	181	177	175	172	172	175	175	177	179	183	186	189
70	143	144	144	145	144	144	140	138	133	131	128	129	132	131	134	135	140	142	147
75	100	102	101	102	100	100	96.5	93.8	89.3	87.0	84.3	84.8	87.9	87.6	89.8	91.3	95.6	98.4	103
80	59.5	60.4	59.7	60.1	58.2	57.9	54.4	52.0	47.4	45.4	43.3	43.8	46.6	46.5	48.3	49.6	53.2	56.1	60.2
85	24.4	25.2	24.4	24.7	22.9	22.6	19.7	18.6	15.1	13.9	12.4	12.8	14.5	14.4	15.8	16.6	19.1	21.0	23.8
90	3.36	3.74	3.63	3.87	3.32	3.20	2.39	2.56	2.06	1.84	1.61	1.48	1.48	1.54	1.71	1.83	2.19	2.58	2.88
95	1.45	1.47	1.56	1.61	1.61	1.62	1.73	1.68	1.58	1.57	1.49	1.42	1.43	1.43	1.47	1.48	1.51	1.66	1.72
100	1.45	1.48	1.54	1.59	1.60	1.65	1.68	1.67	1.63	1.62	1.57	1.54	1.56	1.56	1.58	1.61	1.64	1.68	1.68
105	1.71	1.72	1.77	1.82	1.87	1.92	1.97	1.96	1.93	1.89	1.84	1.81	1.82	1.83	1.86	1.90	1.93	1.95	1.95
110	2.00	2.02	2.05	2.11	2.17	2.23	2.28	2.27	2.23	2.19	2.14	2.10	2.12	2.13	2.16	2.21	2.23	2.26	2.27
115	2.30	2.31	2.35	2.41	2.47	2.53	2.59	2.57	2.54	2.49	2.44	2.40	2.42	2.43	2.47	2.51	2.54	2.57	2.57
120	2.60	2.61	2.65	2.70	2.76	2.83	2.89	2.87	2.84	2.79	2.75	2.70	2.71	2.73	2.76	2.81	2.84	2.87	2.87
125	2.90	2.91	2.96	3.00	3.07	3.13	3.19	3.18	3.14	3.10	3.05	3.00	3.01	3.03	3.07	3.11	3.14	3.17	3.17
130	3.21	3.23	3.27	3.31	3.37	3.44	3.50	3.49	3.46	3.41	3.36	3.31	3.31	3.33	3.37	3.41	3.44	3.47	3.47
135	3.53	3.56	3.59	3.63	3.69	3.75	3.81	3.80	3.76	3.72	3.67	3.62	3.61	3.63	3.67	3.71	3.74	3.77	3.77
140	3.84	3.88	3.90	3.94	3.98	4.04	4.10	4.09	4.06	4.02	3.97	3.92	3.91	3.93	3.96	4.01	4.04	4.07	4.06
145	4.14	4.20	4.20	4.23	4.27	4.32	4.37	4.37	4.33	4.30	4.25	4.21	4.20	4.21	4.24	4.28	4.32	4.34	4.34
150	4.43	4.50	4.49	4.51	4.54	4.59	4.63	4.63	4.60	4.56	4.52	4.48	4.47	4.47	4.51	4.55	4.58	4.61	4.60
155	4.72	4.77	4.76	4.77	4.79	4.84	4.87	4.87	4.84	4.81	4.77	4.74	4.75	4.73	4.76	4.79	4.83	4.85	4.85
160	4.99	5.01	5.00	5.01	5.03	5.06	5.08	5.09	5.07	5.04	5.00	4.98	5.01	4.97	5.00	5.02	5.05	5.07	5.07
165	5.24	5.23	5.22	5.22	5.24	5.27	5.28	5.29	5.27	5.25	5.22	5.20	5.26	5.20	5.22	5.23	5.26	5.27	5.27
170	5.45	5.43	5.40	5.41	5.42	5.44	5.45	5.46	5.44	5.43	5.41	5.40	5.46	5.39	5.41	5.42	5.44	5.44	5.45
175	5.60	5.58	5.54	5.55	5.56	5.58	5.57	5.59	5.57	5.57	5.55	5.55	5.61	5.55	5.56	5.56	5.58	5.57	5.58
180	5.70	5.65	5.63	5.63	5.64	5.65	5.65	5.65	5.64	5.64	5.63	5.63	5.70	5.64	5.64	5.63	5.64	5.65	5.65

C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:DAMIN  
Test Date:2018-08-25

γ Range: 0 - 180DEG  
γ Interval: 1.0DEG  
Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.362  
Humidity:65.0%  
Test Distance:4.706m [K=1.0000]  
Remarks:

## LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:24.01V I:0.7049A P:16.92W PF:1.000 Freq:0Hz Lamp Flux:1415.72x1 lm		
NAME: LED Strip	TYPE:Indoor lighting	WEIGHT:25g
SPEC.:2835 120LED	DIM.: 1000*10*1MM	SERIAL No.:20180825002
MFR.: EVERFINE	SUR.:1000*10mm	Shielding Angle:

Table--2

UNIT: cd

C(DEC) γ (DEC)	285	300	315	330	345														
0	460	461	463	464	465														
5	459	460	462	462	463														
10	455	456	458	458	458														
15	447	448	450	450	450														
20	436	437	438	438	438														
25	422	423	423	423	423														
30	404	405	405	405	405														
35	383	384	384	384	383														
40	359	360	359	359	358														
45	332	333	331	331	330														
50	301	302	301	300	298														
55	267	269	267	266	264														
60	230	231	230	229	228														
65	190	191	190	190	188														
70	148	149	148	148	146														
75	104	106	105	106	104														
80	61.7	63.5	63.5	64.2	62.8														
85	24.7	26.7	26.8	27.7	26.8														
90	3.38	4.23	4.35	4.77	4.29														
95	1.59	1.49	1.53	1.53	1.51														
100	1.63	1.58	1.53	1.50	1.49														
105	1.90	1.85	1.80	1.76	1.74														
110	2.21	2.15	2.10	2.06	2.04														
115	2.52	2.45	2.40	2.36	2.34														
120	2.81	2.74	2.69	2.66	2.63														
125	3.11	3.04	2.99	2.96	2.93														
130	3.41	3.34	3.29	3.26	3.24														
135	3.71	3.64	3.60	3.57	3.56														
140	4.01	3.94	3.90	3.88	3.88														
145	4.29	4.23	4.20	4.18	4.19														
150	4.56	4.51	4.48	4.47	4.48														
155	4.81	4.77	4.74	4.74	4.74														
160	5.04	5.01	4.98	4.98	4.99														
165	5.25	5.23	5.20	5.20	5.21														
170	5.42	5.41	5.39	5.39	5.40														
175	5.56	5.56	5.54	5.54	5.55														
180	5.65	5.65	5.63	5.63	5.63														

C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:DAMIN  
Test Date:2018-08-25

γ Range: 0 - 180DEG  
γ Interval: 1.0DEG  
Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.362  
Humidity:65.0%  
Test Distance:4.706m [K=1.0000]  
Remarks: