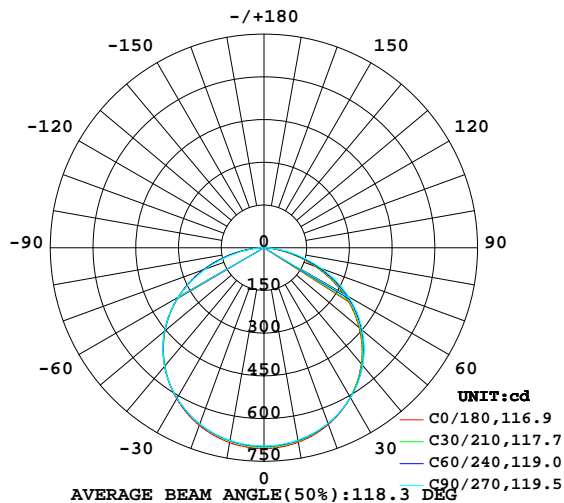


## LUMINAIRE PHOTOMETRIC TEST REPORT

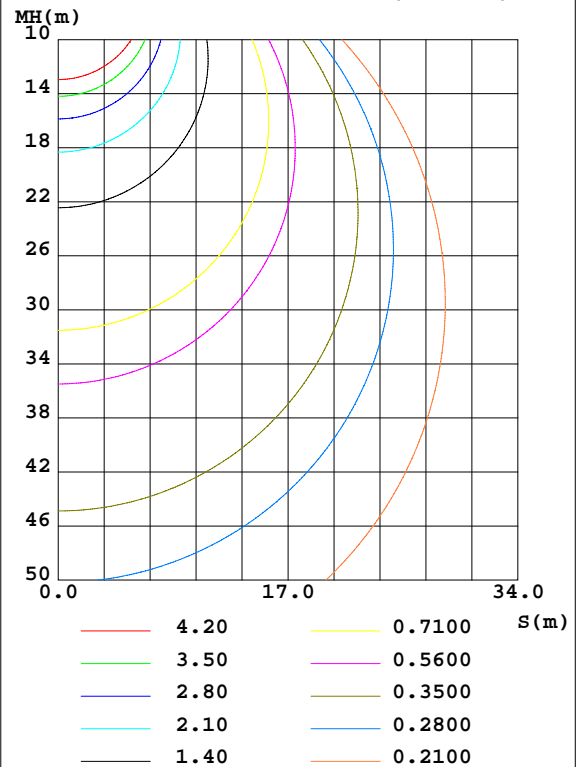
Test:U:24.01V I:0.7195A P:17.27W PF:1.0000 Freq:0Hz Lamp Flux:2150.32x1 lm		
NAME: LED Strip	TYPE:Indoor lighting	WEIGHT:25g
SPEC.:3030 140LED	DIM.: 1000*10*1MM	SERIAL No.:20180426003
MFR.: EVERFINE	SUR.:1000*10mm	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 124.50 lm/W			
MODEL	24(WCP)-HR-3S-ME-N	Imax(cd)	705.0	S/MH(C0/180)	1.29
NOMINAL POWER(W)	17.17	LOR(%)	100.0	S/MH(C90/270)	1.30
RATED VOLTAGE(V)	DC 24	TOTAL FLUX(lm)	2150.3	$\eta$ UP,DN(C0-180)	0.7,49.1
NOMINAL FLUX(lm)	2150.32	CIE CLASS	DIRECT	$\eta$ UP,DN(C180-360)	0.7,49.5
LAMPS INSIDE	1	$\eta$ up(%)	1.4	CIBSE SHR NOM	1.25
TEST VOLTAGE(V)	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:2018-04-26

$\gamma$  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:

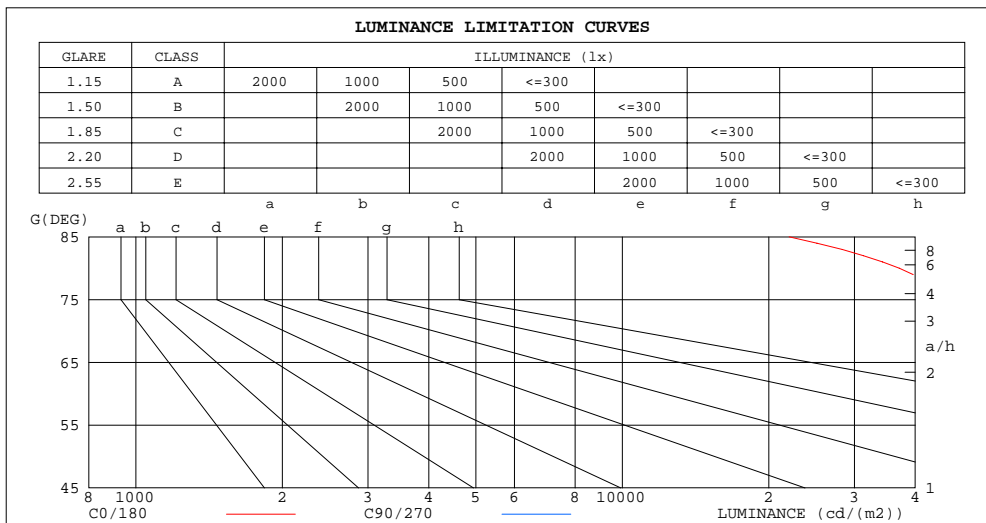
$\gamma$	C0	C45	C90	C135	C180	C225	C270	C315	$\gamma$	$\Phi$ zone	$\Phi$ total	$\%lum, lamp$
10	693.5	689.3	685.9	690.5	695.0	689.3	687.1	691.4	0- 10	66.32	66.32	3.08,3.08
20	660.4	658.7	656.4	660.0	663.8	659.4	658.7	661.1	10- 20	191.2	257.5	12,12
30	606.4	607.7	607.6	610.1	612.9	610.0	610.9	610.0	20- 30	293.6	551.2	25.6,25.6
40	531.6	536.2	539.2	540.6	542.5	541.3	543.5	538.2	30- 40	360.8	912.0	42.4,42.4
50	436.3	444.3	450.9	452.7	453.4	453.2	455.9	445.9	40- 50	382.9	1295	60.2,60.2
60	321.4	332.0	342.6	346.1	346.7	346.4	347.9	332.0	50- 60	354.2	1649	76.7,76.7
70	191.4	203.4	217.0	222.3	225.0	223.7	217.6	204.3	60- 70	274.6	1924	89.5,89.5
80	64.40	75.04	87.00	94.92	99.55	95.71	83.36	75.24	70- 80	155.9	2080	96.7,96.7
90	3.208	4.503	3.944	9.808	11.42	9.738	3.726	4.662	80- 90	40.92	2121	98.6,98.6
100	2.359	2.449	2.601	2.655	3.197	2.579	2.594	2.653	90-100	3.905	2124	98.8,98.8
110	3.222	3.316	3.480	3.379	3.093	3.285	3.493	3.543	100-110	3.100	2128	98.9,98.9
120	4.107	4.201	4.399	4.211	3.996	4.195	4.403	4.408	110-120	3.767	2131	99.1,99.1
130	5.010	5.106	5.298	5.153	4.891	5.098	5.300	5.273	120-130	4.197	2136	99.3,99.3
140	5.914	6.017	6.188	6.050	5.800	5.991	6.183	6.134	130-140	4.321	2140	99.5,99.5
150	6.754	6.838	6.993	6.925	6.678	6.821	6.974	6.919	140-150	4.052	2144	99.7,99.7
160	7.560	7.554	7.682	7.687	7.513	7.548	7.663	7.646	150-160	3.350	2147	99.9,99.9
170	8.221	8.148	8.221	8.306	8.201	8.149	8.211	8.256	160-170	2.239	2150	100,100
180	8.573	8.478	8.517	8.618	8.577	8.478	8.512	8.611	170-180	0.7980	2150	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:2018-04-26

$\gamma$  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:0.7195A P:17.27W PF:1.0000 Freq:0Hz Lamp Flux:2150.32x1 lm		
NAME: LED Strip	TYPE:Indoor lighting	WEIGHT:25g
SPEC.:3030 140LED	DIM.: 1000*10*1MM	SERIAL No.:20180426003
MFR.: EVERFINE	SUR.:1000*10mm	Shielding Angle:



LUMINANCE cd/(m2)		
G( DEG)	C0/180	C90/270
85	22023	39369
80	37086	50099
75	48363	58199
70	55950	63437
65	60971	66628
60	64274	68526
55	66449	69592
50	67869	70141
45	68782	70350

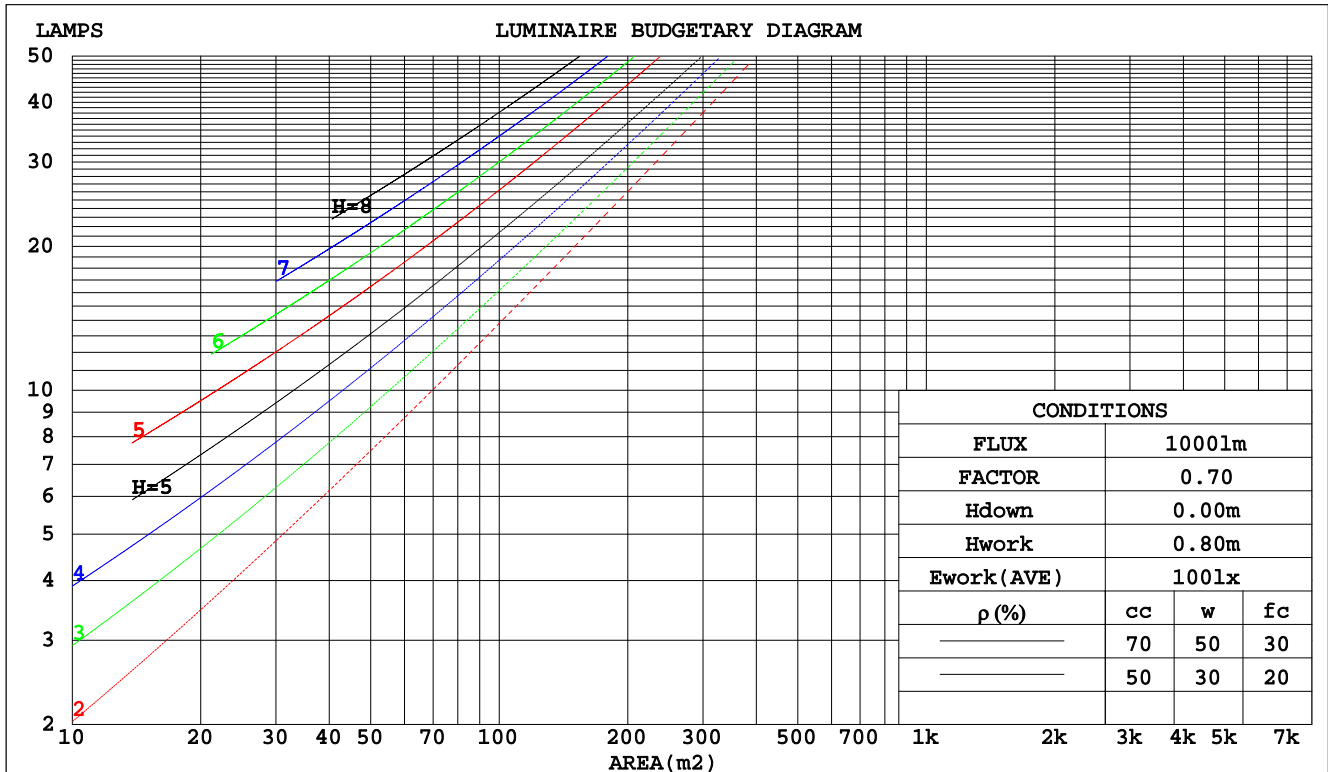
C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:DAMIN  
Test Date:2018-04-26

$\gamma$  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:0.7195A P:17.27W PF:1.0000 Freq:0Hz Lamp Flux:2150.32x1 lm		
NAME: LED Strip	TYPE:Indoor lighting	WEIGHT:25g
SPEC.:3030 140LED	DIM.: 1000*10*1MM	SERIAL No.:20180426003
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	.88	.86	.84	.82
2.0	.90	.83	.77	.88	.81	.76	.84	.79	.74	.80	.76	.72	.77	.73	.70	.68
3.0	.79	.70	.64	.77	.69	.63	.74	.67	.62	.71	.65	.60	.68	.63	.59	.57
4.0	.69	.60	.54	.68	.60	.53	.65	.58	.52	.63	.56	.51	.60	.55	.50	.48
5.0	.62	.53	.46	.61	.52	.46	.58	.51	.45	.56	.50	.44	.54	.48	.44	.42
6.0	.56	.46	.40	.54	.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	.35	.31	.41	.35	.30	.28
9.0	.42	.34	.28	.41	.33	.28	.40	.33	.28	.39	.32	.27	.38	.32	.27	.25
10.0	.39	.31	.25	.38	.30	.25	.37	.30	.25	.36	.29	.25	.35	.29	.25	.23



C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:DAMIN  
 Test Date:2018-04-26

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:0.7195A P:17.27W PF:1.0000 Freq:0Hz Lamp Flux:2150.32x1 lm		
NAME: LED Strip	TYPE:Indoor lighting	WEIGHT:25g
SPEC.:3030 140LED	DIM.: 1000*10*1MM	SERIAL No.:20180426003
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	.314	.179	.057	.307	.175	.056	.292	.168	.054	.280	.161	.052	.268	.155	.050		
2.0	.296	.162	.050	.289	.159	.049	.276	.154	.048	.265	.149	.047	.254	.144	.045		
3.0	.273	.145	.044	.267	.143	.043	.256	.139	.042	.246	.135	.041	.237	.131	.041		
4.0	.252	.131	.038	.247	.129	.038	.237	.126	.038	.228	.122	.037	.219	.119	.036		
5.0	.233	.119	.034	.228	.117	.034	.219	.114	.034	.211	.111	.033	.203	.109	.033		
6.0	.216	.108	.031	.211	.107	.031	.204	.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	.172	.087	.025	.166	.085	.025		
9.0	.175	.085	.024	.172	.084	.024	.167	.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	.172	.172	.172	.117	.117	.117	.067	.067	.067	.022	.022	.022	
1.0	.191	.167	.145	.164	.143	.124	.112	.098	.086	.064	.057	.050	.021	.018	.016	
2.0	.183	.143	.108	.157	.123	.094	.108	.085	.065	.062	.049	.038	.020	.016	.012	
3.0	.176	.125	.085	.151	.108	.073	.104	.075	.051	.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	.161	.102	.058	.138	.088	.050	.095	.061	.035	.055	.036	.021	.018	.012	.007	
6.0	.154	.093	.050	.132	.081	.043	.091	.056	.031	.053	.033	.018	.017	.011	.006	
7.0	.147	.086	.044	.126	.075	.038	.087	.052	.027	.051	.031	.016	.016	.010	.005	
8.0	.140	.081	.039	.121	.070	.034	.084	.049	.024	.049	.029	.015	.016	.009	.005	
9.0	.134	.076	.036	.116	.066	.031	.080	.046	.022	.047	.027	.013	.015	.009	.004	
10.0	.129	.071	.033	.111	.062	.029	.077	.044	.021	.045	.026	.012	.015	.008	.004	

C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:DAMIN  
Test Date:2018-04-26

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:0.7195A P:17.27W PF:1.0000 Freq:0Hz Lamp Flux:2150.32x1 lm											
NAME: LED Strip					TYPE:Indoor lighting			WEIGHT:25g			
SPEC.:3030 140LED					DIM.: 1000*10*1MM			SERIAL No.:20180426003			
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	24.7	26.2	25.0	26.5	26.7	25.0	26.5	25.2	26.7	26.9	
	3H	26.1	27.5	26.5	27.8	28.1	26.6	28.0	26.9	28.2	28.5
	4H	26.6	28.0	27.0	28.3	28.5	27.2	28.5	27.5	28.8	29.1
	6H	26.9	28.2	27.3	28.5	28.8	27.6	28.8	27.9	29.1	29.4
	8H	27.0	28.2	27.3	28.5	28.8	27.7	28.9	28.0	29.2	29.5
	12H	27.0	28.1	27.3	28.5	28.8	27.7	28.9	28.1	29.2	29.6
4H	2H	25.3	26.7	25.7	27.0	27.2	25.5	26.9	25.9	27.2	27.4
	3H	26.9	28.1	27.3	28.4	28.8	27.3	28.5	27.7	28.8	29.1
	4H	27.6	28.6	27.9	29.0	29.3	28.0	29.1	28.4	29.4	29.8
	6H	27.9	28.9	28.3	29.3	29.7	28.5	29.5	29.0	29.9	30.3
	8H	28.0	28.9	28.4	29.3	29.7	28.7	29.6	29.1	30.0	30.4
	12H	28.0	28.8	28.5	29.3	29.7	28.8	29.6	29.2	30.0	30.5
8H	4H	27.8	28.7	28.2	29.1	29.5	28.2	29.1	28.7	29.5	29.9
	6H	28.3	29.0	28.8	29.5	29.9	28.9	29.6	29.3	30.0	30.5
	8H	28.4	29.1	28.9	29.5	30.0	29.1	29.7	29.6	30.2	30.7
	12H	28.5	29.1	29.0	29.5	30.0	29.3	29.8	29.7	30.3	30.8
12H	4H	27.8	28.6	28.3	29.0	29.5	28.2	29.0	28.7	29.4	29.9
	6H	28.3	29.0	28.8	29.4	29.9	28.9	29.5	29.4	30.0	30.5
	8H	28.5	29.1	29.0	29.5	30.0	29.1	29.7	29.6	30.2	30.7
Variations with the observer position at spacings:											
S = 1.0H	+ 0.2 / - 0.2					+ 0.2 / - 0.2					
1.5H	+ 0.2 / - 0.4					+ 0.2 / - 0.3					
2.0H	+ 0.2 / - 0.3					+ 0.2 / - 0.3					

CIE Pub.117, 2150 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:2018-04-26

$\gamma$  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:0.7195A P:17.27W PF:1.0000 Freq:0Hz Lamp Flux:2150.32x1 lm		
NAME: LED Strip	TYPE:Indoor lighting	WEIGHT:25g
SPEC.:3030 140LED	DIM.: 1000*10*1MM	SERIAL No.:20180426003
MFR.: EVERFINE	SUR.:1000*10mm	Shielding Angle:

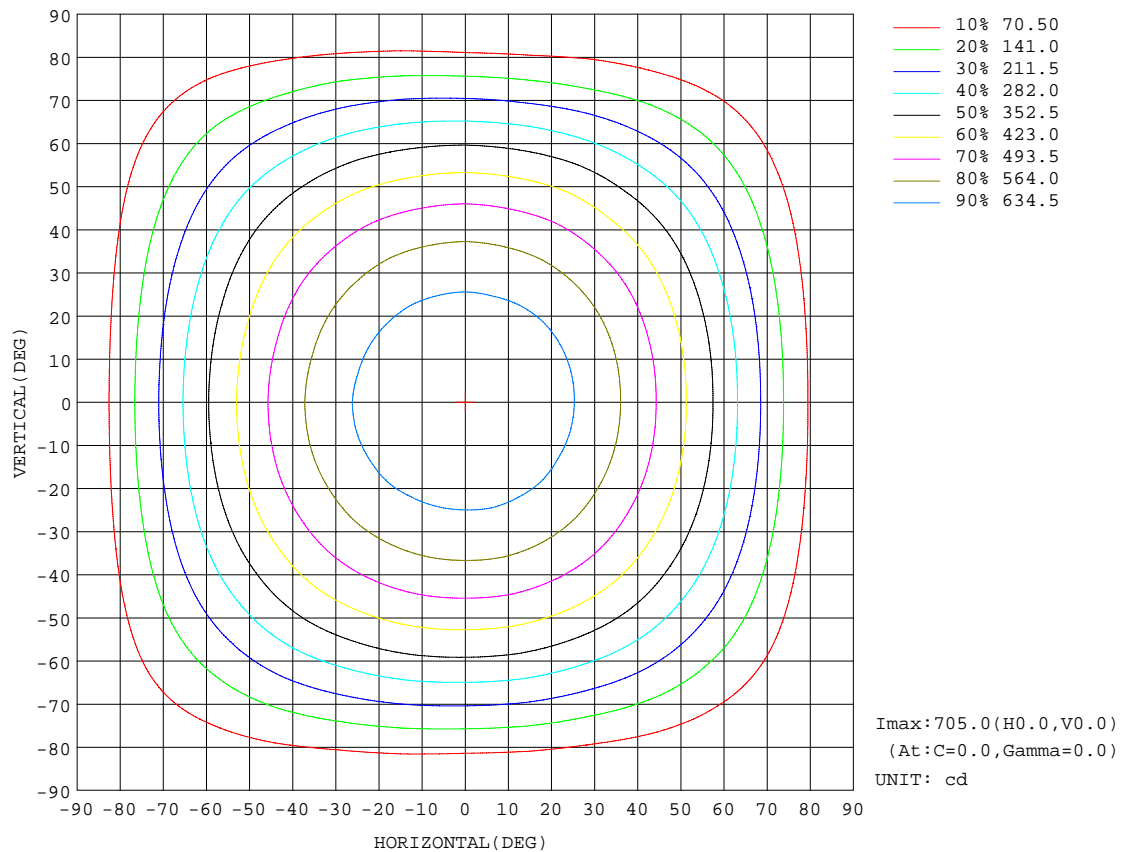
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT)    k(RI) x RCR = 5									
k = 0.60	56	44	37	55	44	37	54	44	37	30
0.80	66	54	47	65	54	47	63	53	46	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	89	83	92	86	81	72
3.00	101	94	89	99	93	88	95	90	85	76
4.00	106	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										
SHRNM = 1.25										

C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:DAMIN  
Test Date:2018-04-26

$\gamma$  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:0.7195A P:17.27W PF:1.0000 Freq:0Hz Lamp Flux:2150.32x1 lm		
NAME: LED Strip	TYPE:Indoor lighting	WEIGHT:25g
SPEC.:3030 140LED	DIM.: 1000*10*1MM	SERIAL No.:20180426003
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:2018-04-26

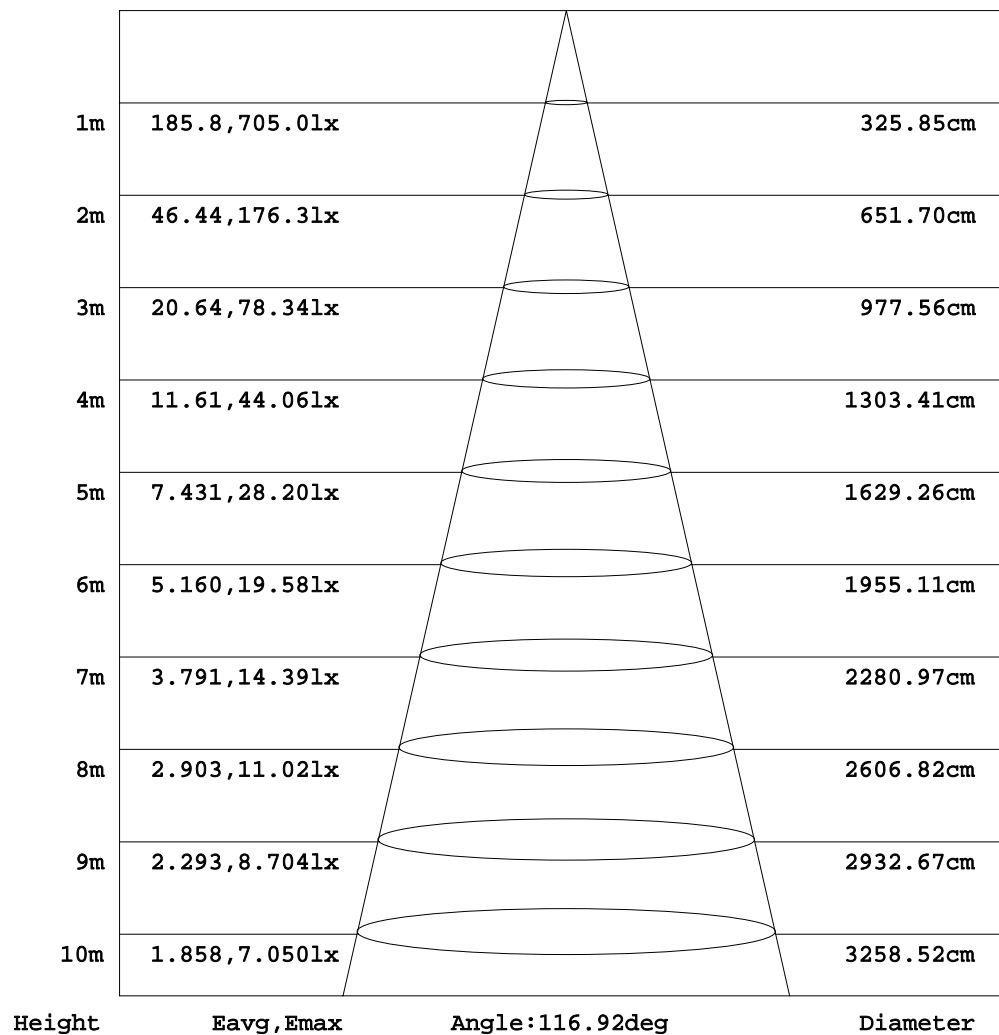
$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.362  
Humidity:65.0%  
Test Distance:4.706m [K=1.0000]  
Remarks:



### AAI Figure

Test:U:24.01V I:0.7195A P:17.27W PF:1.0000 Freq:0Hz Lamp Flux:2150.32x1 lm		
NAME: LED Strip	TYPE:Indoor lighting	WEIGHT:25g
SPEC.:3030 140LED	DIM.: 1000*10*1MM	SERIAL No.:20180426003
MFR.: EVERFINE	SUR.:1000*10mm	Shielding Angle:

Flux out:1617 lm



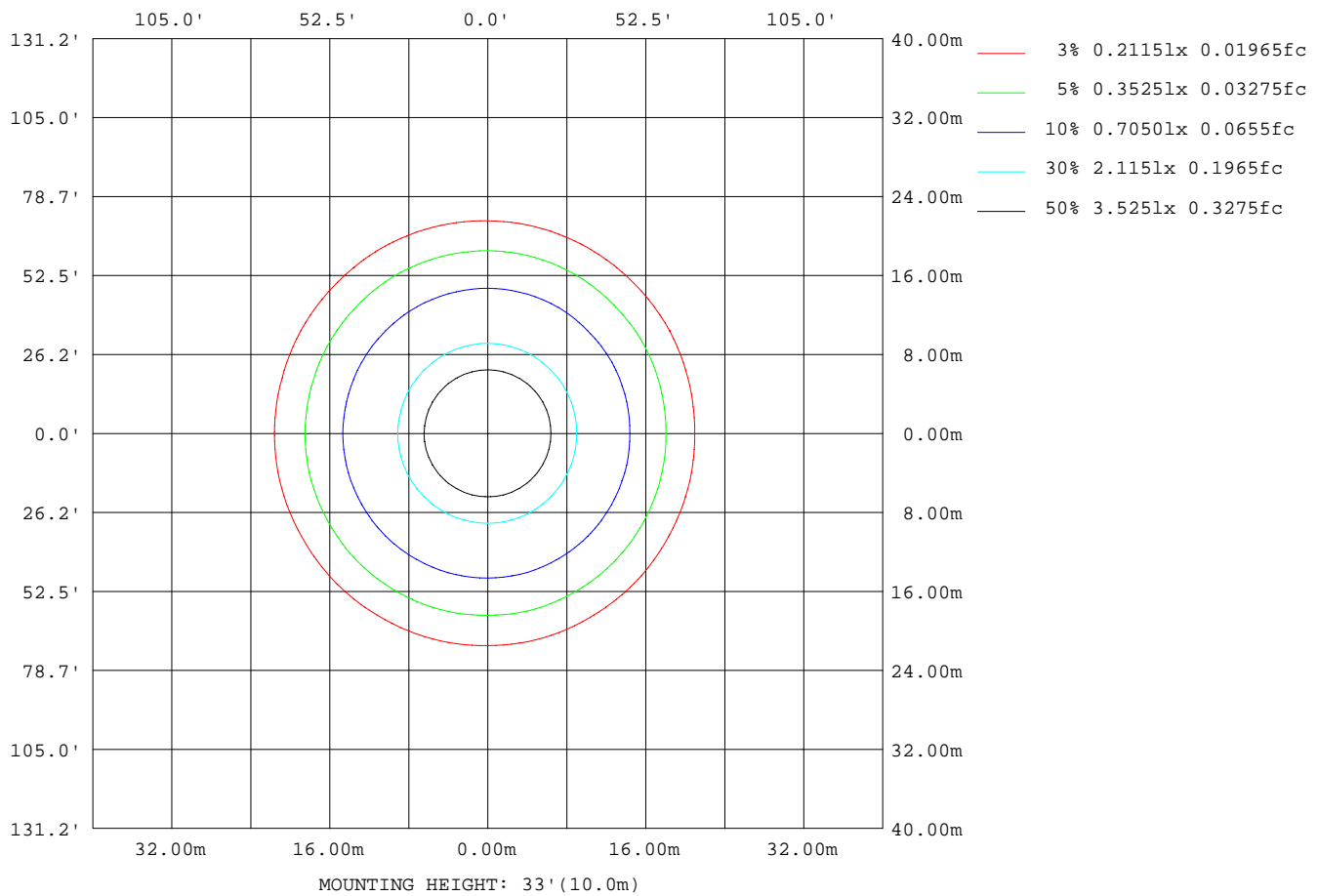
Note: The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature: 25.3DEG  
 Operators: DAMIN  
 Test Date: 2018-04-26

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:0.7195A P:17.27W PF:1.0000 Freq:0Hz Lamp Flux:2150.32x1 lm		
NAME: LED Strip	TYPE:Indoor lighting	WEIGHT:25g
SPEC.:3030 140LED	DIM.: 1000*10*1MM	SERIAL No.:20180426003
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:2018-04-26

$\gamma$  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:0.7195A P:17.27W PF:1.0000 Freq:0Hz Lamp Flux:2150.32x1 lm		
NAME: LED Strip	TYPE:Indoor lighting	WEIGHT:25g
SPEC.:3030 140LED	DIM.: 1000*10*1MM	SERIAL No.:20180426003
MFR.: EVERFINE	SUR.:1000*10mm	Shielding Angle:

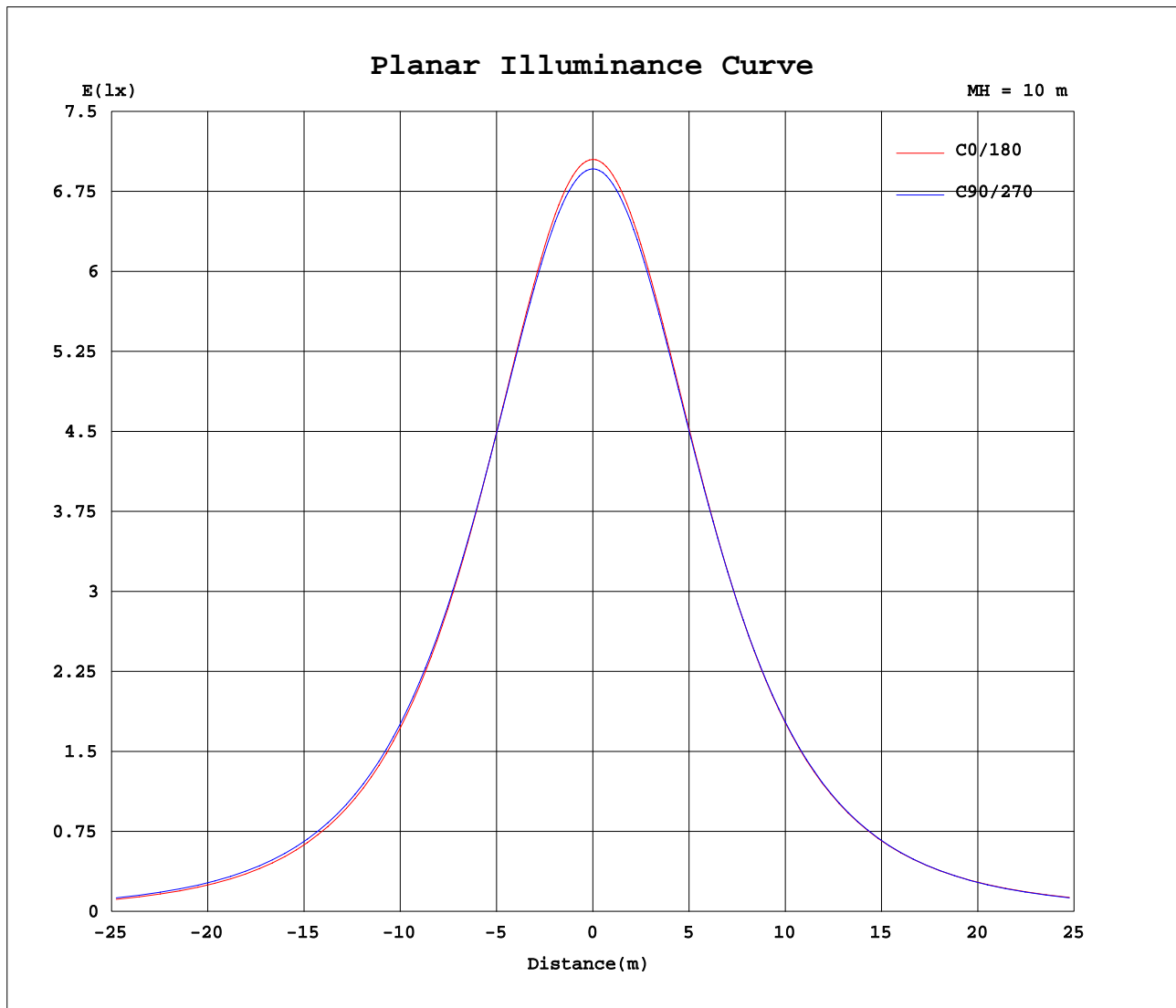
AvgL	cd/m2
L_0~180(65)av	64481
L_0~180(75)av	55380
L_0~180(85)av	37413
L_90~270(65)av	66950
L_90~270(75)av	57883
L_90~270(85)av	36592
L_45(65)av	65803
L_45(75)av	57194
L_45(85)av	38868

Standard: GB/T 29293-2012

C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:DAMIN  
 Test Date:2018-04-26

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: 2018-04-26

$\gamma$  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:0.7195A P:17.27W PF:1.0000 Freq:0Hz Lamp Flux:2150.32x1 lm		
NAME: LED Strip	TYPE:Indoor lighting	WEIGHT:25g
SPEC.:3030 140LED	DIM.: 1000*10*1MM	SERIAL No.:20180426003
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	705	703	700	699	697	697	696	696	698	701	702	704	705	703	700	699	697	697	696
5	702	700	698	697	695	694	693	693	695	698	699	701	703	700	698	697	695	694	694
10	694	692	690	689	687	687	686	686	687	690	691	694	695	692	690	689	688	687	687
15	680	678	677	677	675	675	674	673	675	678	678	681	682	679	678	677	676	675	675
20	660	659	658	659	657	658	656	656	657	660	661	663	664	661	660	659	659	658	659
25	636	635	635	636	635	636	634	634	635	637	638	640	641	638	638	637	637	637	637
30	606	606	606	608	608	609	608	608	608	610	610	612	613	610	610	610	611	610	611
35	572	572	572	574	576	577	576	576	576	578	578	579	580	577	578	578	580	579	580
40	532	533	533	536	538	540	539	540	540	541	540	542	542	540	541	541	543	543	544
45	486	488	489	493	495	498	497	499	498	499	498	500	500	498	499	500	502	501	502
50	436	438	440	444	447	451	451	452	452	453	451	453	453	451	453	453	456	455	456
55	381	383	385	391	394	399	399	401	401	402	400	402	402	400	402	402	405	404	404
60	321	324	326	332	336	342	343	345	344	346	344	346	347	345	346	346	349	348	348
65	258	261	263	269	273	280	282	285	284	286	285	287	287	286	287	287	289	288	284
70	191	194	197	203	208	215	217	220	221	222	222	224	225	223	225	224	225	223	218
75	125	128	131	137	141	149	151	155	155	158	157	160	161	160	161	159	160	156	149
80	64.4	67.7	69.6	75.0	78.2	84.8	87.0	91.6	92.0	94.9	95.0	98.2	99.6	98.3	98.5	95.7	96.4	91.6	83.4
85	19.2	21.6	23.1	26.5	28.6	32.1	34.3	38.6	39.0	41.7	42.3	44.9	46.0	44.9	44.5	42.3	40.5	35.3	29.5
90	3.21	3.55	3.95	4.50	4.84	5.07	3.94	7.72	8.45	9.81	10.1	11.2	11.4	11.0	10.5	9.74	8.97	7.09	3.73
95	2.35	2.51	2.51	2.45	2.52	2.53	2.69	2.87	3.23	4.37	4.49	4.42	4.08	4.19	4.33	4.10	3.45	2.68	2.62
100	2.36	2.37	2.40	2.45	2.51	2.57	2.60	2.65	2.61	2.65	2.82	3.19	3.20	3.02	2.76	2.58	2.55	2.61	2.59
105	2.78	2.78	2.82	2.87	2.93	2.98	3.00	2.98	2.97	2.95	2.85	2.77	2.67	2.69	2.74	2.83	2.92	2.98	3.01
110	3.22	3.21	3.26	3.32	3.39	3.44	3.48	3.44	3.41	3.38	3.28	3.14	3.09	3.12	3.19	3.29	3.37	3.44	3.49
115	3.67	3.66	3.70	3.76	3.83	3.89	3.95	3.90	3.86	3.81	3.66	3.63	3.55	3.58	3.65	3.74	3.83	3.91	3.96
120	4.11	4.10	4.15	4.20	4.27	4.34	4.40	4.34	4.29	4.21	4.14	4.03	4.00	4.03	4.10	4.19	4.28	4.35	4.40
125	4.55	4.54	4.61	4.65	4.72	4.78	4.84	4.79	4.73	4.68	4.58	4.47	4.44	4.48	4.55	4.64	4.72	4.81	4.85
130	5.01	5.01	5.07	5.11	5.18	5.24	5.30	5.25	5.20	5.15	5.02	4.91	4.89	4.93	5.00	5.10	5.18	5.26	5.30
135	5.47	5.49	5.54	5.57	5.64	5.69	5.75	5.71	5.67	5.60	5.48	5.38	5.35	5.39	5.45	5.55	5.63	5.71	5.75
140	5.91	5.96	5.98	6.02	6.07	6.13	6.19	6.16	6.12	6.05	5.94	5.90	5.80	5.84	5.90	5.99	6.07	6.14	6.18
145	6.34	6.41	6.41	6.44	6.48	6.54	6.60	6.58	6.55	6.50	6.41	6.38	6.24	6.28	6.33	6.42	6.49	6.56	6.59
150	6.75	6.84	6.83	6.84	6.87	6.93	6.99	6.98	6.95	6.92	6.87	6.81	6.68	6.69	6.74	6.82	6.88	6.95	6.97
155	7.17	7.23	7.22	7.21	7.25	7.30	7.35	7.36	7.33	7.32	7.33	7.23	7.11	7.09	7.13	7.20	7.25	7.31	7.33
160	7.56	7.58	7.56	7.55	7.59	7.64	7.68	7.69	7.69	7.69	7.70	7.61	7.51	7.46	7.50	7.55	7.60	7.65	7.66
165	7.92	7.90	7.87	7.87	7.90	7.94	7.97	7.99	8.01	8.02	8.02	7.95	7.90	7.81	7.83	7.87	7.91	7.94	7.96
170	8.22	8.18	8.14	8.15	8.17	8.20	8.22	8.24	8.29	8.31	8.31	8.26	8.20	8.12	8.13	8.15	8.18	8.20	8.21
175	8.44	8.40	8.35	8.36	8.37	8.40	8.41	8.43	8.50	8.52	8.52	8.52	8.44	8.37	8.37	8.37	8.39	8.39	8.41
180	8.57	8.51	8.48	8.48	8.49	8.50	8.52	8.53	8.61	8.62	8.63	8.63	8.58	8.50	8.49	8.48	8.49	8.50	8.51

C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:DAMIN  
Test Date:2018-04-26

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:0.7195A P:17.27W PF:1.0000 Freq:0Hz Lamp Flux:2150.32x1 lm		
NAME: LED Strip	TYPE:Indoor lighting	WEIGHT:25g
SPEC.:3030 140LED	DIM.: 1000*10*1MM	SERIAL No.:20180426003
MFR.: EVERFINE	SUR.:1000*10mm	Shielding Angle:

Table--2

UNIT: cd

C(DEC) γ (DEC)	285	300	315	330	345														
0	696	698	701	702	704														
5	694	696	699	700	701														
10	687	689	691	692	693														
15	675	677	679	679	680														
20	658	660	661	661	661														
25	636	638	638	638	637														
30	610	610	610	609	608														
35	578	578	577	575	573														
40	542	541	538	537	534														
45	500	499	494	492	489														
50	453	452	446	443	439														
55	402	400	389	389	384														
60	344	339	332	330	324														
65	281	276	270	267	261														
70	212	210	204	200	194														
75	144	139	138	134	128														
80	79.5	80.5	75.2	71.6	66.1														
85	30.2	30.0	25.0	23.2	20.7														
90	3.96	4.81	4.66	4.44	3.75														
95	2.52	2.36	2.69	2.89	2.72														
100	2.65	2.66	2.65	2.55	2.58														
105	3.06	3.08	3.09	3.03	3.02														
110	3.51	3.53	3.54	3.48	3.47														
115	3.94	3.96	3.99	3.93	3.92														
120	4.38	4.38	4.41	4.37	4.35														
125	4.82	4.80	4.84	4.80	4.77														
130	5.26	5.24	5.27	5.23	5.22														
135	5.71	5.67	5.71	5.67	5.69														
140	6.15	6.09	6.13	6.11	6.15														
145	6.58	6.52	6.53	6.53	6.60														
150	7.00	6.92	6.92	6.94	7.02														
155	7.36	7.31	7.30	7.32	7.37														
160	7.69	7.68	7.65	7.66	7.71														
165	7.98	8.01	7.97	7.96	8.02														
170	8.23	8.28	8.26	8.25	8.29														
175	8.42	8.50	8.48	8.49	8.51														
180	8.54	8.59	8.61	8.62	8.63														

C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:DAMIN  
Test Date:2018-04-26

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: