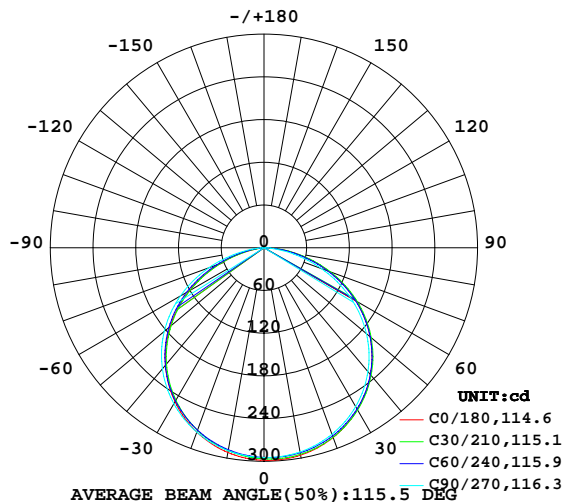


## LUMINAIRE PHOTOMETRIC TEST REPORT

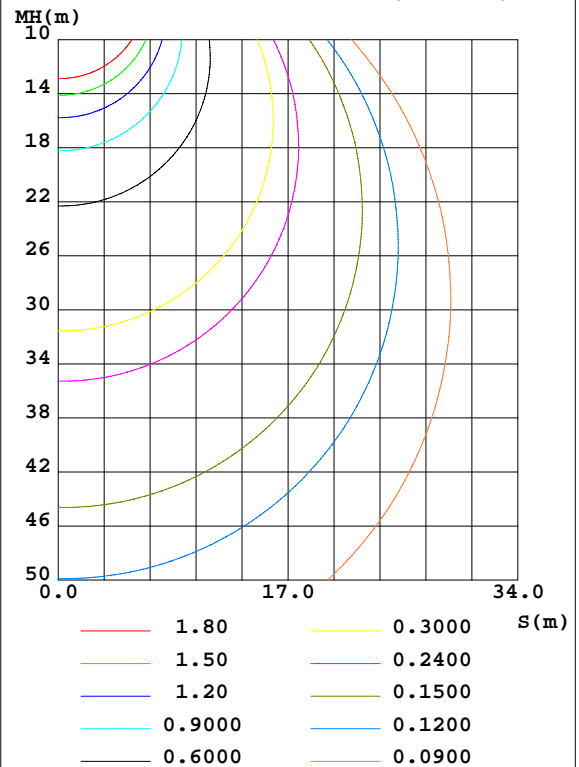
Test:U:24.01V I:0.4280A P:10.28W PF:0.9989 Lamp Flux:866.828x1 lm		
NAME: LED Strip	TYPE:Indoor lighting	WEIGHT:
SPEC.:2016 120LED	DIM.: 1000*10*1MM	SERIAL No.:20170325004
MFR.: Dilux	SUR.:1000*10mm	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 84.33 lm/W			
MODEL	WW-FLS102T21WS120B-24(WCP)-UR	Imax(cd)	299.3	S/MH(C0/180)	1.24
NOMINAL POWER(W)	10.39	LOR(%)	100.0	S/MH(C90/270)	1.28
RATED VOLTAGE(V)	DC 24	TOTAL FLUX(lm)	866.83	$\eta$ UP,DN(C0-180)	0.0,50.8
NOMINAL FLUX(lm)	866.828	CIE CLASS	DIRECT	$\eta$ UP,DN(C180-360)	0.0,49.2
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:2017-03-25

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.351  
Humidity:65.0%  
Test Distance:4.890m [K=1.0000]  
Remarks:

## ZONAL FLUX DIAGRAM

## ZONAL FLUX DIAGRAM:

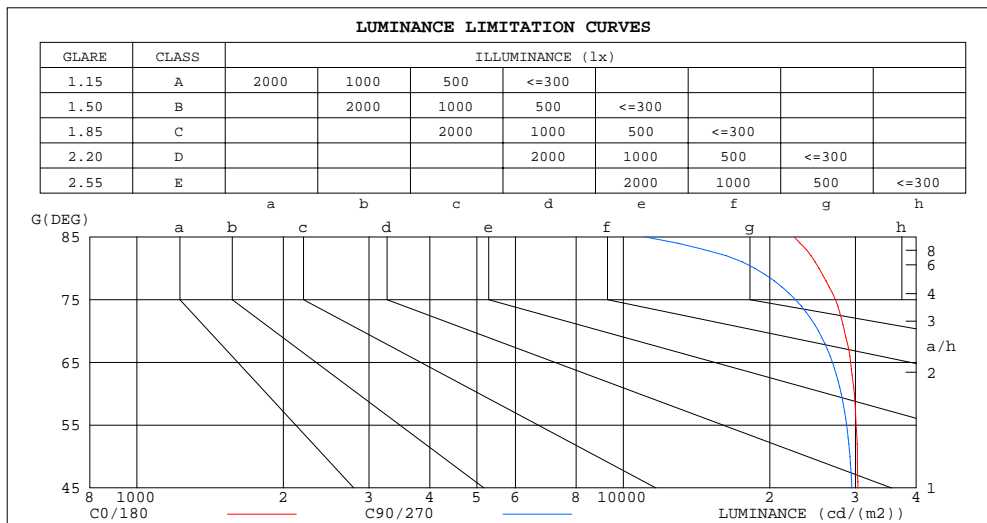
$\gamma$	C0	C45	C90	C135	C180	C225	C270	C315	$\gamma$	$\Phi$ zone	$\Phi$ total	$\Phi$ lum, lamp
10	295.8	293.3	291.3	291.2	292.0	288.1	289.5	293.8	0- 10	28.07	28.07	3.24,3.24
20	283.7	282.4	278.9	276.2	275.7	272.0	275.6	281.6	10- 20	80.79	108.9	12.6,12.6
30	262.6	262.5	257.5	251.9	249.9	247.0	253.1	260.4	20- 30	123.6	232.4	26.8,26.8
40	232.6	233.7	227.1	218.3	215.2	213.3	222.1	230.7	30- 40	150.7	383.2	44.2,44.2
50	194.7	196.4	187.9	176.3	172.1	171.2	182.8	193.1	40- 50	158.3	541.4	62.5,62.5
60	149.2	150.6	140.2	126.0	121.1	121.3	135.6	147.9	50- 60	144.1	685.5	79.1,79.1
70	97.41	98.33	86.13	70.09	65.76	66.65	82.48	96.01	60- 70	108.9	794.3	91.6,91.6
80	43.84	44.54	32.31	18.86	14.75	17.43	29.84	42.52	70- 80	59.09	853.4	98.5,98.5
90	1.525	2.627	0	0	0	0	0	2.095	80- 90	13.35	866.8	100,100
100	0	0	0	0	0	0	0	0	90-100	0.0482	866.8	100,100
110	0	0	0	0	0	0	0	0	100-110	0	866.8	100,100
120	0	0	0	0	0	0	0	0	110-120	0	866.8	100,100
130	0	0	0	0	0	0	0	0	120-130	0	866.8	100,100
140	0	0	0	0	0	0	0	0	130-140	0	866.8	100,100
150	0	0	0	0	0	0	0	0	140-150	0	866.8	100,100
160	0	0	0	0	0	0	0	0	150-160	0	866.8	100,100
170	0	0	0	0	0	0	0	0	160-170	0	866.8	100,100
180	0	0	0	0	0	0	0	0	170-180	0	866.8	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:2017-03-25

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
 $\gamma$  Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.351  
 Humidity:65.0%  
 Test Distance:4.890m [K=1.0000]  
 Remarks:

## LUMINANCE LIMITATION CURVES

Test:U:24.01V I:0.4280A P:10.28W PF:0.9989 Lamp Flux:866.828x1 lm		
NAME: LED Strip	TYPE:Indoor lighting	WEIGHT:
SPEC.:2016 120LED	DIM.: 1000*10*1MM	SERIAL No.:20170325004
MFR.: Dilux	SUR.:1000*10mm	Shielding Angle:



LUMINANCE cd/(m2)		
G(DEG)	C0/180	C90/270
85	22439	11052
80	25246	18608
75	27295	22571
70	28479	25183
65	29328	26900
60	29844	28039
55	30105	28772
50	30286	29236
45	30355	29494

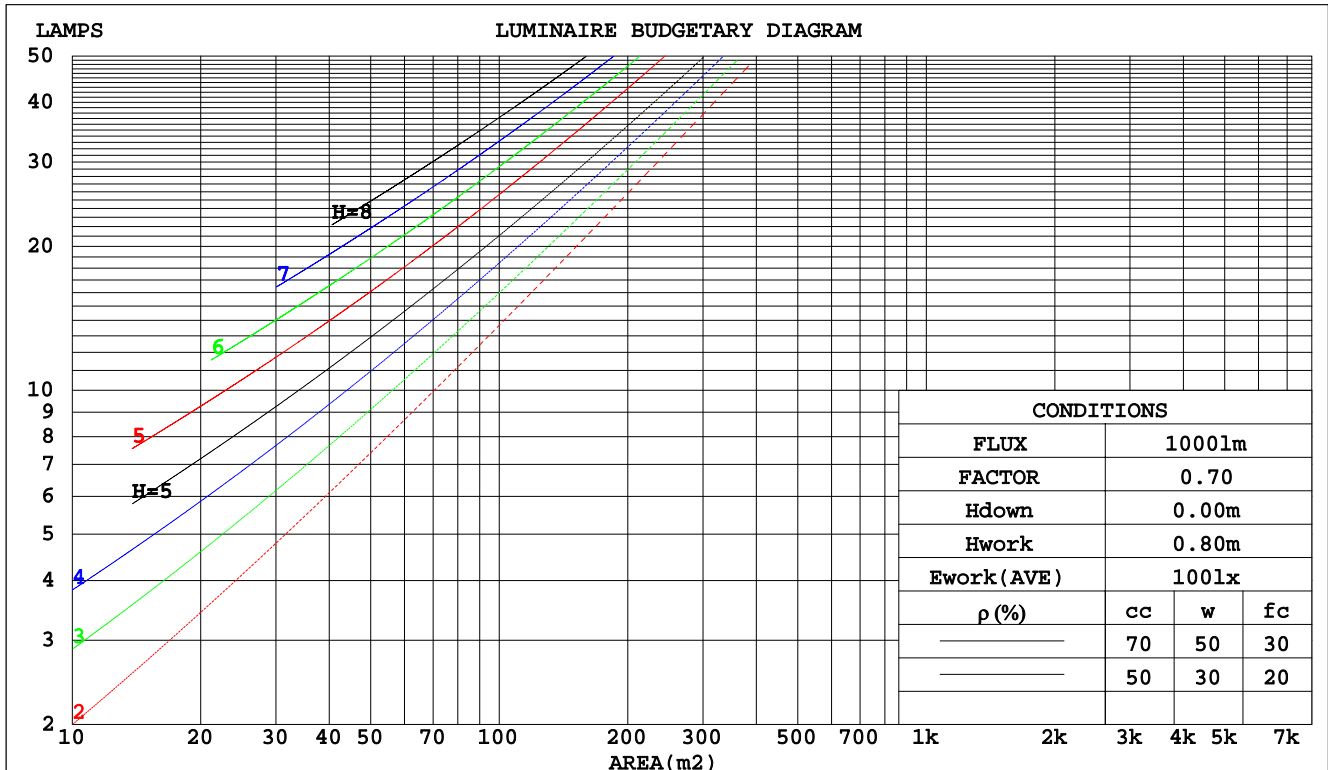
C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:DAMIN  
Test Date:2017-03-25

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.351  
Humidity:65.0%  
Test Distance:4.890m [K=1.0000]  
Remarks:

## CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:24.01V I:0.4280A P:10.28W PF:0.9989 Lamp Flux:866.828x1 lm		
NAME: LED Strip	TYPE:Indoor lighting	WEIGHT:
SPEC.:2016 120LED	DIM.: 1000*10*1MM	SERIAL No.:20170325004
MFR.: Dilux	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	.98	.94	.91	.94	.91	.89	.90	.88	.86	.84
2.0	.91	.84	.78	.89	.82	.77	.85	.80	.75	.82	.77	.73	.79	.75	.72	.70
3.0	.79	.71	.65	.78	.70	.64	.75	.68	.63	.72	.66	.62	.69	.65	.61	.59
4.0	.70	.61	.55	.69	.61	.54	.66	.59	.53	.64	.58	.53	.62	.56	.52	.50
5.0	.63	.54	.47	.62	.53	.47	.59	.52	.46	.57	.51	.46	.56	.50	.45	.43
6.0	.56	.47	.41	.55	.47	.41	.54	.46	.40	.52	.45	.40	.50	.44	.40	.37
7.0	.51	.42	.36	.50	.42	.36	.49	.41	.36	.47	.40	.35	.46	.40	.35	.33
8.0	.47	.38	.32	.46	.38	.32	.44	.37	.32	.43	.36	.32	.42	.36	.31	.29
9.0	.43	.34	.29	.42	.34	.29	.41	.34	.29	.40	.33	.28	.39	.33	.28	.26
10.0	.39	.31	.26	.39	.31	.26	.38	.31	.26	.37	.30	.26	.36	.30	.26	.24



C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:DAMIN  
 Test Date:2017-03-25

γ Range: 0 - 180DEG  
 γ Interval: 1.0DEG  
 Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.351  
 Humidity:65.0%  
 Test Distance:4.890m [K=1.0000]  
 Remarks:

## WEC AND CCEC

Test:U:24.01V I:0.4280A P:10.28W PF:0.9989 Lamp Flux:866.828x1 lm					
NAME: LED Strip			TYPE:Indoor lighting		WEIGHT:
SPEC.:2016 120LED			DIM.: 1000*10*1MM		SERIAL No.:20170325004
MFR.: Dilux			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	.307	.174	.055	.300	.171	.054	.286	.164	.052	.274	.158	.051	.263	.152	.049		
2.0	.291	.159	.049	.284	.157	.048	.273	.152	.047	.262	.147	.046	.252	.142	.045		
3.0	.270	.144	.043	.264	.142	.043	.254	.138	.042	.244	.134	.041	.235	.130	.040		
4.0	.249	.130	.038	.244	.128	.038	.235	.125	.037	.227	.122	.037	.219	.119	.036		
5.0	.231	.118	.034	.226	.116	.034	.218	.114	.033	.211	.111	.033	.204	.109	.033		
6.0	.214	.107	.031	.210	.106	.031	.203	.104	.030	.196	.102	.030	.190	.100	.030		
7.0	.199	.099	.028	.196	.098	.028	.189	.096	.028	.183	.094	.027	.178	.092	.027		
8.0	.186	.091	.026	.183	.090	.025	.177	.089	.025	.172	.087	.025	.167	.086	.025		
9.0	.174	.084	.024	.172	.084	.023	.167	.082	.023	.162	.081	.023	.157	.080	.023		
10.0	.164	.079	.022	.162	.078	.022	.157	.077	.022	.152	.076	.022	.148	.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	.105	.092	.080	.061	.053	.047	.019	.017	.015	
2.0	.172	.132	.098	.147	.114	.085	.101	.079	.059	.058	.046	.035	.019	.015	.011	
3.0	.164	.114	.074	.141	.099	.064	.097	.069	.045	.056	.040	.027	.018	.013	.009	
4.0	.157	.101	.058	.135	.087	.051	.093	.061	.036	.054	.036	.021	.017	.012	.007	
5.0	.150	.091	.047	.128	.078	.041	.088	.055	.029	.051	.032	.017	.017	.010	.006	
6.0	.142	.082	.039	.122	.071	.034	.084	.050	.024	.049	.029	.014	.016	.010	.005	
7.0	.136	.075	.033	.117	.065	.029	.081	.046	.020	.047	.027	.012	.015	.009	.004	
8.0	.129	.070	.029	.111	.060	.025	.077	.042	.018	.045	.025	.011	.014	.008	.003	
9.0	.123	.065	.025	.106	.056	.022	.073	.039	.016	.043	.023	.009	.014	.008	.003	
10.0	.117	.060	.022	.101	.052	.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:2017-03-25

γ Range: 0 - 180DEG  
γ Interval: 1.0DEG  
Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.351  
Humidity:65.0%  
Test Distance:4.890m [K=1.0000]  
Remarks:

UGR(Unified Glare Rating) Table

Test:U:24.01V I:0.4280A P:10.28W PF:0.9989 Lamp Flux:866.828x1 lm											
NAME: LED Strip					TYPE:Indoor lighting			WEIGHT:			
SPEC.:2016 120LED					DIM.: 1000*10*1MM			SERIAL No.:20170325004			
MFR.: Dilux					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		25.1	26.6	25.4	26.8	27.0	24.9	26.4	25.2	26.6	26.9
3H		26.8	28.2	27.1	28.4	28.7	26.5	27.9	26.8	28.1	28.3
4H		27.5	28.8	27.8	29.1	29.3	27.0	28.4	27.4	28.6	28.9
6H		28.0	29.3	28.3	29.5	29.8	27.4	28.7	27.7	28.9	29.2
8H		28.2	29.4	28.5	29.7	30.0	27.5	28.7	27.8	29.0	29.3
12H		28.3	29.5	28.6	29.8	30.1	27.5	28.7	27.9	29.0	29.3
4H 2H		25.8	27.1	26.1	27.4	27.6	25.6	27.0	25.9	27.2	27.5
3H		27.6	28.8	28.0	29.1	29.4	27.4	28.5	27.7	28.8	29.1
4H		28.5	29.6	28.9	29.9	30.2	28.1	29.2	28.5	29.5	29.8
6H		29.1	30.1	29.5	30.4	30.8	28.6	29.5	29.0	29.9	30.3
8H		29.4	30.3	29.8	30.6	31.0	28.7	29.6	29.1	30.0	30.4
12H		29.5	30.4	30.0	30.7	31.2	28.8	29.6	29.2	30.0	30.4
8H 4H		28.8	29.7	29.2	30.0	30.4	28.4	29.3	28.8	29.7	30.1
6H		29.6	30.4	30.1	30.8	31.2	29.1	29.8	29.6	30.2	30.7
8H		30.0	30.6	30.4	31.0	31.5	29.3	30.0	29.8	30.4	30.9
12H		30.2	30.8	30.7	31.2	31.7	29.5	30.0	30.0	30.5	31.0
12H 4H		28.8	29.6	29.2	30.0	30.4	28.5	29.3	28.9	29.7	30.1
6H		29.7	30.3	30.1	30.8	31.2	29.2	29.9	29.7	30.3	30.7
8H		30.1	30.6	30.5	31.1	31.6	29.5	30.0	30.0	30.5	31.0
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 / - 0.4					+ 0.2 / - 0.4				

CIE Pub.117 Corrected 866.8 lm Total Lamp Luminous Flux.(8log(F/F0) = -0.5)

C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:DAMIN  
 Test Date:2017-03-25

γ Range: 0 - 180DEG  
 γ Interval: 1.0DEG  
 Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.351  
 Humidity:65.0%  
 Test Distance:4.890m [K=1.0000]  
 Remarks:

## UTILIZATION FACTORS TABLE

Test:U:24.01V I:0.4280A P:10.28W PF:0.9989 Lamp Flux:866.828x1 lm		
NAME: LED Strip	TYPE:Indoor lighting	WEIGHT:
SPEC.:2016 120LED	DIM.: 1000*10*1MM	SERIAL No.:20170325004
MFR.: Dilux	SUR.:1000*10mm	Shielding Angle:

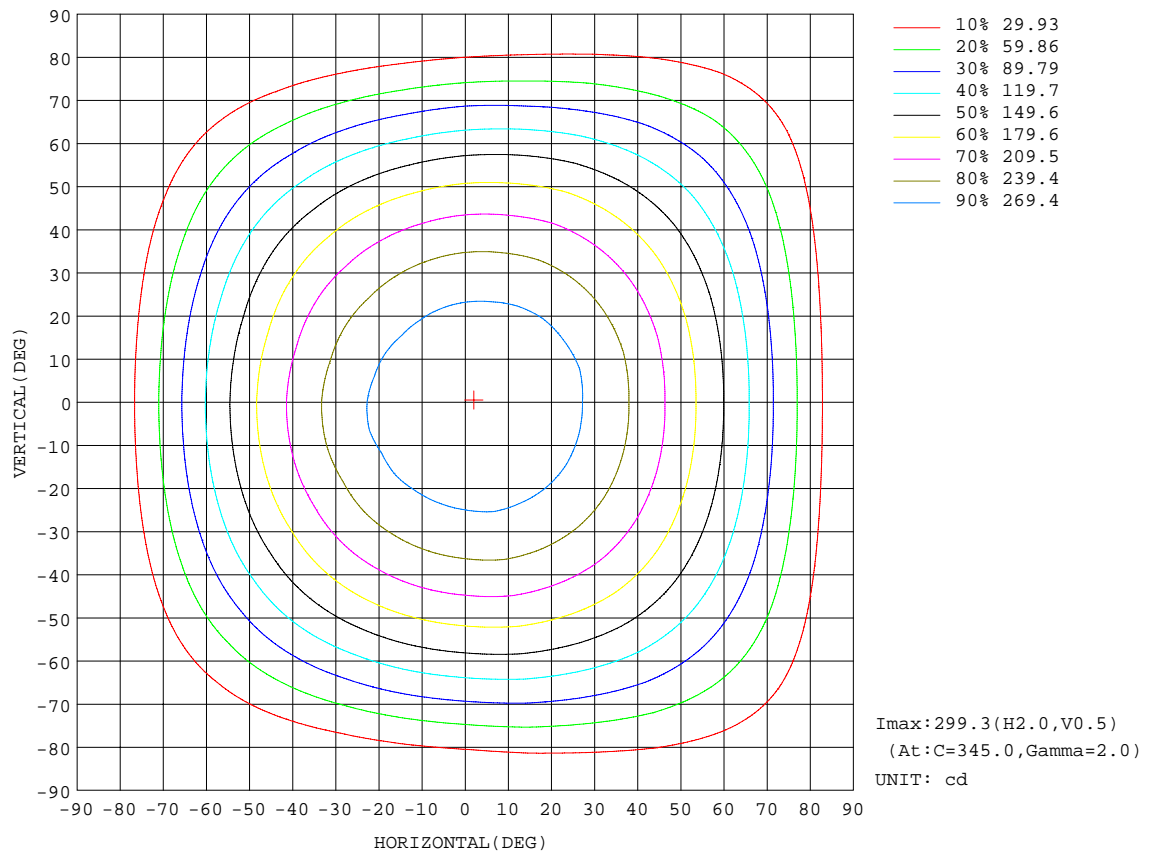
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT)    k(RI) x RCR = 5									
k = 0.60	57	46	39	56	45	38	55	45	38	32
0.80	67	56	48	66	55	48	65	54	48	41
1.00	76	65	57	75	64	57	72	66	57	49
1.25	83	73	65	82	72	65	79	70	64	57
1.50	88	78	71	86	77	71	83	75	70	62
2.00	95	86	80	93	85	79	90	83	78	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	96	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:2017-03-25

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.351  
Humidity:65.0%  
Test Distance:4.890m [K=1.0000]  
Remarks:

## ISOCANDELA DIAGRAM

Test:U:24.01V I:0.4280A P:10.28W PF:0.9989 Lamp Flux:866.828x1 lm		
NAME: LED Strip	TYPE:Indoor lighting	WEIGHT:
SPEC.:2016 120LED	DIM.: 1000*10*1MM	SERIAL No.:20170325004
MFR.: Dilux	SUR.:1000*10mm	Shielding Angle:



C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature: 25.3DEG  
Operators: DAMIN  
Test Date: 2017-03-25

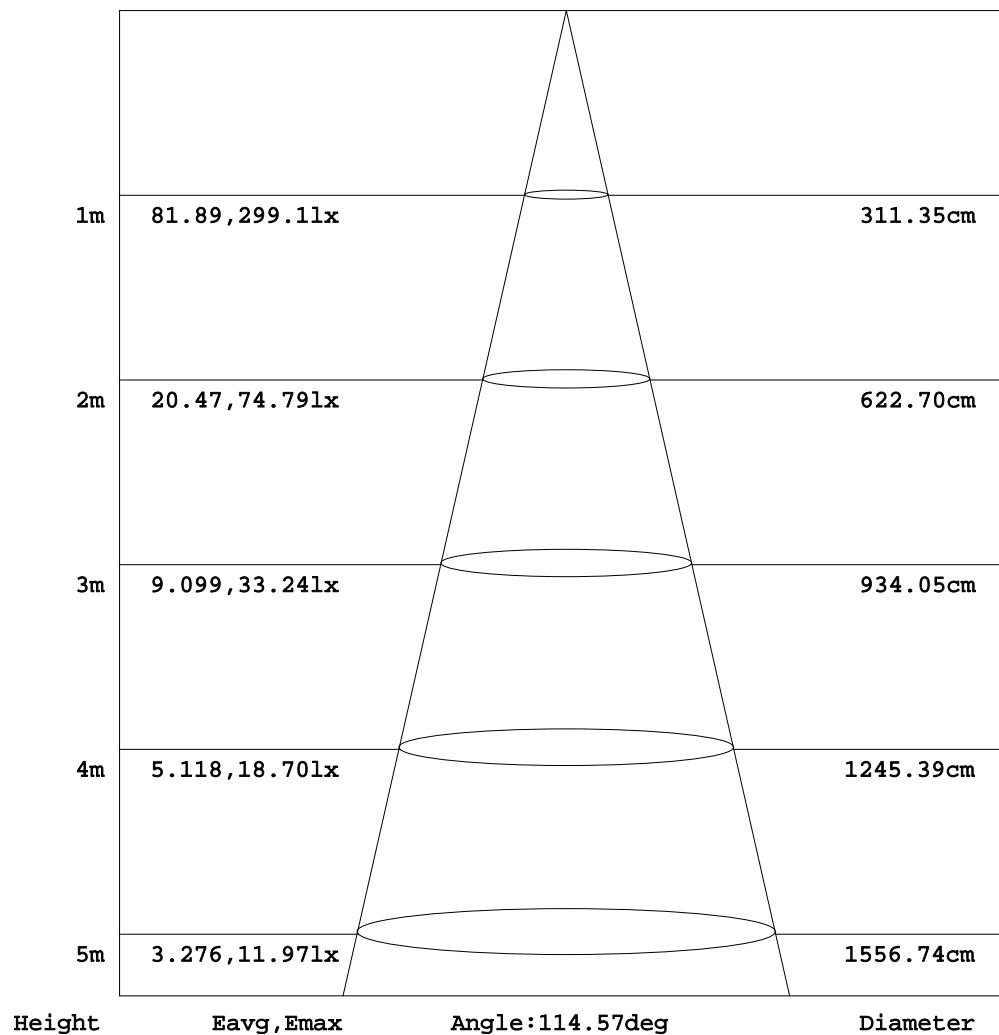
$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
Test System: EVERFINE GO-2000B\_V1 SYSTEM V2.0.351  
Humidity: 65.0%  
Test Distance: 4.890m [K=1.0000]  
Remarks:



## AAI Figure

Test:U:24.01V I:0.4280A P:10.28W PF:0.9989 Lamp Flux:866.828x1 lm		
NAME: LED Strip	TYPE:Indoor lighting	WEIGHT:
SPEC.:2016 120LED	DIM.: 1000*10*1MM	SERIAL No.:20170325004
MFR.: Dilux	SUR.:1000*10mm	Shielding Angle:

Flux out:658.9 lm



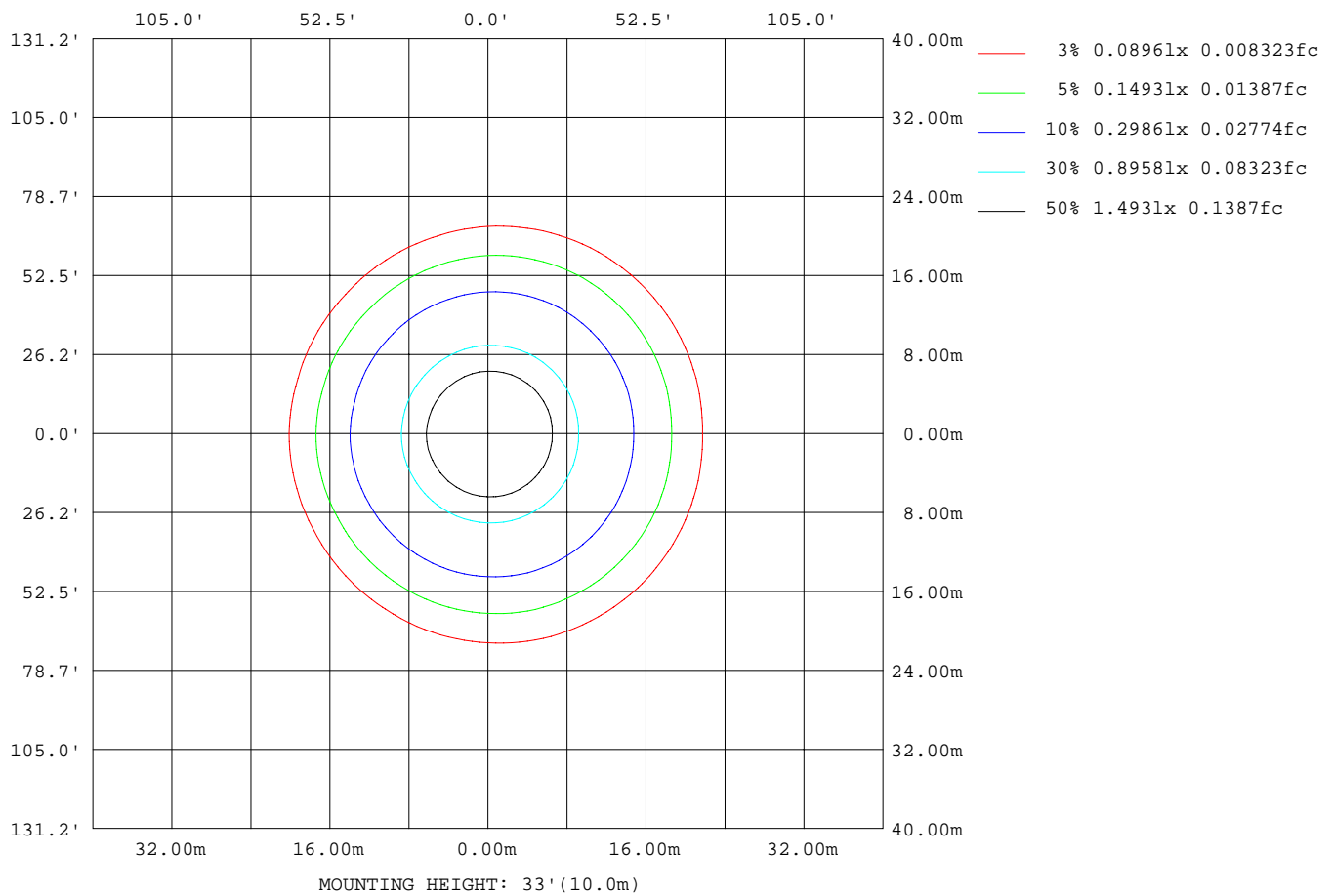
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:DAMIN  
 Test Date:2017-03-25

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
 Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.351  
 Humidity:65.0%  
 Test Distance:4.890m [K=1.0000]  
 Remarks:

## ISOLUX DIAGRAM

Test:U:24.01V I:0.4280A P:10.28W PF:0.9989 Lamp Flux:866.828x1 lm		
NAME: LED Strip	TYPE:Indoor lighting	WEIGHT:
SPEC.:2016 120LED	DIM.: 1000*10*1MM	SERIAL No.:20170325004
MFR.: Dilux	SUR.:1000*10mm	Shielding Angle:



C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:DAMIN  
Test Date:2017-03-25

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.351  
Humidity:65.0%  
Test Distance:4.890m [K=1.0000]  
Remarks:

## LED Avg.L Report

Test:U:24.01V I:0.4280A P:10.28W PF:0.9989 Lamp Flux:866.828x1 lm		
NAME: LED Strip	TYPE:Indoor lighting	WEIGHT:
SPEC.:2016 120LED	DIM.: 1000*10*1MM	SERIAL No.:20170325004
MFR.: Dilux	SUR.:1000*10mm	Shielding Angle:

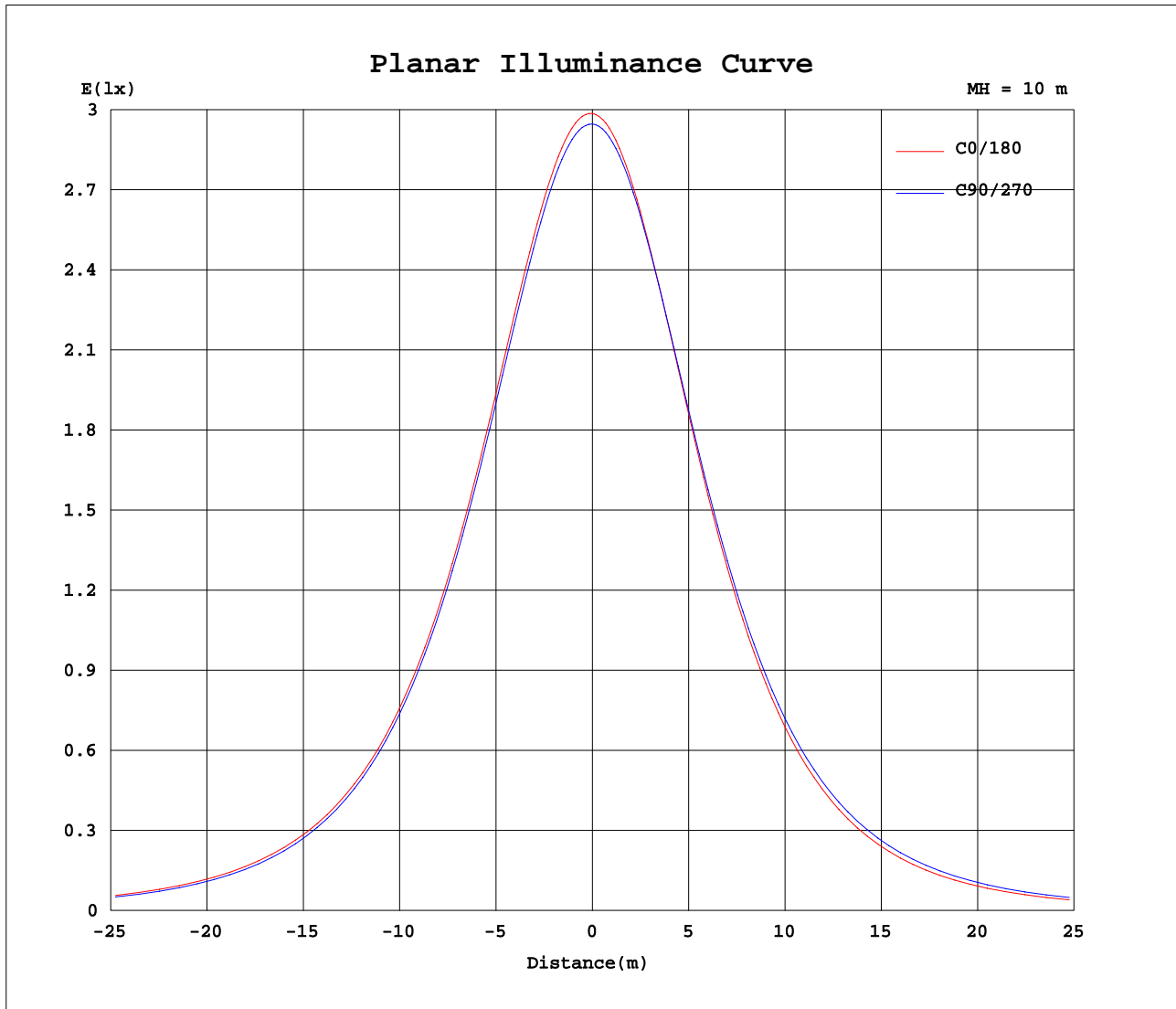
AvgL	cd/m2
L_0~180(65)av	25762
L_0~180(75)av	21070
L_0~180(85)av	11220
L_90~270(65)av	26405
L_90~270(75)av	21893
L_90~270(85)av	10464
L_45(65)av	26070
L_45(75)av	21584
L_45(85)av	11961

Standard: GB/T 29293-2012

C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:DAMIN  
Test Date:2017-03-25

γ Range: 0 - 180DEG  
γ Interval: 1.0DEG  
Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.351  
Humidity:65.0%  
Test Distance:4.890m [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: 2017-03-25

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
Test System: EVERFINE GO-2000B\_V1 SYSTEM V2.0.351  
Humidity: 65.0%  
Test Distance: 4.890m [K=1.0000]  
Remarks:

## LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:24.01V I:0.4280A P:10.28W PF:0.9989 Lamp Flux:866.828x1 lm		
NAME: LED Strip	TYPE:Indoor lighting	WEIGHT:
SPEC.:2016 120LED	DIM.: 1000*10*1MM	SERIAL No.:20170325004
MFR.: Dilux	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	299	297	297	295	295	295	295	295	296	297	297	299	299	297	297	295	295	295	295
5	298	297	297	295	295	295	294	294	294	295	295	297	297	295	294	293	292	293	293
10	296	295	295	293	292	292	291	291	291	291	291	292	292	290	289	288	288	289	289
15	291	290	290	289	288	288	286	285	285	285	284	286	285	283	282	281	281	283	284
20	284	284	283	282	281	281	279	277	276	276	275	276	276	274	273	272	273	274	276
25	274	274	274	273	272	272	269	267	266	265	264	265	264	262	261	261	262	264	265
30	263	263	263	262	261	260	257	255	253	252	250	251	250	248	247	247	249	251	253
35	249	249	250	249	248	247	243	241	238	236	234	234	234	231	231	231	233	236	239
40	233	233	234	234	232	231	227	224	221	218	216	216	215	213	213	213	216	219	222
45	215	216	216	216	215	213	209	205	201	198	195	195	195	192	193	193	196	199	203
50	195	196	197	196	195	193	188	184	180	176	173	173	172	170	170	171	174	178	183
55	173	174	175	174	172	170	165	161	156	152	148	148	147	145	146	147	151	155	160
60	149	151	151	151	148	146	140	135	130	126	122	121	121	119	120	121	125	130	136
65	124	126	126	125	123	120	114	108	103	98.4	94.6	93.8	93.8	91.9	92.8	94.3	98.5	103	109
70	97.4	99.0	99.2	98.3	95.4	92.1	86.1	80.7	74.6	70.1	66.4	65.5	65.8	63.9	65.1	66.7	71.1	75.9	82.5
75	70.6	72.3	72.1	71.1	67.7	64.5	58.4	53.1	47.3	43.0	39.3	38.2	38.4	37.2	38.5	40.4	44.6	49.3	54.9
80	43.8	45.7	45.3	44.5	41.3	38.1	32.3	27.9	22.4	18.9	15.6	14.6	14.8	14.3	15.7	17.4	20.9	24.9	29.8
85	19.6	21.2	21.3	20.9	18.2	15.0	9.63	7.03	2.93	0.63	0.02	0.00	0.00	0.01	0.00	0.67	2.96	5.58	8.61
90	1.52	2.75	2.90	2.63	0.75	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	0.00	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
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:2017-03-25

γ Range: 0 - 180DEG  
γ Interval: 1.0DEG  
Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.351  
Humidity:65.0%  
Test Distance:4.890m [K=1.0000]  
Remarks:

## LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:24.01V I:0.4280A P:10.28W PF:0.9989 Lamp Flux:866.828x1 lm		
NAME: LED Strip	TYPE:Indoor lighting	WEIGHT:
SPEC.:2016 120LED	DIM.: 1000*10*1MM	SERIAL No.:20170325004
MFR.: Dilux	SUR.:1000*10mm	Shielding Angle:

Table--2

UNIT: cd

C(DEG) γ (DEG)	285	300	315	330	345														
0	295	296	297	297	299														
5	294	295	296	297	299														
10	290	292	294	294	296														
15	285	287	289	290	292														
20	277	279	282	282	285														
25	267	270	272	273	275														
30	255	258	260	262	263														
35	241	245	247	248	250														
40	225	229	231	232	234														
45	207	211	213	214	215														
50	187	191	193	195	196														
55	165	169	171	173	174														
60	141	145	148	150	150														
65	115	120	123	125	125														
70	86.2	91.1	96.0	98.4	98.7														
75	59.7	65.6	69.0	71.4	71.7														
80	34.3	39.8	42.5	45.1	45.3														
85	13.0	16.8	19.5	21.2	20.8														
90	0.01	0.77	2.09	3.01	2.41														
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	0.00	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:2017-03-25

γ Range: 0 - 180DEG  
 γ Interval: 1.0DEG  
 Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.351  
 Humidity:65.0%  
 Test Distance:4.890m [K=1.0000]  
 Remarks: