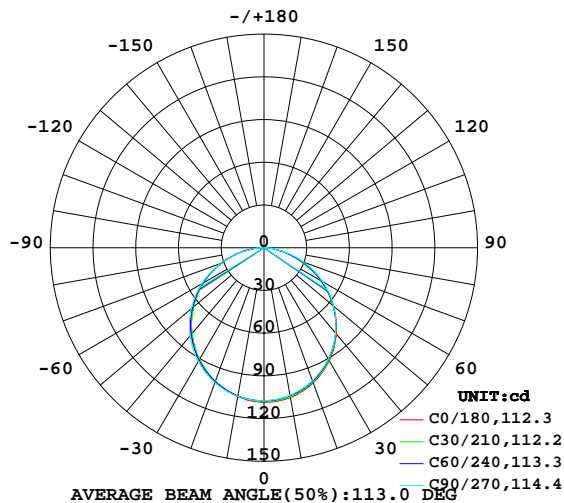


## LUMINAIRE PHOTOMETRIC TEST REPORT

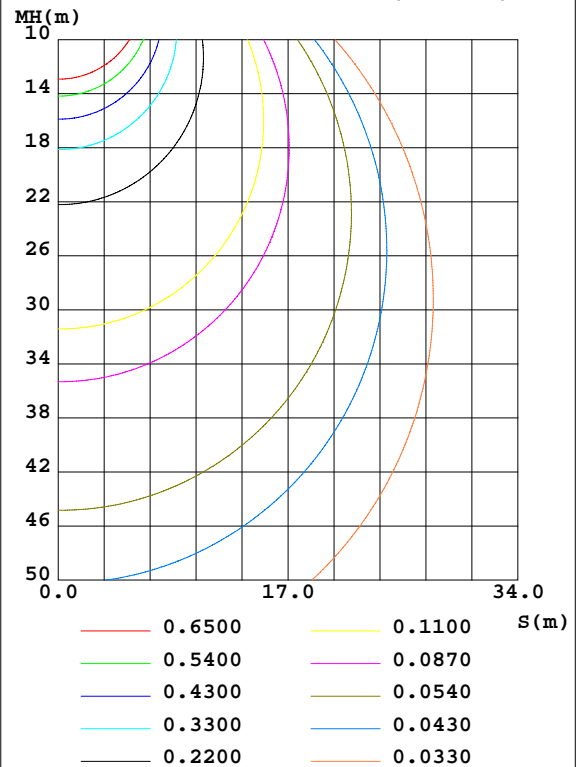
Test:U:24.006V I:0.3744A P:8.9868W PF:1.0000 Freq:0Hz Lamp Flux:316.944x1 lm		
NAME: LED Strip	TYPE:Indoor lighting	WEIGHT:20g
SPEC.:2835 120LED	DIM.: 1000*12*8mm	SERIAL No.:20200824002
MFR.: EVERFINE	SUR.:1000*12mm	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 35.27 lm/W			
MODEL: 23WW120TA-24VDC	10-HR-SE-080-IC-TS	Imax(cd)	108.5	S/MH(C0/180)	1.24
NOMINAL POWER(W)	9.13018	LOR(%)	100.0	S/MH(C90/270)	1.28
RATED VOLTAGE(V)	DC 24	TOTAL FLUX(lm)	316.94	$\eta$ UP,DN(C0-180)	0.8,48.5
NOMINAL FLUX(lm)	316.944	CIE CLASS	DIRECT	$\eta$ UP,DN(C180-360)	0.8,50.0
LAMPS INSIDE	1	$\eta$ up(%)	1.6	CIBSE SHR NOM	1.25
TEST VOLTAGE(V)	DC 24	$\eta$ down(%)	98.4	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:2020-08-24

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
 Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.00.414  
 Humidity:65.0%  
 Test Distance:4.717m [K=1.0000]  
 Remarks:

## ZONAL FLUX DIAGRAM

### ZONAL FLUX DIAGRAM:

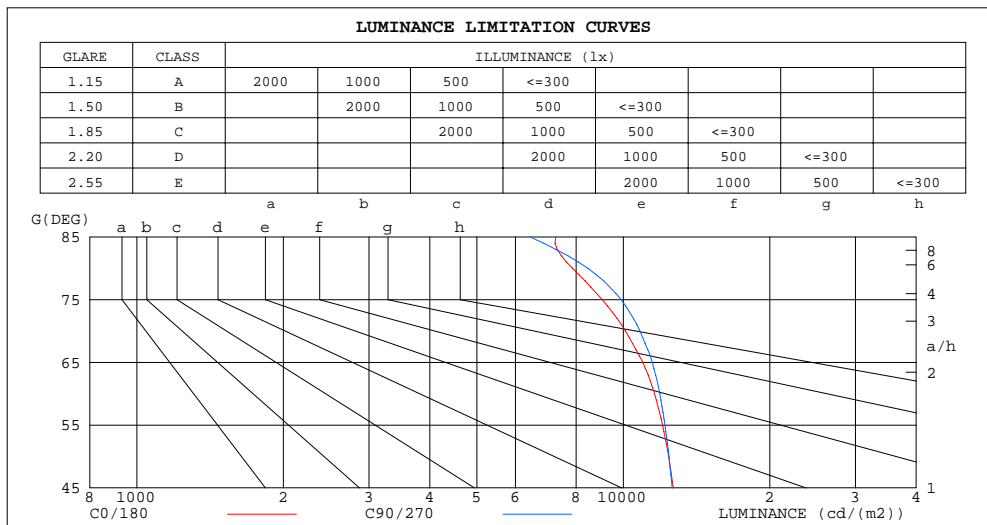
$\gamma$	C0	C45	C90	C135	C180	C225	C270	C315	$\gamma$	$\Phi$ zone	$\Phi$ total	%lum, lamp
10	106.8	106.0	105.2	105.2	106.2	105.6	105.9	106.5	0- 10	10.19	10.19	3.22,3.22
20	101.0	100.2	99.32	99.13	100.0	99.83	100.8	101.4	10- 20	29.19	39.38	12.4,12.4
30	91.58	90.87	90.17	89.97	90.67	90.73	92.28	92.70	20- 30	44.24	83.62	26.4,26.4
40	78.96	78.41	78.17	78.17	78.72	78.91	80.80	80.80	30- 40	53.42	137.0	43.2,43.2
50	63.71	63.21	63.82	64.09	64.56	64.86	66.74	66.17	40- 50	55.65	192.7	60.8,60.8
60	46.36	46.10	47.53	48.40	49.01	49.03	50.37	49.30	50- 60	50.60	243.3	76.8,76.8
70	27.63	27.55	29.58	31.44	32.35	31.65	32.27	30.63	60- 70	39.00	282.3	89.1,89.1
80	10.92	10.21	11.74	14.57	15.78	14.25	13.66	12.50	70- 80	22.65	304.9	96.2,96.2
90	1.602	1.079	0.5704	2.924	4.198	2.302	0.9120	1.556	80- 90	7.055	312.0	98.4,98.4
100	0.6033	0.5674	0.3987	0.4467	0.7618	0.4861	0.3809	0.5304	90-100	0.9791	313.0	98.7,98.7
110	0.6711	0.6400	0.5091	0.5328	0.5206	0.5204	0.4983	0.6276	100-110	0.5555	313.5	98.9,98.9
120	0.7716	0.7204	0.6420	0.6568	0.6401	0.6354	0.6334	0.7102	110-120	0.6155	314.2	99.1,99.1
130	0.8688	0.7885	0.7682	0.7797	0.7630	0.7527	0.7596	0.7572	120-130	0.6523	314.8	99.3,99.3
140	0.8890	0.8802	0.8900	0.9003	0.8802	0.8677	0.8813	0.8576	130-140	0.6422	315.4	99.5,99.5
150	0.9716	0.9863	1.003	1.006	0.9908	0.9727	0.9930	0.9693	140-150	0.5850	316.0	99.7,99.7
160	1.080	1.089	1.100	1.106	1.099	1.078	1.096	1.072	150-160	0.4794	316.5	99.9,99.9
170	1.179	1.176	1.179	1.186	1.193	1.165	1.182	1.164	160-170	0.3201	316.8	100,100
180	1.236	1.218	1.222	1.220	1.235	1.220	1.222	1.220	170-180	0.1143	316.9	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:2020-08-24

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.00.414  
Humidity:65.0%  
Test Distance:4.717m [K=1.0000]  
Remarks:

## LUMINANCE LIMITATION CURVES

Test:U:24.006V I:0.3744A P:8.9868W PF:1.0000 Freq:0Hz Lamp Flux:316.944x1 lm		
NAME: LED Strip	TYPE:Indoor lighting	WEIGHT:20g
SPEC.:2835 120LED	DIM.: 1000*12*8mm	SERIAL No.:20200824002
MFR.: EVERFINE	SUR.:1000*12mm	Shielding Angle:



LUMINANCE cd/(m2)		
G(DEG)	C0/180	C90/270
85	7265	6424
80	7863	8454
75	9048	9896
70	10098	10811
65	10970	11469
60	11589	11883
55	12041	12182
50	12390	12411
45	12663	12596

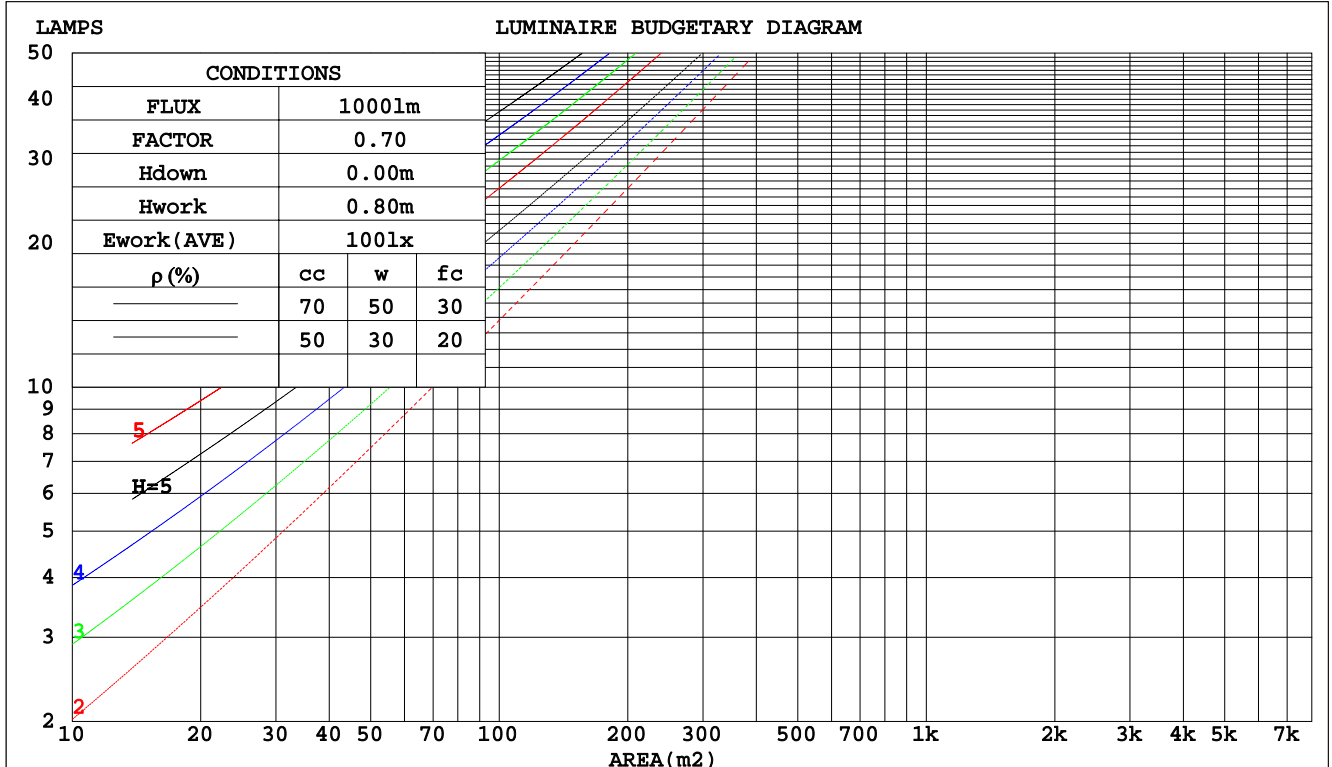
C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:DAMIN  
Test Date:2020-08-24

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.00.414  
Humidity:65.0%  
Test Distance:4.717m [K=1.0000]  
Remarks:

## CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:24.006V I:0.3744A P:8.9868W PF:1.0000 Freq:0Hz Lamp Flux:316.944x1 lm		
NAME: LED Strip	TYPE:Indoor lighting	WEIGHT:20g
SPEC.:2835 120LED	DIM.: 1000*12*8mm	SERIAL No.:20200824002
MFR.: EVERFINE	SUR.:1000*12mm	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	.98
1.0	1.03	.99	.95	1.01	.97	.93	.96	.93	.90	.92	.89	.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	.61	.68	.63	.59	.57
4.0	.70	.61	.54	.68	.60	.53	.65	.58	.53	.63	.57	.52	.61	.55	.51	.49
5.0	.62	.53	.46	.61	.52	.46	.59	.51	.45	.56	.50	.45	.54	.49	.44	.42
6.0	.56	.47	.40	.55	.46	.40	.53	.45	.40	.51	.44	.39	.49	.43	.39	.37
7.0	.51	.42	.36	.50	.41	.35	.48	.41	.35	.46	.40	.35	.45	.39	.34	.32
8.0	.46	.38	.32	.45	.37	.32	.44	.37	.31	.43	.36	.31	.41	.35	.31	.29
9.0	.42	.34	.28	.42	.34	.28	.40	.33	.28	.39	.33	.28	.38	.32	.28	.26
10.0	.39	.31	.26	.38	.31	.26	.37	.30	.26	.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:2020-08-24

γ Range: 0 - 180DEG  
γ Interval: 1.0DEG  
Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.00.414  
Humidity:65.0%  
Test Distance:4.717m [K=1.0000]  
Remarks:

## WEC AND CCEC

Test:U:24.006V I:0.3744A P:8.9868W PF:1.0000 Freq:0Hz Lamp Flux:316.944x1 lm		
NAME: LED Strip	TYPE:Indoor lighting	WEIGHT:20g
SPEC.:2835 120LED	DIM.: 1000*12*8mm	SERIAL No.:20200824002
MFR.: EVERFINE	SUR.:1000*12mm	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	.315	.179	.057	.307	.175	.056	.293	.168	.054	.280	.161	.052	.268	.155	.050		
2.0	.295	.161	.050	.288	.159	.049	.275	.153	.048	.264	.148	.046	.253	.143	.045		
3.0	.272	.145	.043	.266	.142	.043	.255	.138	.042	.244	.134	.041	.235	.130	.040		
4.0	.250	.130	.038	.245	.128	.038	.235	.125	.037	.226	.121	.037	.218	.118	.036		
5.0	.231	.118	.034	.227	.116	.034	.218	.113	.033	.210	.111	.033	.202	.108	.032		
6.0	.214	.107	.031	.210	.106	.031	.202	.104	.030	.195	.101	.030	.188	.099	.029		
7.0	.199	.099	.028	.196	.097	.028	.189	.095	.027	.182	.093	.027	.176	.091	.027		
8.0	.186	.091	.026	.183	.090	.025	.176	.088	.025	.170	.086	.025	.165	.085	.025		
9.0	.174	.084	.024	.171	.083	.023	.166	.082	.023	.160	.080	.023	.155	.079	.023		
10.0	.164	.079	.022	.161	.078	.022	.156	.076	.022	.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	.202	.202	.202	.173	.173	.173	.118	.118	.118	.068	.068	.068	.022	.022	.022	
1.0	.193	.168	.146	.165	.144	.126	.113	.099	.087	.065	.057	.051	.021	.018	.016	
2.0	.185	.144	.110	.158	.124	.095	.108	.086	.066	.063	.050	.039	.020	.016	.013	
3.0	.177	.126	.086	.152	.109	.075	.104	.076	.052	.060	.044	.031	.019	.014	.010	
4.0	.169	.113	.070	.145	.098	.061	.100	.068	.043	.058	.040	.025	.019	.013	.008	
5.0	.162	.103	.059	.139	.089	.052	.096	.062	.036	.055	.036	.022	.018	.012	.007	
6.0	.155	.095	.051	.133	.082	.045	.092	.057	.032	.053	.034	.019	.017	.011	.006	
7.0	.148	.088	.045	.127	.076	.040	.088	.053	.028	.051	.031	.017	.016	.010	.006	
8.0	.141	.082	.041	.122	.071	.036	.084	.050	.025	.049	.029	.015	.016	.010	.005	
9.0	.135	.077	.037	.117	.067	.033	.081	.047	.023	.047	.028	.014	.015	.009	.005	
10.0	.130	.073	.035	.112	.063	.030	.078	.044	.022	.045	.026	.013	.015	.009	.004	

C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:DAMIN  
Test Date:2020-08-24

γ Range: 0 - 180DEG  
γ Interval: 1.0DEG  
Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.00.414  
Humidity:65.0%  
Test Distance:4.717m [K=1.0000]  
Remarks:

## UGR(Unified Glare Rating) Table

Test:U:24.006V I:0.3744A P:8.9868W PF:1.0000 Freq:0Hz Lamp Flux:316.944x1 lm											
NAME: LED Strip					TYPE:Indoor lighting			WEIGHT:20g			
SPEC.:2835 120LED					DIM.: 1000*12*8mm			SERIAL No.:20200824002			
MFR.: EVERFINE					SUR.:1000*12mm			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		25.3	26.8	25.6	27.0	27.3	25.4	26.9	25.7	27.1	27.4
3H		26.7	28.1	27.0	28.3	28.6	26.9	28.3	27.2	28.5	28.8
4H		27.2	28.5	27.6	28.8	29.1	27.5	28.8	27.8	29.1	29.4
6H		27.6	28.8	27.9	29.1	29.4	27.8	29.1	28.2	29.4	29.7
8H		27.7	28.9	28.0	29.2	29.5	28.0	29.2	28.3	29.5	29.8
12H		27.7	28.9	28.1	29.2	29.6	28.0	29.2	28.4	29.5	29.8
4H 2H		25.9	27.2	26.2	27.5	27.8	25.9	27.3	26.3	27.5	27.8
3H		27.4	28.6	27.8	28.9	29.3	27.6	28.8	28.0	29.1	29.4
4H		28.1	29.1	28.5	29.5	29.8	28.3	29.4	28.7	29.7	30.1
6H		28.5	29.5	28.9	29.8	30.2	28.8	29.7	29.2	30.1	30.5
8H		28.7	29.6	29.1	29.9	30.4	28.9	29.8	29.4	30.2	30.6
12H		28.8	29.6	29.2	30.0	30.4	29.0	29.8	29.5	30.2	30.7
8H 4H		28.3	29.2	28.7	29.5	30.0	28.5	29.4	28.9	29.8	30.2
6H		28.9	29.6	29.3	30.0	30.5	29.1	29.8	29.6	30.3	30.7
8H		29.1	29.7	29.6	30.2	30.7	29.3	29.9	29.8	30.4	30.9
12H		29.3	29.8	29.8	30.3	30.8	29.4	30.0	29.9	30.5	31.0
12H 4H		28.3	29.1	28.7	29.5	29.9	28.5	29.3	28.9	29.7	30.1
6H		28.9	29.5	29.4	30.0	30.5	29.1	29.8	29.6	30.2	30.7
8H		29.1	29.7	29.6	30.2	30.7	29.3	29.9	29.9	30.4	30.9
Variations with the observer position at spacings:											
S = 1.0H		+ 0.2 / - 0.2					+ 0.2 / - 0.2				
1.5H		+ 0.2 / - 0.3					+ 0.2 / - 0.3				
2.0H		+ 0.2 / - 0.3					+ 0.2 / - 0.3				

CIE Pub.117, 316.9 lm Total Lamp Luminous Flux Correct (8log(F/F0) = -4.0)  
Area: 0.008 m2

C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:DAMIN  
Test Date:2020-08-24

γ Range: 0 - 180DEG  
γ Interval: 1.0DEG  
Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.00.414  
Humidity:65.0%  
Test Distance:4.717m [K=1.0000]  
Remarks:

### UTILIZATION FACTORS TABLE

Test:U:24.006V I:0.3744A P:8.9868W PF:1.0000 Freq:0Hz Lamp Flux:316.944x1 lm		
NAME: LED Strip	TYPE:Indoor lighting	WEIGHT:20g
SPEC.:2835 120LED	DIM.: 1000*12*8mm	SERIAL No.:20200824002
MFR.: EVERFINE	SUR.:1000*12mm	Shielding Angle:

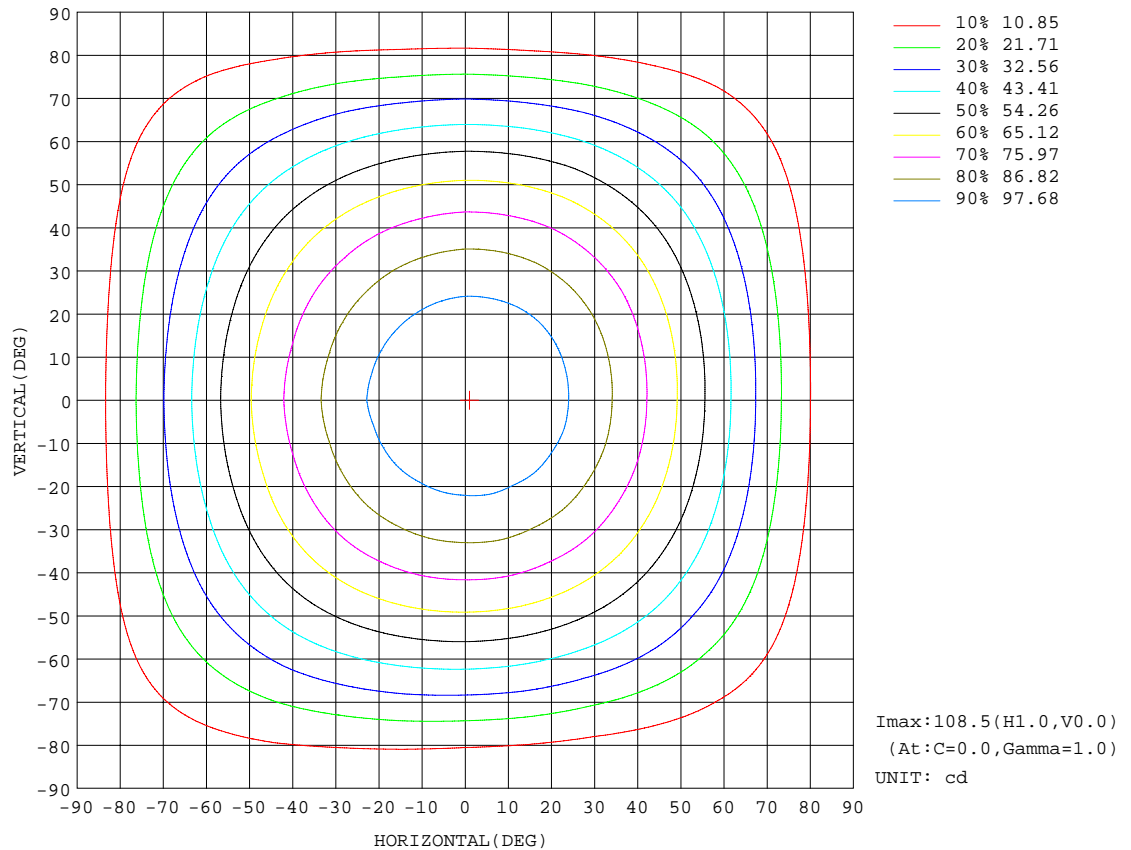
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	57	45	38	56	45	38	55	44	38	31
0.80	67	55	48	66	54	47	64	54	47	40
1.00	75	64	56	74	63	56	71	64	55	48
1.25	82	72	64	81	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	101	94	89	99	93	88	95	90	85	76
4.00	106	100	95	103	98	93	98	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					SHRNOM = 1.25		

C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:DAMIN  
Test Date:2020-08-24

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.00.414  
Humidity:65.0%  
Test Distance:4.717m [K=1.0000]  
Remarks:

**ISOCANDELA DIAGRAM**

Test:U:24.006V I:0.3744A P:8.9868W PF:1.0000 Freq:0Hz Lamp Flux:316.944x1 lm		
NAME: LED Strip	TYPE:Indoor lighting	WEIGHT:20g
SPEC.:2835 120LED	DIM.: 1000*12*8mm	SERIAL No.:20200824002
MFR.: EVERFINE	SUR.:1000*12mm	Shielding Angle:



C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:DAMIN  
 Test Date:2020-08-24

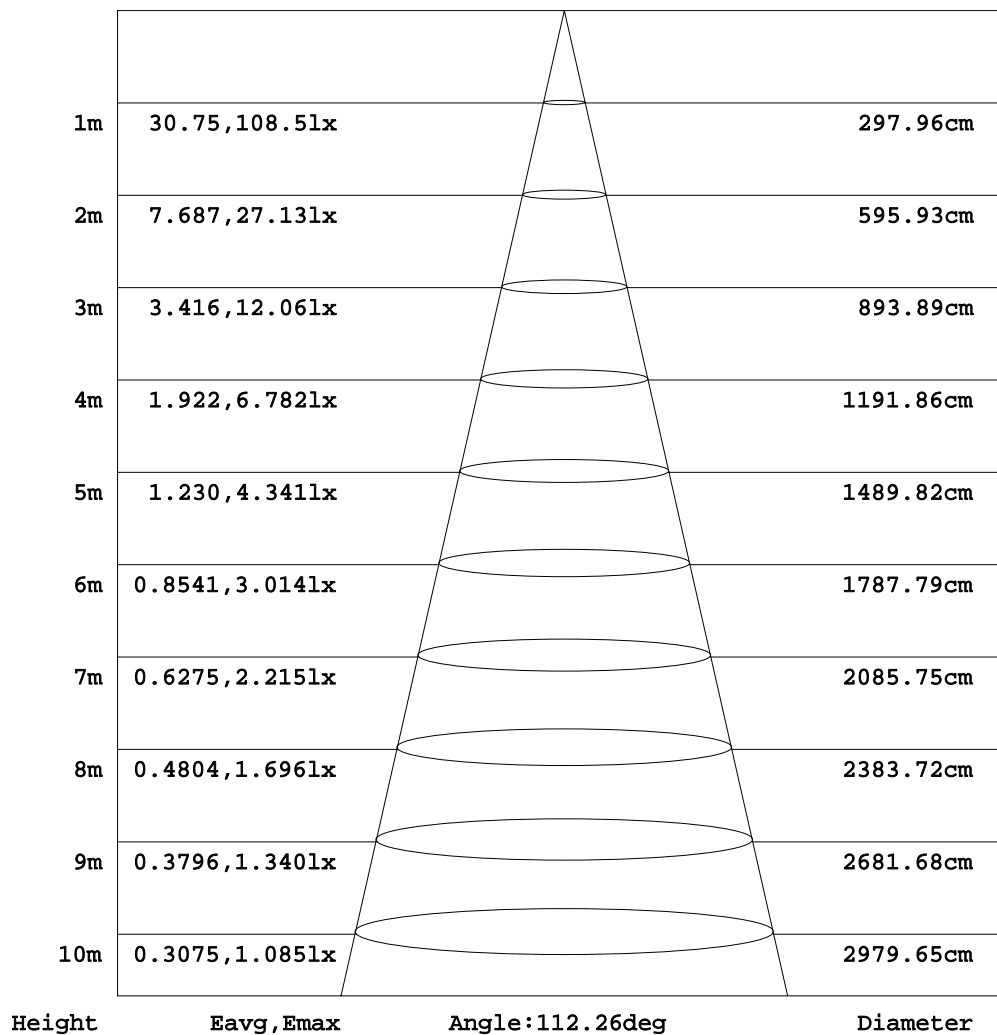
γ Range: 0 - 180DEG  
 γ Interval: 1.0DEG  
 Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.00.414  
 Humidity:65.0%  
 Test Distance:4.717m [K=1.0000]  
 Remarks:



### AAI Figure

Test:U:24.006V I:0.3744A P:8.9868W PF:1.0000 Freq:0Hz Lamp Flux:316.944x1 lm		
NAME: LED Strip	TYPE:Indoor lighting	WEIGHT:20g
SPEC.:2835 120LED	DIM.: 1000*12*8mm	SERIAL No.:20200824002
MFR.: EVERFINE	SUR.:1000*12mm	Shielding Angle:

Flux out:229.0 lm



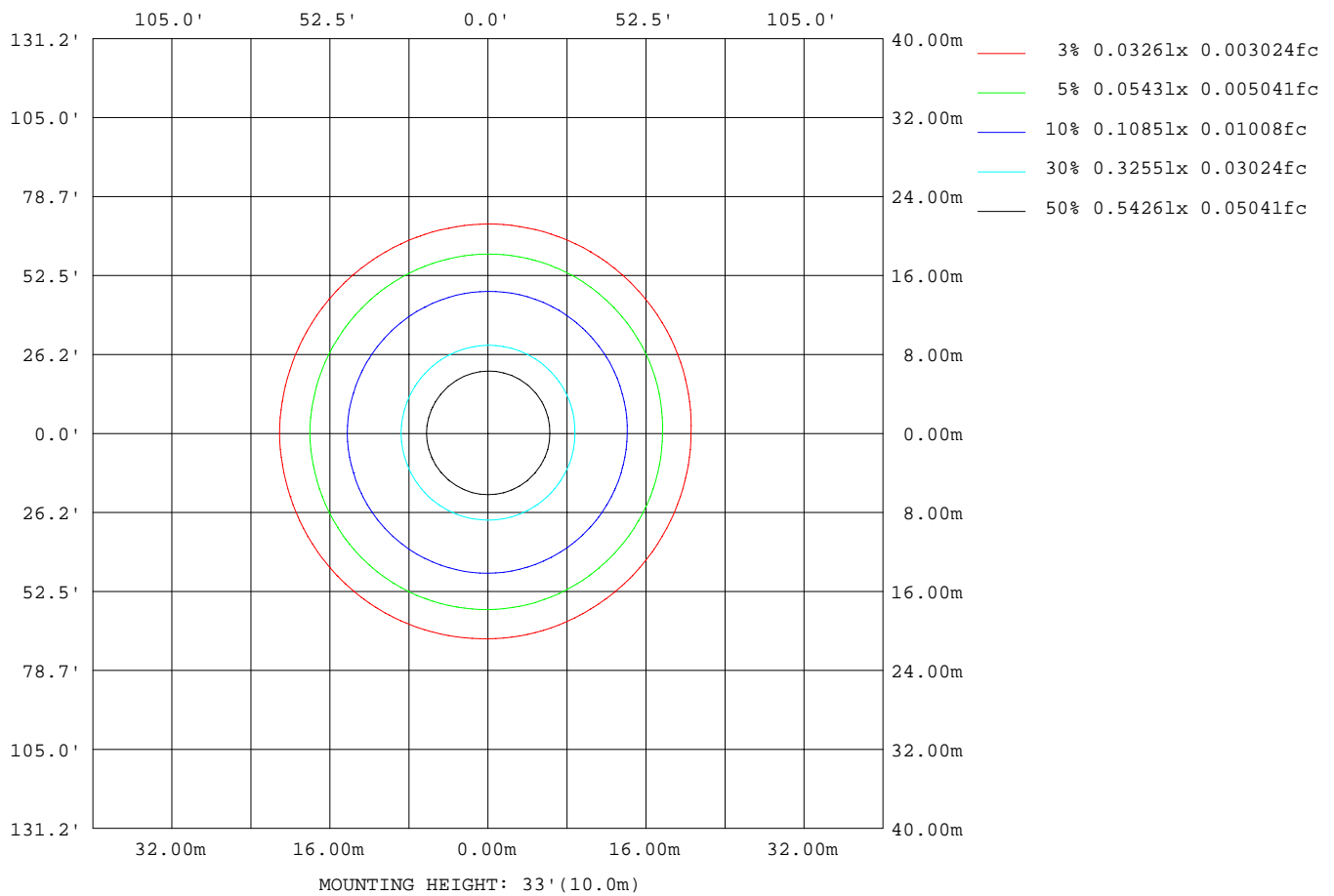
Note: The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature: 25.3DEG  
 Operators: DAMIN  
 Test Date: 2020-08-24

γ Range: 0 - 180DEG  
 γ Interval: 1.0DEG  
 Test System: EVERFINE GO-2000A\_V1 SYSTEM V2.00.414  
 Humidity: 65.0%  
 Test Distance: 4.717m [K=1.0000]  
 Remarks:

**ISOLUX DIAGRAM**

Test:U:24.006V I:0.3744A P:8.9868W PF:1.0000 Freq:0Hz Lamp Flux:316.944x1 lm		
NAME: LED Strip	TYPE:Indoor lighting	WEIGHT:20g
SPEC.:2835 120LED	DIM.: 1000*12*8mm	SERIAL No.:20200824002
MFR.: EVERFINE	SUR.:1000*12mm	Shielding Angle:



C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:DAMIN  
 Test Date:2020-08-24

γ Range: 0 - 180DEG  
 γ Interval: 1.0DEG  
 Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.00.414  
 Humidity:65.0%  
 Test Distance:4.717m [K=1.0000]  
 Remarks:

## LED Avg.L Report

Test:U:24.006V I:0.3744A P:8.9868W PF:1.0000 Freq:0Hz Lamp Flux:316.944x1 lm		
NAME: LED Strip	TYPE:Indoor lighting	WEIGHT:20g
SPEC.:2835 120LED	DIM.: 1000*12*8mm	SERIAL No.:20200824002
MFR.: EVERFINE	SUR.:1000*12mm	Shielding Angle:

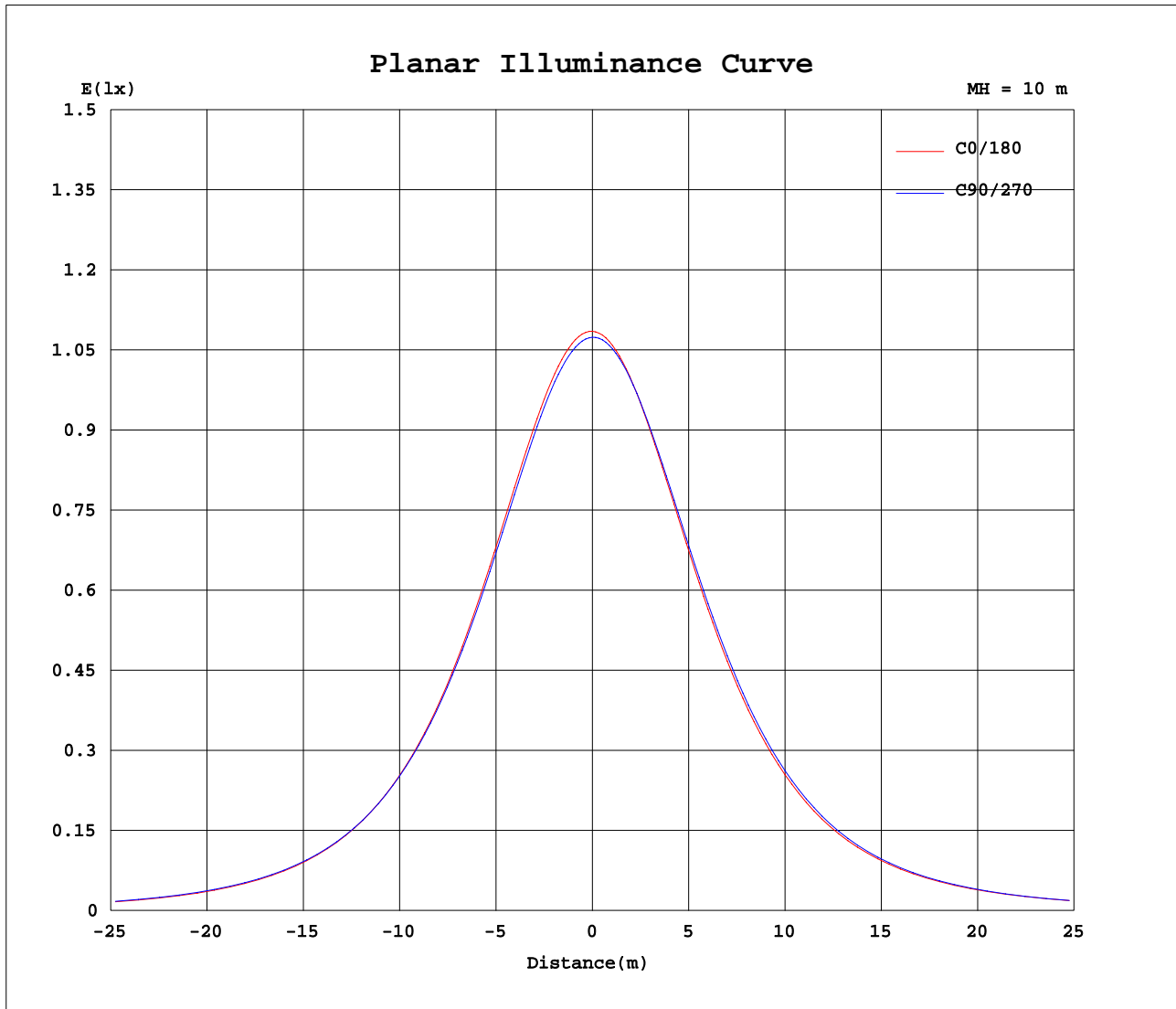
AvgL	cd/m2
L_0~180(65)av	11514
L_0~180(75)av	10293
L_0~180(85)av	9939
L_90~270(65)av	11871
L_90~270(75)av	10465
L_90~270(85)av	7286
L_45(65)av	11665
L_45(75)av	10303
L_45(85)av	8609

Standard: GB/T 29293-2012

C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:DAMIN  
 Test Date:2020-08-24

γ Range: 0 - 180DEG  
 γ Interval: 1.0DEG  
 Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.00.414  
 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: 2020-08-24

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
 Test System: EVERFINE GO-2000A\_V1 SYSTEM V2.00.414  
 Humidity: 65.0%  
 Test Distance: 4.717m [K=1.0000]  
 Remarks:

## LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:24.006V I:0.3744A P:8.9868W PF:1.0000 Freq:0Hz Lamp Flux:316.944x1 lm		
NAME: LED Strip	TYPE:Indoor lighting	WEIGHT:20g
SPEC.:2835 120LED	DIM.: 1000*12*8mm	SERIAL No.:20200824002
MFR.: EVERFINE	SUR.:1000*12mm	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	109	108	108	108	107	108	107	107	107	108	108	108	109	108	108	108	107	108	107
5	108	108	108	107	107	107	107	107	107	107	107	107	108	108	107	107	107	107	107
10	107	107	106	106	105	105	105	105	105	105	105	106	106	106	106	106	106	106	106
15	104	104	104	104	103	103	103	102	102	103	103	103	104	103	103	103	103	104	104
20	101	101	100	100	99.7	99.7	99.3	99.2	99.0	99.1	99.2	99.3	100	99.7	99.7	99.8	100	100	101
25	96.7	96.6	96.1	95.9	95.5	95.5	95.1	95.0	94.8	94.9	94.9	95.0	95.7	95.4	95.5	95.6	96.0	96.5	96.9
30	91.6	91.4	91.0	90.9	90.5	90.5	90.2	90.1	89.9	90.0	89.9	90.0	90.7	90.4	90.5	90.7	91.2	91.7	92.3
35	85.6	85.5	85.0	85.0	84.6	84.8	84.5	84.5	84.3	84.4	84.2	84.3	85.0	84.7	84.8	85.1	85.7	86.2	86.9
40	79.0	78.8	78.4	78.4	78.2	78.4	78.2	78.2	78.1	78.2	78.0	78.0	78.7	78.4	78.6	78.9	79.6	80.1	80.8
45	71.6	71.5	71.1	71.2	71.1	71.4	71.3	71.4	71.3	71.5	71.2	71.3	72.0	71.6	71.9	72.1	72.9	73.4	74.1
50	63.7	63.4	63.2	63.2	63.4	63.7	63.8	64.0	64.0	64.1	64.0	63.9	64.6	64.3	64.4	64.9	65.4	66.1	66.7
55	55.2	54.9	54.7	54.9	55.2	55.6	55.9	56.1	56.3	56.4	56.4	56.3	57.0	56.7	56.8	57.1	57.6	58.2	58.8
60	46.4	46.0	45.9	46.1	46.5	47.1	47.5	47.9	48.2	48.4	48.4	48.4	49.0	48.8	48.8	49.0	49.5	49.9	50.4
65	37.1	36.8	36.6	36.9	37.4	38.2	38.8	39.3	39.8	40.1	40.1	40.2	40.8	40.5	40.4	40.6	40.9	41.2	41.5
70	27.6	27.4	27.1	27.5	28.0	29.0	29.6	30.4	30.9	31.4	31.5	31.8	32.3	31.9	31.8	31.6	31.9	31.9	32.3
75	18.7	18.5	18.2	18.4	18.8	19.9	20.5	21.5	22.1	22.9	23.0	23.4	23.9	23.4	23.2	22.8	22.9	22.6	22.8
80	10.9	10.7	10.2	10.2	10.2	11.1	11.7	12.9	13.6	14.6	14.9	15.4	15.8	15.2	14.8	14.2	14.1	13.6	13.7
85	5.07	4.85	4.36	4.09	3.77	4.07	4.48	5.54	6.42	7.48	7.98	8.46	8.79	8.16	7.65	6.84	6.43	5.80	5.68
90	1.60	1.52	1.27	1.08	0.84	0.71	0.57	1.24	1.99	2.92	3.51	3.96	4.20	3.66	3.10	2.30	1.68	1.14	0.91
95	0.64	0.66	0.61	0.60	0.53	0.47	0.43	0.47	0.55	0.92	1.28	1.58	1.78	1.51	1.20	0.83	0.59	0.48	0.39
100	0.60	0.60	0.59	0.57	0.52	0.46	0.40	0.44	0.44	0.45	0.54	0.65	0.76	0.68	0.58	0.49	0.45	0.43	0.38
105	0.63	0.64	0.61	0.60	0.54	0.50	0.44	0.47	0.46	0.47	0.46	0.46	0.49	0.48	0.48	0.48	0.48	0.45	0.43
110	0.67	0.68	0.66	0.64	0.59	0.54	0.51	0.53	0.53	0.53	0.51	0.51	0.52	0.51	0.53	0.52	0.53	0.51	0.50
115	0.72	0.73	0.69	0.68	0.63	0.59	0.58	0.60	0.59	0.60	0.57	0.57	0.58	0.57	0.58	0.58	0.59	0.57	0.57
120	0.77	0.78	0.75	0.72	0.66	0.65	0.64	0.66	0.65	0.66	0.64	0.63	0.64	0.63	0.64	0.64	0.65	0.62	0.63
125	0.82	0.83	0.78	0.76	0.70	0.70	0.70	0.72	0.71	0.72	0.70	0.70	0.70	0.69	0.70	0.70	0.70	0.68	0.70
130	0.87	0.88	0.82	0.79	0.76	0.76	0.77	0.78	0.77	0.78	0.76	0.76	0.76	0.75	0.76	0.75	0.76	0.74	0.76
135	0.90	0.89	0.84	0.83	0.81	0.83	0.83	0.84	0.84	0.84	0.82	0.82	0.82	0.81	0.82	0.81	0.82	0.81	0.82
140	0.89	0.90	0.88	0.88	0.87	0.89	0.89	0.90	0.89	0.90	0.88	0.88	0.88	0.86	0.88	0.87	0.87	0.87	0.88
145	0.92	0.95	0.93	0.93	0.92	0.95	0.95	0.96	0.95	0.96	0.93	0.93	0.94	0.92	0.93	0.92	0.93	0.93	0.94
150	0.97	0.99	0.97	0.99	0.98	1.00	1.00	1.02	1.00	1.01	0.99	0.99	0.99	0.97	0.99	0.97	0.99	0.98	0.99
155	1.03	1.04	1.03	1.04	1.04	1.05	1.05	1.07	1.06	1.06	1.04	1.04	1.05	1.03	1.04	1.03	1.04	1.04	1.05
160	1.08	1.09	1.08	1.09	1.08	1.10	1.10	1.11	1.10	1.11	1.08	1.09	1.10	1.08	1.09	1.08	1.09	1.09	1.10
165	1.13	1.14	1.13	1.14	1.13	1.15	1.14	1.16	1.14	1.15	1.13	1.13	1.15	1.13	1.14	1.13	1.14	1.13	1.14
170	1.18	1.18	1.16	1.18	1.17	1.19	1.18	1.19	1.18	1.19	1.17	1.18	1.19	1.17	1.18	1.16	1.18	1.17	1.18
175	1.22	1.22	1.20	1.21	1.20	1.21	1.21	1.22	1.21	1.22	1.20	1.21	1.23	1.20	1.21	1.20	1.21	1.20	1.21
180	1.24	1.23	1.22	1.22	1.22	1.22	1.22	1.22	1.22	1.22	1.22	1.22	1.24	1.22	1.22	1.22	1.22	1.22	1.22

C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:DAMIN  
Test Date:2020-08-24

γ Range: 0 - 180DEG  
γ Interval: 1.0DEG  
Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.00.414  
Humidity:65.0%  
Test Distance:4.717m [K=1.0000]  
Remarks:

## LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:24.006V I:0.3744A P:8.9868W PF:1.0000 Freq:0Hz Lamp Flux:316.944x1 lm		
NAME: LED Strip	TYPE:Indoor lighting	WEIGHT:20g
SPEC.:2835 120LED	DIM.: 1000*12*8mm	SERIAL No.:20200824002
MFR.: EVERFINE	SUR.:1000*12mm	Shielding Angle:

Table--2

UNIT: cd

C(DEC) γ (DEC)	285	300	315	330	345														
0	107	107	108	108	108														
5	107	107	108	108	108														
10	106	106	106	106	107														
15	104	104	104	104	104														
20	101	101	101	101	101														
25	97.1	97.4	97.4	97.3	97.0														
30	92.5	92.7	92.7	92.4	92.0														
35	87.1	87.3	87.1	86.8	86.2														
40	81.0	81.2	80.8	80.4	79.6														
45	74.2	74.4	73.8	73.4	72.4														
50	66.9	66.9	66.2	65.5	64.6														
55	58.9	58.8	58.0	57.3	56.2														
60	50.4	50.2	49.3	48.5	47.5														
65	41.4	41.0	40.2	39.3	38.3														
70	31.9	31.5	30.6	29.9	28.8														
75	22.4	22.0	21.2	20.7	19.8														
80	13.2	13.0	12.5	12.3	11.7														
85	5.39	5.54	5.60	5.78	5.51														
90	0.98	1.31	1.56	1.79	1.76														
95	0.40	0.44	0.51	0.60	0.64														
100	0.41	0.49	0.53	0.58	0.60														
105	0.47	0.53	0.57	0.62	0.63														
110	0.50	0.59	0.63	0.68	0.68														
115	0.56	0.64	0.65	0.72	0.73														
120	0.62	0.66	0.71	0.77	0.78														
125	0.68	0.69	0.75	0.81	0.83														
130	0.74	0.75	0.76	0.82	0.88														
135	0.81	0.81	0.80	0.84	0.90														
140	0.87	0.87	0.86	0.87	0.90														
145	0.92	0.93	0.91	0.92	0.93														
150	0.98	0.98	0.97	0.98	0.97														
155	1.03	1.04	1.02	1.03	1.03														
160	1.08	1.09	1.07	1.09	1.08														
165	1.13	1.13	1.12	1.13	1.13														
170	1.17	1.18	1.16	1.17	1.17														
175	1.20	1.21	1.20	1.21	1.20														
180	1.22	1.22	1.22	1.22	1.22														

C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:DAMIN  
Test Date:2020-08-24

γ Range: 0 - 180DEG  
γ Interval: 1.0DEG  
Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.00.414  
Humidity:65.0%  
Test Distance:4.717m [K=1.0000]  
Remarks: