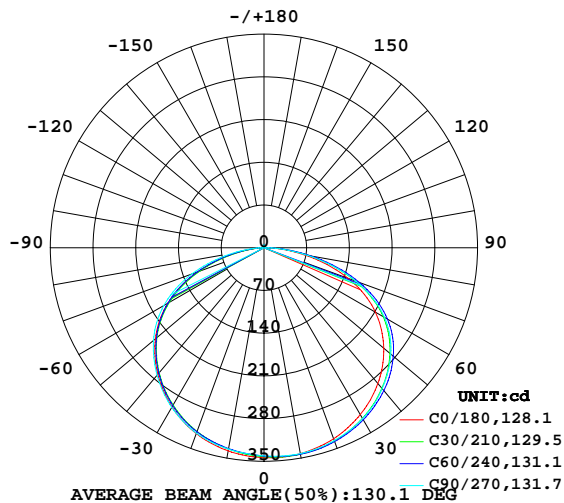


LUMINAIRE PHOTOMETRIC TEST REPORT

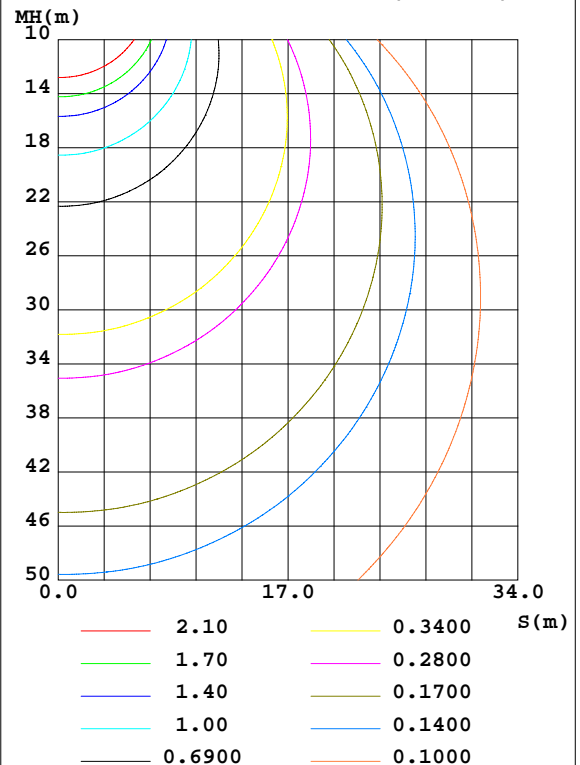
Test:U:23.99V I:0.8325A P:19.97W PF:1.000 Freq:0Hz Lamp Flux:1191.85x1 lm		
NAME: LED Strip	TYPE:Indoor lighting	WEIGHT:25g
SPEC.:5050 112LED	DIM.: 1000*10*1MM	SERIAL No.:20190430001
MFR.: EVERFINE	SUR.:1000*10mm	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 59.67 lm/W			
MODEL:SL102T50FC112B-24(WCP)		Imax(cd)	344.3	S/MH(C0/180)	1.31
NOMINAL POWER(W)	19.53	LOR(%)	100.0	S/MH(C90/270)	1.32
RATED VOLTAGE(V)	DC 24	TOTAL FLUX(lm)	1191.9	η UP,DN(C0-180)	0.6,51.7
NOMINAL FLUX(lm)	1191.85	CIE CLASS	DIRECT	η UP,DN(C180-360)	0.7,46.9
LAMPS INSIDE	1	η up(%)	1.3	CIBSE SHR NOM	1.50
TEST VOLTAGE(V)	DC 24	η down(%)	98.7	CIBSE SHR MAX	1.55

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:2019-07-29

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.362
Humidity:65.0%
Test Distance:4.717m [K=1.0000]
Remarks:

ZONAL FLUX DIAGRAM

ZONAL FLUX DIAGRAM:

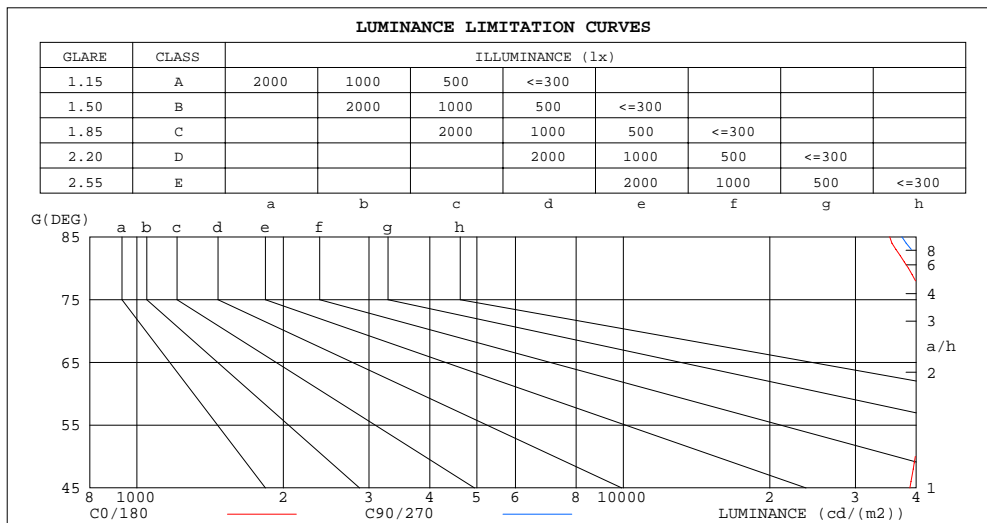
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	$\%lum, lamp$
10	342.5	343.9	342.5	340.3	338.1	334.3	335.1	338.9	0- 10	32.53	32.53	2.73,2.73
20	333.2	338.3	336.3	330.3	324.1	320.3	323.4	328.7	10- 20	94.75	127.3	10.7,10.7
30	315.7	324.7	323.3	311.5	301.4	298.0	302.1	310.2	20- 30	148.1	275.4	23.1,23.1
40	290.4	303.9	301.4	285.3	270.6	267.5	272.5	284.0	30- 40	186.9	462.3	38.8,38.8
50	256.1	274.9	271.3	251.4	232.2	229.2	236.2	248.4	40- 50	207.0	669.3	56.2,56.2
60	210.8	232.5	227.9	204.2	181.9	179.8	189.7	200.2	50- 60	204.1	873.4	73.3,73.3
70	146.6	165.5	160.3	134.2	114.9	113.0	125.7	138.2	60- 70	170.3	1044	87.6,87.6
80	66.96	79.27	73.14	52.72	42.25	41.11	51.92	61.79	70- 80	103.1	1147	96.2,96.2
90	5.361	7.169	3.736	1.980	1.297	1.548	2.970	5.673	80- 90	29.21	1176	98.7,98.7
100	1.250	1.327	1.506	1.572	1.479	1.616	1.693	1.453	90-100	1.871	1178	98.8,98.8
110	1.665	1.684	1.843	1.994	1.942	2.097	2.149	1.888	100-110	1.788	1180	99,99
120	2.106	2.108	2.281	2.295	2.385	2.543	2.592	2.344	110-120	2.119	1182	99.2,99.2
130	2.552	2.552	2.719	2.751	2.818	2.977	3.019	2.788	120-130	2.301	1184	99.3,99.3
140	3.006	3.011	3.153	3.206	3.240	3.384	3.433	3.243	130-140	2.324	1186	99.5,99.5
150	3.435	3.429	3.557	3.616	3.621	3.724	3.765	3.650	140-150	2.144	1189	99.7,99.7
160	3.836	3.798	3.874	3.960	3.959	3.992	4.030	3.977	150-160	1.745	1190	99.9,99.9
170	4.164	4.099	4.144	4.238	4.229	4.201	4.231	4.233	160-170	1.152	1191	100,100
180	4.359	4.307	4.321	4.378	4.360	4.306	4.322	4.395	170-180	0.4075	1192	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:2019-07-29

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.362
 Humidity:65.0%
 Test Distance:4.717m [K=1.0000]
 Remarks:

LUMINANCE LIMITATION CURVES

Test:U:23.99V I:0.8325A P:19.97W PF:1.000 Freq:0Hz Lamp Flux:1191.85x1 lm		
NAME: LED Strip	TYPE:Indoor lighting	WEIGHT:25g
SPEC.:5050 112LED	DIM.: 1000*10*1MM	SERIAL No.:20190430001
MFR.: EVERFINE	SUR.:1000*10mm	Shielding Angle:



LUMINANCE cd/(m2)		
G(DEG)	C0/180	C90/270
85	35278	37386
80	38561	42117
75	41439	45528
70	42876	46857
65	43010	46707
60	42165	45582
55	40979	43952
50	39848	42208
45	38833	40632

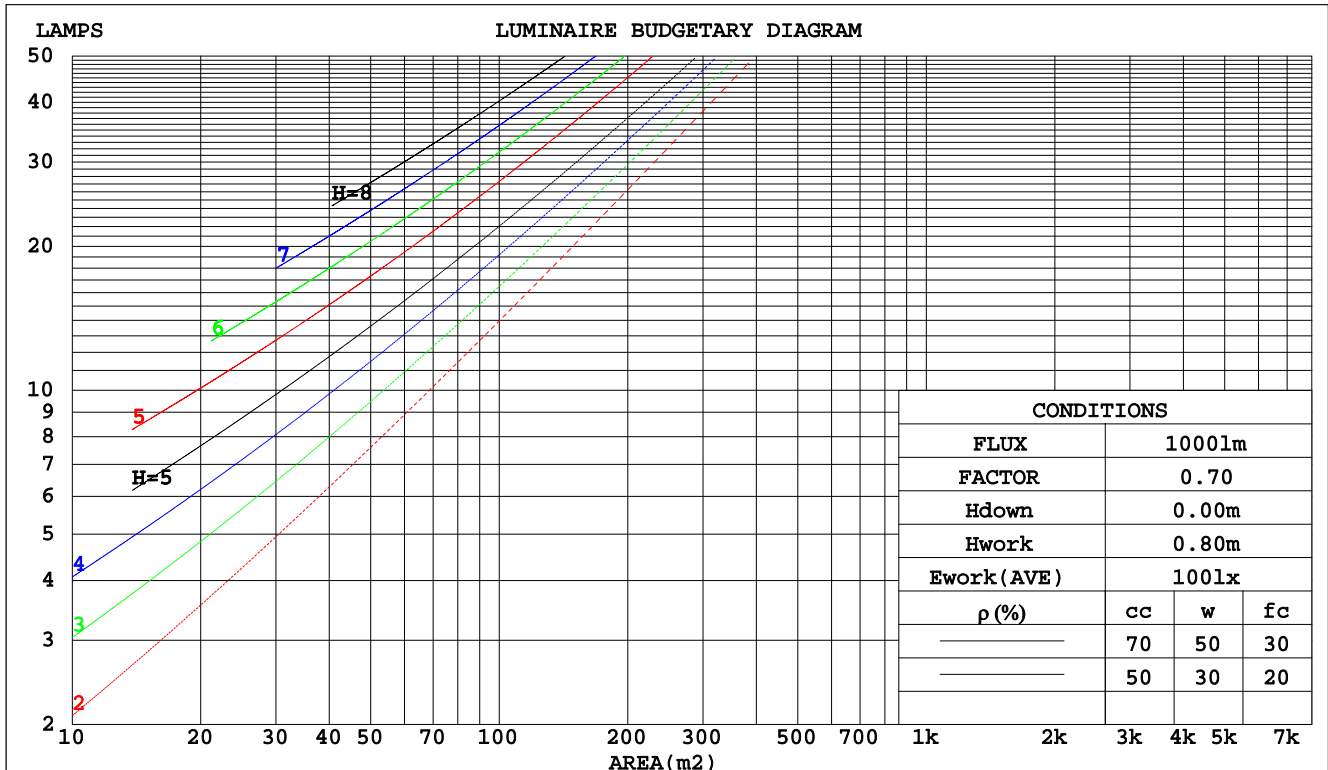
C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:2019-07-29

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.362
Humidity:65.0%
Test Distance:4.717m [K=1.0000]
Remarks:

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:23.99V I:0.8325A P:19.97W PF:1.000 Freq:0Hz Lamp Flux:1191.85x1 lm		
NAME: LED Strip	TYPE:Indoor lighting	WEIGHT:25g
SPEC.:5050 112LED	DIM.: 1000*10*1MM	SERIAL No.:20190430001
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	1.02	.98	.94	.90	.96	.92	.95	.92	.89	.91	.88	.86	.87	.85	.83	.81
2.0	.88	.81	.75	.86	.79	.74	.82	.77	.72	.79	.74	.70	.76	.72	.68	.66
3.0	.77	.68	.61	.75	.67	.60	.72	.65	.59	.69	.63	.58	.66	.61	.57	.54
4.0	.67	.58	.51	.66	.57	.51	.63	.56	.50	.61	.54	.49	.58	.53	.48	.46
5.0	.60	.50	.43	.59	.50	.43	.56	.49	.43	.54	.47	.42	.52	.46	.41	.39
6.0	.54	.44	.38	.53	.44	.37	.51	.43	.37	.49	.42	.36	.47	.41	.36	.34
7.0	.48	.39	.33	.48	.39	.33	.46	.38	.32	.44	.37	.32	.43	.36	.32	.30
8.0	.44	.35	.29	.43	.35	.29	.42	.34	.29	.40	.33	.28	.39	.33	.28	.26
9.0	.40	.32	.26	.40	.31	.26	.38	.31	.26	.37	.30	.25	.36	.30	.25	.23
10.0	.37	.29	.23	.36	.29	.23	.35	.28	.23	.34	.28	.23	.33	.27	.23	.21



C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators: DAMIN
 Test Date: 2019-07-29

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-2000B_V1 SYSTEM V2.0.362
 Humidity: 65.0%
 Test Distance: 4.717m [K=1.0000]
 Remarks:

WEC AND CCEC

Test:U:23.99V I:0.8325A P:19.97W PF:1.000 Freq:0Hz Lamp Flux:1191.85x1 lm		
NAME: LED Strip	TYPE:Indoor lighting	WEIGHT:25g
SPEC.:5050 112LED	DIM.: 1000*10*1MM	SERIAL No.:20190430001
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	.332	.189	.060	.325	.185	.059	.311	.178	.057	.298	.172	.055	.286	.166	.053		
2.0	.310	.170	.052	.303	.167	.051	.291	.162	.050	.279	.157	.049	.268	.152	.048		
3.0	.285	.152	.045	.279	.149	.045	.268	.145	.044	.257	.141	.043	.248	.137	.042		
4.0	.261	.136	.040	.256	.134	.040	.246	.130	.039	.237	.127	.038	.228	.124	.038		
5.0	.240	.122	.035	.235	.121	.035	.227	.118	.035	.218	.115	.034	.211	.113	.034		
6.0	.222	.111	.032	.218	.110	.032	.210	.107	.031	.202	.105	.031	.195	.103	.031		
7.0	.206	.102	.029	.202	.101	.029	.195	.098	.028	.188	.096	.028	.182	.094	.028		
8.0	.191	.094	.026	.188	.093	.026	.182	.091	.026	.176	.089	.026	.170	.087	.025		
9.0	.179	.087	.024	.176	.086	.024	.170	.084	.024	.165	.083	.024	.160	.081	.023		
10.0	.168	.080	.022	.165	.080	.022	.160	.078	.022	.155	.077	.022	.150	.076	.022		

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	.192	.166	.143	.164	.143	.123	.112	.098	.085	.065	.057	.049	.021	.018	.016	
2.0	.185	.142	.106	.158	.122	.092	.109	.085	.064	.063	.049	.037	.020	.016	.012	
3.0	.178	.125	.083	.152	.108	.072	.105	.075	.050	.060	.044	.030	.019	.014	.010	
4.0	.170	.112	.067	.146	.096	.058	.100	.067	.041	.058	.039	.024	.019	.013	.008	
5.0	.163	.101	.056	.140	.088	.049	.096	.061	.034	.056	.036	.020	.018	.012	.007	
6.0	.155	.093	.048	.134	.081	.042	.092	.056	.030	.053	.033	.018	.017	.011	.006	
7.0	.148	.086	.043	.128	.075	.037	.088	.052	.026	.051	.031	.016	.017	.010	.005	
8.0	.142	.081	.038	.122	.070	.034	.084	.049	.024	.049	.029	.014	.016	.009	.005	
9.0	.136	.076	.035	.117	.066	.031	.081	.046	.022	.047	.027	.013	.015	.009	.004	
10.0	.130	.071	.033	.112	.062	.028	.078	.044	.020	.045	.026	.012	.015	.008	.004	

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:2019-07-29

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.362
Humidity:65.0%
Test Distance:4.717m [K=1.0000]
Remarks:

UGR(Unified Glare Rating) Table

Test:U:23.99V I:0.8325A P:19.97W PF:1.000 Freq:0Hz Lamp Flux:1191.85x1 lm										
NAME: LED Strip					TYPE:Indoor lighting			WEIGHT:25g		
SPEC.:5050 112LED					DIM.: 1000*10*1MM			SERIAL No.:20190430001		
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	25.8	27.3	26.0	27.6	27.8	26.1	27.7	26.4	27.9	28.1
3H	27.7	29.1	28.0	29.4	29.6	28.1	29.6	28.4	29.8	30.1
4H	28.4	29.8	28.8	30.1	30.4	28.9	30.3	29.3	30.6	30.9
6H	29.0	30.3	29.4	30.6	30.9	29.5	30.8	29.9	31.1	31.4
8H	29.2	30.4	29.5	30.8	31.1	29.7	31.0	30.1	31.3	31.6
12H	29.3	30.5	29.7	30.8	31.2	29.8	31.1	30.2	31.4	31.7
4H 2H	26.6	28.0	27.0	28.3	28.6	26.9	28.3	27.2	28.5	28.8
3H	28.7	29.9	29.1	30.2	30.6	29.1	30.3	29.4	30.6	30.9
4H	29.6	30.7	30.0	31.1	31.4	30.0	31.1	30.4	31.5	31.8
6H	30.3	31.3	30.7	31.7	32.1	30.8	31.8	31.2	32.1	32.5
8H	30.5	31.5	31.0	31.9	32.3	31.0	31.9	31.5	32.3	32.8
12H	30.7	31.6	31.2	32.0	32.4	31.2	32.0	31.6	32.5	32.9
8H 4H	30.0	30.9	30.4	31.3	31.7	30.4	31.3	30.8	31.7	32.1
6H	30.9	31.7	31.4	32.1	32.5	31.3	32.1	31.8	32.5	33.0
8H	31.2	31.9	31.7	32.4	32.9	31.7	32.3	32.1	32.8	33.3
12H	31.5	32.1	32.0	32.6	33.1	31.9	32.5	32.4	33.0	33.5
12H 4H	30.0	30.9	30.5	31.3	31.7	30.4	31.2	30.8	31.7	32.1
6H	31.0	31.7	31.5	32.1	32.6	31.4	32.1	31.9	32.5	33.0
8H	31.4	32.0	31.9	32.5	33.0	31.8	32.4	32.3	32.9	33.4
Variations with the observer position at spacings:										
S = 1.0H	+ 0.1 / - 0.2					+ 0.1 / - 0.1				
1.5H	+ 0.2 / - 0.3					+ 0.2 / - 0.3				
2.0H	+ 0.2 / - 0.5					+ 0.2 / - 0.5				

CIE Pub.117, 1192 lm Total Lamp Luminous Flux Correct ($8\log(F/F_0) = 0.6$)

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:2019-07-29

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.362
Humidity:65.0%
Test Distance:4.717m [K=1.0000]
Remarks:

UTILIZATION FACTORS TABLE

Test:U:23.99V I:0.8325A P:19.97W PF:1.000 Freq:0Hz Lamp Flux:1191.85x1 lm		
NAME: LED Strip	TYPE:Indoor lighting	WEIGHT:25g
SPEC.:5050 112LED	DIM.: 1000*10*1MM	SERIAL No.:20190430001
MFR.: EVERFINE	SUR.:1000*10mm	Shielding Angle:

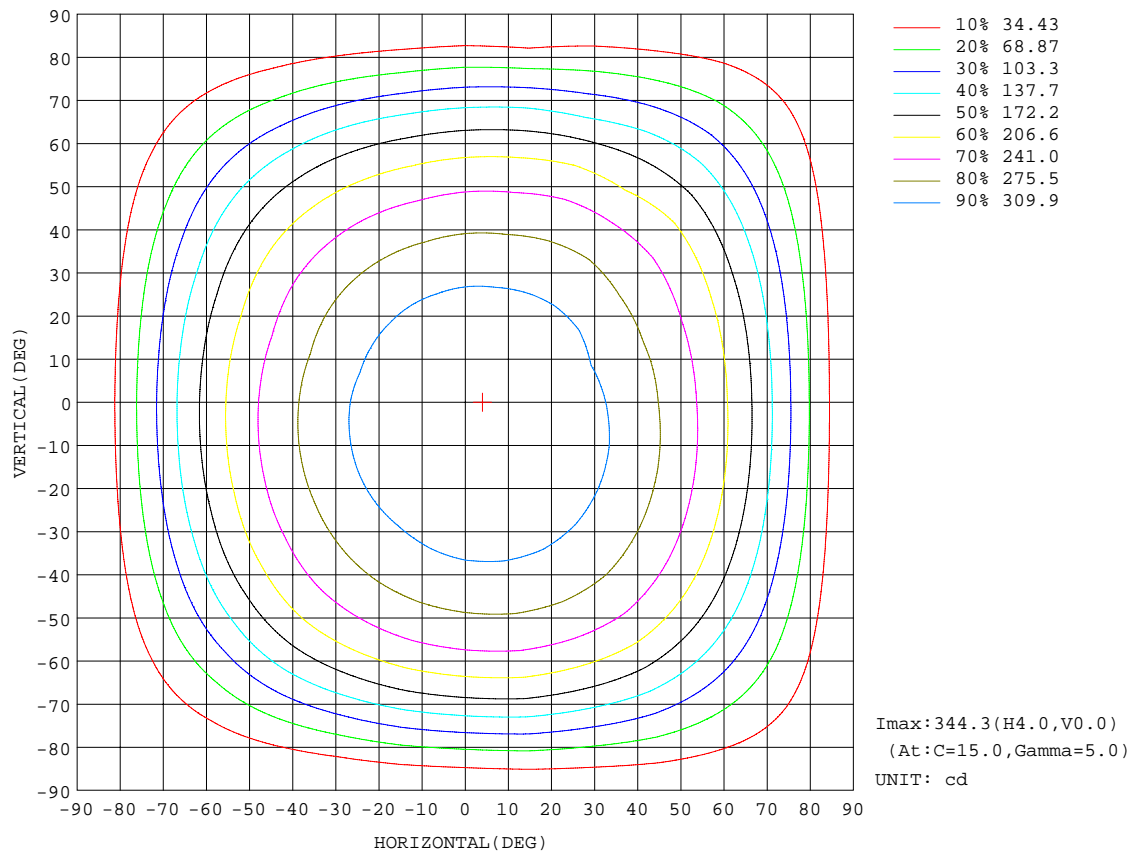
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) $k(RI) \times RCR = 5$									
k = 0.60	54	42	35	53	42	35	52	41	34	28
0.80	64	52	44	63	51	44	61	51	43	36
1.00	73	61	53	71	60	53	69	62	52	45
1.25	80	69	61	78	68	61	75	66	60	52
1.50	85	75	67	83	74	66	80	72	65	57
2.00	92	83	76	90	82	75	87	80	74	65
2.50	97	88	82	95	87	81	90	84	79	70
3.00	100	93	87	98	91	86	94	88	83	74
4.00	105	99	93	102	97	92	98	93	89	80
5.00	107	102	98	105	100	96	100	96	93	83
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:2019-07-29

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.362
Humidity:65.0%
Test Distance:4.717m [K=1.0000]
Remarks:

ISOCANDELA DIAGRAM

Test:U:23.99V I:0.8325A P:19.97W PF:1.000 Freq:0Hz Lamp Flux:1191.85x1 lm		
NAME: LED Strip	TYPE:Indoor lighting	WEIGHT:25g
SPEC.:5050 112LED	DIM.: 1000*10*1MM	SERIAL No.:20190430001
MFR.: EVERFINE	SUR.:1000*10mm	Shielding Angle:



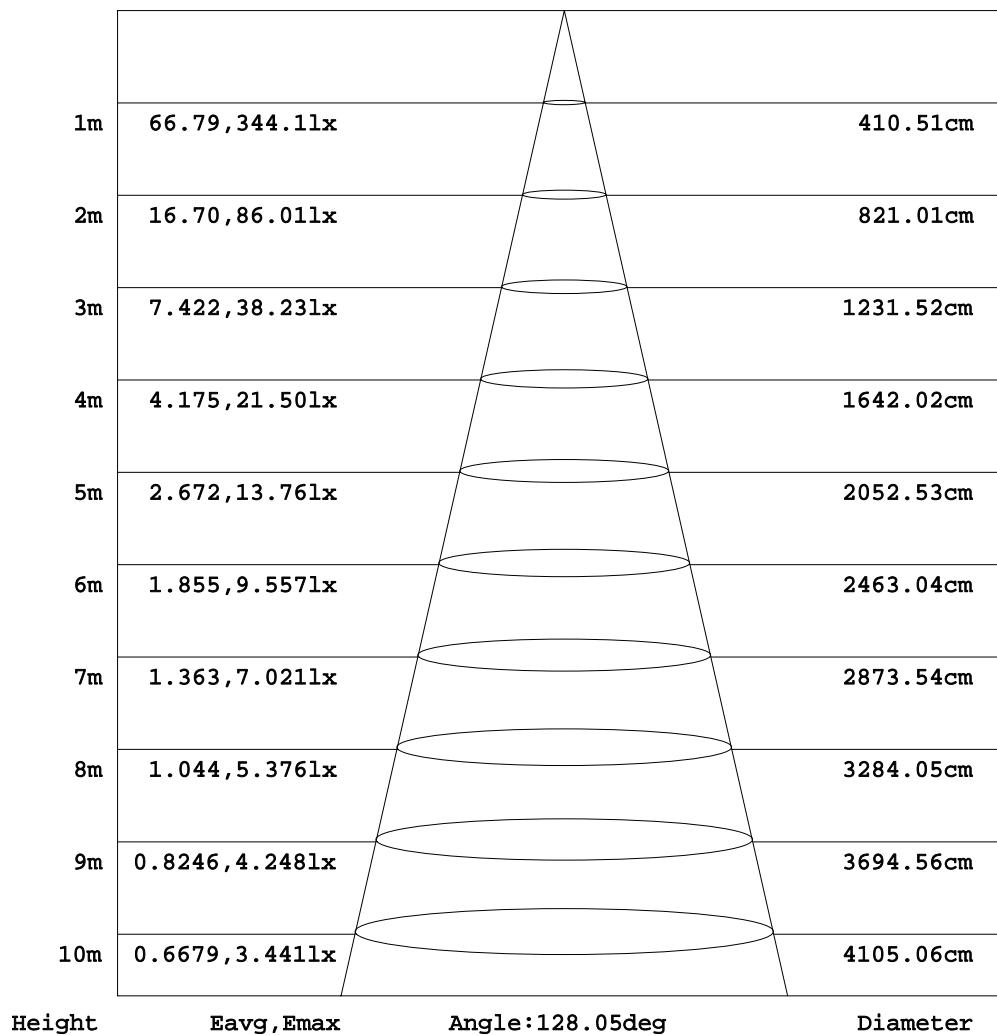
C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:2019-07-29

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.362
Humidity:65.0%
Test Distance:4.717m [K=1.0000]
Remarks:

AAI Figure

Test:U:23.99V I:0.8325A P:19.97W PF:1.000 Freq:0Hz Lamp Flux:1191.85x1 lm		
NAME: LED Strip	TYPE:Indoor lighting	WEIGHT:25g
SPEC.:5050 112LED	DIM.: 1000*10*1MM	SERIAL No.:20190430001
MFR.: EVERFINE	SUR.:1000*10mm	Shielding Angle:

Flux out:965.0 lm



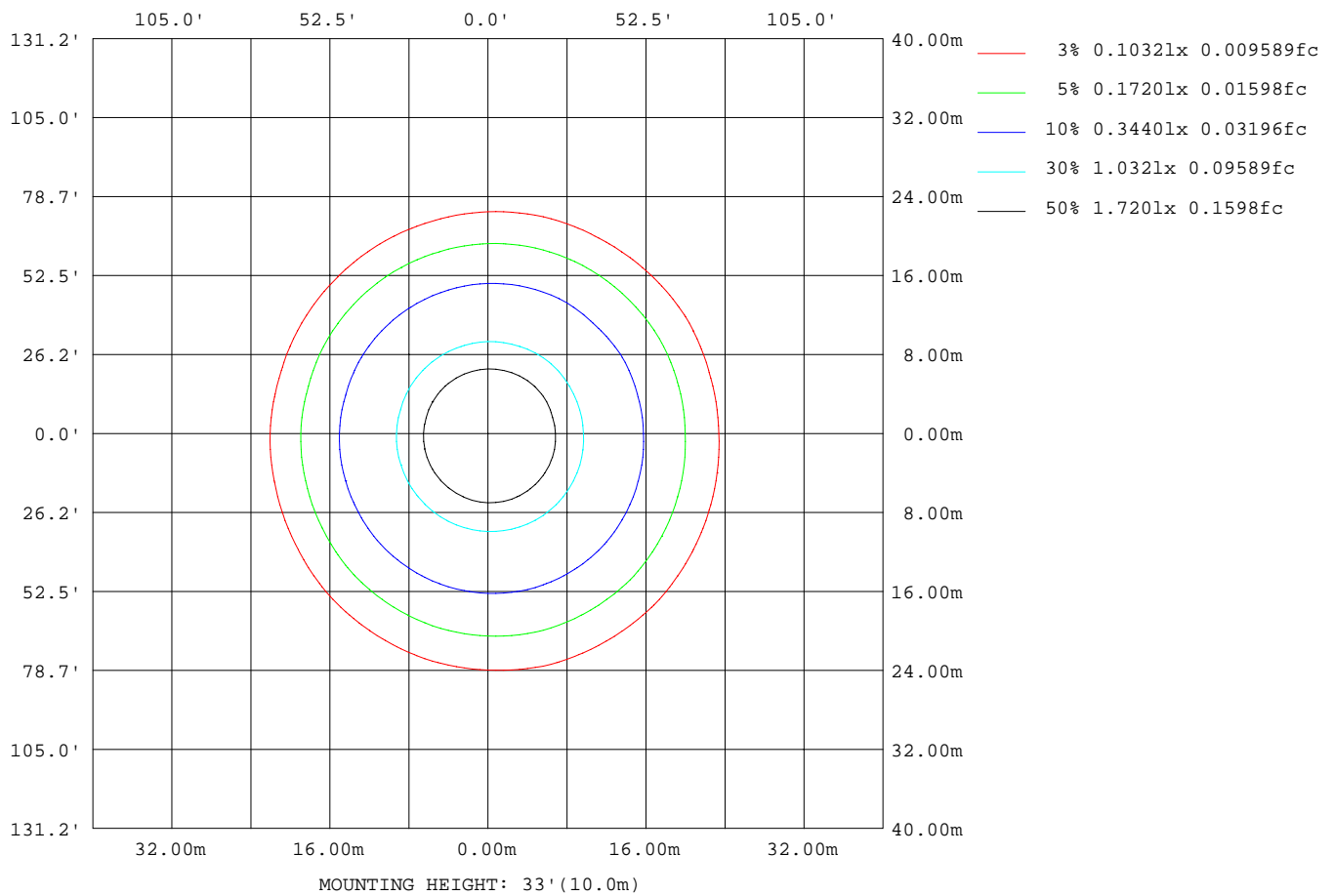
Note: The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators: DAMIN
 Test Date: 2019-07-29

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-2000B_V1 SYSTEM V2.0.362
 Humidity: 65.0%
 Test Distance: 4.717m [K=1.0000]
 Remarks:

ISOLUX DIAGRAM

Test:U:23.99V I:0.8325A P:19.97W PF:1.000 Freq:0Hz Lamp Flux:1191.85x1 lm		
NAME: LED Strip	TYPE:Indoor lighting	WEIGHT:25g
SPEC.:5050 112LED	DIM.: 1000*10*1MM	SERIAL No.:20190430001
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:2019-07-29

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.362
Humidity:65.0%
Test Distance:4.717m [K=1.0000]
Remarks:

LED Avg.L Report

Test:U:23.99V I:0.8325A P:19.97W PF:1.000 Freq:0Hz Lamp Flux:1191.85x1 lm		
NAME: LED Strip	TYPE:Indoor lighting	WEIGHT:25g
SPEC.:5050 112LED	DIM.: 1000*10*1MM	SERIAL No.:20190430001
MFR.: EVERFINE	SUR.:1000*10mm	Shielding Angle:

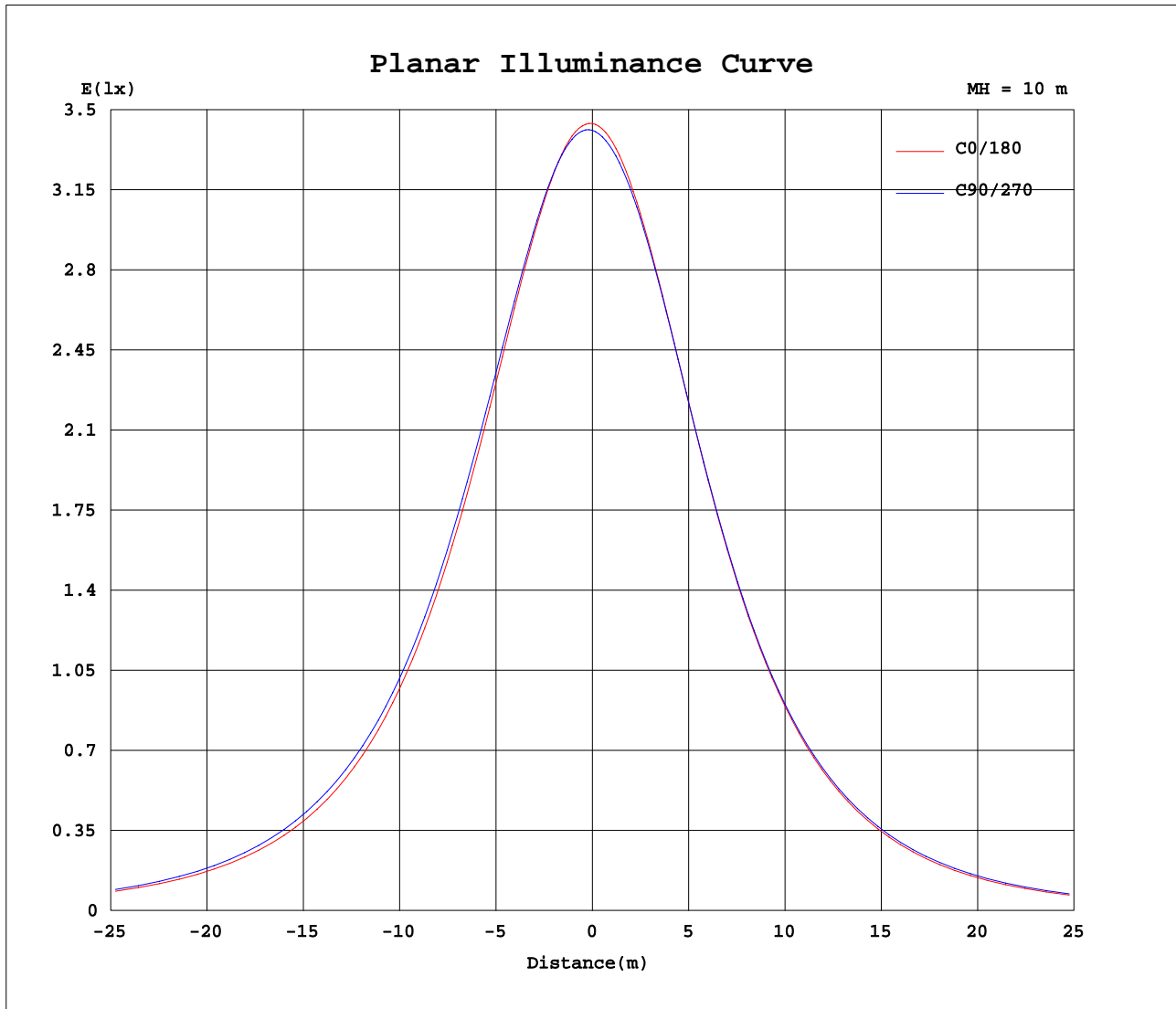
AvgL	cd/m2
L_0~180(65)av	39277
L_0~180(75)av	35722
L_0~180(85)av	25752
L_90~270(65)av	42253
L_90~270(75)av	39929
L_90~270(85)av	31216
L_45(65)av	41170
L_45(75)av	37977
L_45(85)av	28444

Standard: GB/T 29293-2012

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:DAMIN
 Test Date:2019-07-29

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.362
 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: 2019-07-29

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System: EVERFINE GO-2000B_V1 SYSTEM V2.0.362
Humidity: 65.0%
Test Distance: 4.717m [K=1.0000]
Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:23.99V I:0.8325A P:19.97W PF:1.000 Freq:0Hz Lamp Flux:1191.85x1 lm		
NAME: LED Strip	TYPE:Indoor lighting	WEIGHT:25g
SPEC.:5050 112LED	DIM.: 1000*10*1MM	SERIAL No.:20190430001
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	344	343	343	342	341	341	341	341	342	343	343	344	344	343	343	342	341	341	341
5	344	344	344	344	343	343	343	342	342	342	342	342	342	341	340	339	338	338	338
10	343	343	344	344	343	343	343	341	340	340	339	339	338	336	335	334	334	334	335
15	339	340	341	342	342	342	340	339	337	337	335	333	332	330	329	328	328	329	330
20	333	336	337	338	338	338	336	334	332	330	328	326	324	321	320	320	321	322	323
25	325	329	331	332	333	332	331	327	324	322	319	316	314	311	310	310	311	312	314
30	316	320	323	325	325	325	323	319	315	312	308	305	301	298	298	298	299	300	302
35	304	309	313	315	316	316	314	309	304	299	295	291	287	283	284	284	284	285	288
40	290	297	301	304	306	305	301	297	291	285	279	275	271	267	267	267	268	269	273
45	275	281	286	291	292	291	287	283	276	269	262	257	253	248	249	249	250	251	255
50	256	263	269	275	277	275	271	266	259	251	243	237	232	228	229	229	230	232	236
55	235	242	250	256	258	257	252	246	238	230	220	213	209	205	206	206	208	210	215
60	211	218	226	233	234	233	228	221	213	204	193	186	182	178	179	180	182	185	190
65	182	188	196	202	203	204	197	191	181	172	161	154	150	146	147	149	151	154	160
70	147	153	159	166	166	167	160	153	143	134	124	117	115	111	112	113	117	120	126
75	107	113	118	124	124	125	118	111	101	93.3	84.0	79.5	77.7	74.4	75.1	75.8	79.5	82.9	88.9
80	67.0	71.9	75.4	79.3	78.7	79.3	73.1	67.7	59.0	52.7	46.2	43.1	42.3	39.9	40.3	41.1	44.2	47.4	51.9
85	30.7	33.8	35.7	37.9	36.9	36.7	32.6	28.9	22.7	19.3	15.4	14.2	14.1	13.1	13.9	14.6	17.0	19.1	21.8
90	5.36	6.40	6.46	7.17	6.15	5.81	3.74	3.62	2.46	1.98	1.69	1.55	1.30	1.28	1.38	1.55	1.96	2.51	2.97
95	1.20	1.25	1.30	1.39	1.51	1.62	1.81	1.74	1.55	1.50	1.52	1.50	1.30	1.31	1.38	1.46	1.55	1.69	1.72
100	1.25	1.29	1.27	1.33	1.34	1.42	1.51	1.46	1.51	1.57	1.64	1.66	1.48	1.50	1.56	1.62	1.66	1.70	1.69
105	1.44	1.46	1.42	1.46	1.49	1.56	1.61	1.62	1.67	1.78	1.85	1.87	1.72	1.75	1.80	1.86	1.90	1.91	1.90
110	1.67	1.67	1.65	1.68	1.73	1.79	1.84	1.85	1.85	1.99	2.07	2.09	1.94	1.98	2.04	2.10	2.14	2.15	2.15
115	1.89	1.89	1.86	1.90	1.94	2.01	2.07	2.08	2.08	2.17	2.29	2.30	2.17	2.21	2.27	2.33	2.37	2.38	2.38
120	2.11	2.11	2.08	2.11	2.15	2.22	2.28	2.31	2.30	2.29	2.49	2.51	2.38	2.43	2.49	2.54	2.59	2.60	2.59
125	2.32	2.32	2.30	2.33	2.37	2.43	2.50	2.53	2.52	2.52	2.68	2.72	2.60	2.65	2.71	2.76	2.80	2.81	2.80
130	2.55	2.55	2.53	2.55	2.59	2.66	2.72	2.75	2.76	2.75	2.85	2.93	2.82	2.86	2.92	2.98	3.02	3.03	3.02
135	2.78	2.79	2.76	2.78	2.82	2.89	2.94	2.98	2.99	2.98	2.98	3.14	3.03	3.07	3.14	3.19	3.23	3.25	3.23
140	3.01	3.02	2.99	3.01	3.04	3.10	3.15	3.20	3.21	3.21	3.20	3.31	3.24	3.28	3.34	3.38	3.43	3.45	3.43
145	3.22	3.24	3.21	3.23	3.25	3.31	3.38	3.41	3.41	3.42	3.41	3.42	3.44	3.47	3.52	3.56	3.61	3.62	3.61
150	3.44	3.46	3.42	3.43	3.45	3.51	3.56	3.59	3.60	3.62	3.61	3.61	3.62	3.64	3.69	3.72	3.76	3.78	3.77
155	3.64	3.65	3.62	3.62	3.64	3.69	3.72	3.76	3.78	3.80	3.79	3.80	3.80	3.80	3.84	3.86	3.90	3.91	3.91
160	3.84	3.82	3.79	3.80	3.81	3.84	3.87	3.91	3.93	3.96	3.97	3.98	3.96	3.94	3.97	3.99	4.03	4.03	4.03
165	4.02	3.99	3.96	3.95	3.96	4.00	4.02	4.05	4.07	4.11	4.14	4.15	4.11	4.08	4.09	4.11	4.13	4.14	4.14
170	4.16	4.14	4.10	4.10	4.10	4.13	4.14	4.18	4.20	4.24	4.29	4.31	4.23	4.19	4.20	4.20	4.23	4.22	4.23
175	4.28	4.26	4.21	4.22	4.22	4.24	4.25	4.28	4.30	4.34	4.39	4.43	4.32	4.28	4.28	4.27	4.29	4.29	4.30
180	4.36	4.34	4.30	4.31	4.30	4.31	4.32	4.33	4.36	4.38	4.45	4.50	4.36	4.33	4.31	4.31	4.31	4.32	4.32

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:2019-07-29

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.362
Humidity:65.0%
Test Distance:4.717m [K=1.0000]
Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:23.99V I:0.8325A P:19.97W PF:1.000 Freq:0Hz Lamp Flux:1191.85x1 lm		
NAME: LED Strip	TYPE:Indoor lighting	WEIGHT:25g
SPEC.:5050 112LED	DIM.: 1000*10*1MM	SERIAL No.:20190430001
MFR.: EVERFINE	SUR.:1000*10mm	Shielding Angle:

Table--2

UNIT: cd

C(DEC) γ (DEC)	285	300	315	330	345														
0	341	342	343	343	344														
5	338	340	341	342	343														
10	335	337	339	340	341														
15	331	332	334	336	337														
20	324	326	329	330	331														
25	315	318	320	322	323														
30	304	307	310	312	311														
35	290	295	298	300	300														
40	275	280	284	283	287														
45	258	264	268	268	271														
50	239	246	248	251	252														
55	219	225	224	231	231														
60	194	199	200	208	208														
65	164	167	173	178	178														
70	130	129	138	144	145														
75	91.2	94.7	100	105	106														
80	51.1	58.1	61.8	65.5	66.3														
85	22.5	26.0	27.4	30.1	30.9														
90	3.69	4.94	5.67	6.22	6.07														
95	1.60	1.45	1.37	1.36	1.32														
100	1.61	1.53	1.45	1.43	1.40														
105	1.82	1.74	1.66	1.62	1.57														
110	2.06	1.97	1.89	1.85	1.85														
115	2.29	2.20	2.13	2.09	2.08														
120	2.50	2.41	2.34	2.31	2.31														
125	2.71	2.62	2.56	2.54	2.53														
130	2.93	2.84	2.79	2.77	2.76														
135	3.15	3.07	3.02	3.00	3.01														
140	3.36	3.28	3.24	3.23	3.25														
145	3.54	3.48	3.45	3.45	3.48														
150	3.71	3.66	3.65	3.66	3.70														
155	3.86	3.82	3.82	3.85	3.88														
160	4.00	3.97	3.98	4.02	4.06														
165	4.12	4.11	4.11	4.17	4.21														
170	4.22	4.22	4.23	4.30	4.35														
175	4.29	4.31	4.33	4.39	4.45														
180	4.34	4.35	4.39	4.43	4.50														

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:2019-07-29

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.362
Humidity:65.0%
Test Distance:4.717m [K=1.0000]
Remarks: