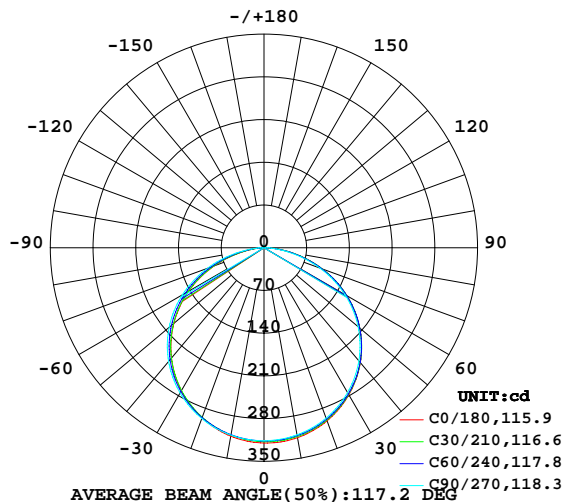


LUMINAIRE PHOTOMETRIC TEST REPORT

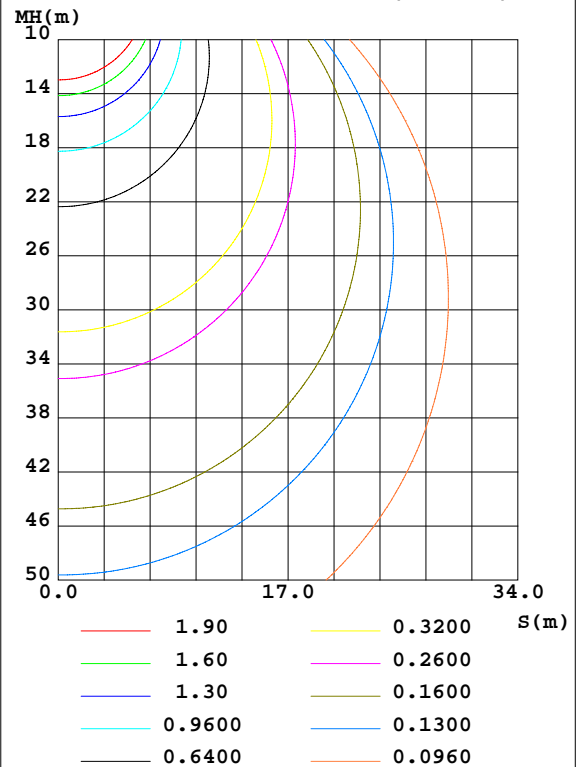
Test:U:24.01V I:0.4874A P:11.70W PF:1.000 Freq:0Hz Lamp Flux:965.91lx1 lm		
NAME: LED Strip	TYPE:Indoor lighting	WEIGHT:25g
SPEC.:3030 140LED	DIM.: 1000*10*1MM	SERIAL No.:20180831003
MFR.: EVERFINE	SUR.:1000*10mm	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 82.54 lm/W			
MODEL:102T31WS140B-24(WCP)-SU		Imax(cd)	320.0	S/MH(C0/180)	1.26
NOMINAL POWER(W)	11.70	LOR(%)	100.0	S/MH(C90/270)	1.29
RATED VOLTAGE(V)	DC 24	TOTAL FLUX(lm)	965.91	η UP,DN(C0-180)	0.7,49.4
NOMINAL FLUX(lm)	965.911	CIE CLASS	DIRECT	η UP,DN(C180-360)	0.7,49.3
LAMPS INSIDE	1	η up(%)	1.3	CIBSE SHR NOM	1.25
TEST VOLTAGE(V)	DC 24	η 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:2018-08-17

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:

ZONAL FLUX DIAGRAM

ZONAL FLUX DIAGRAM:

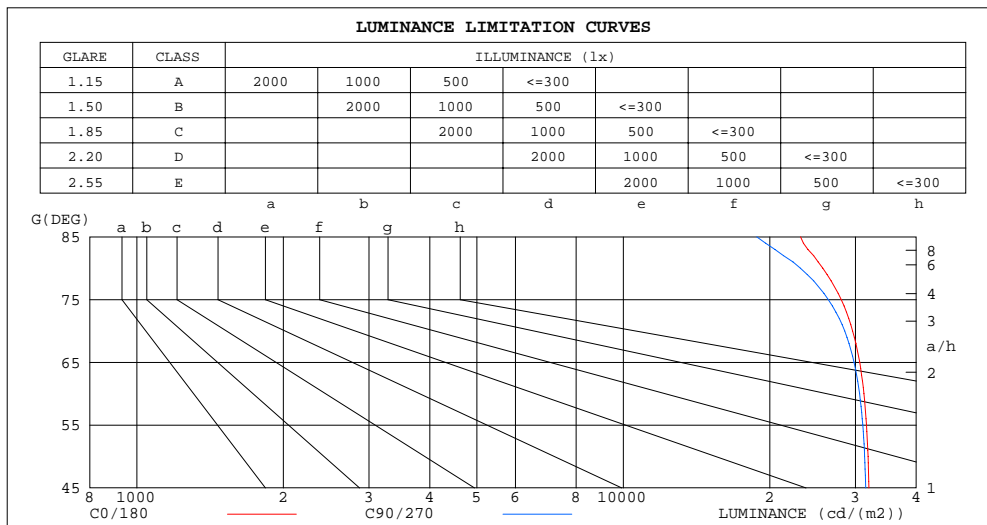
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	$\%lum, lamp$
10	316.0	313.7	311.4	312.2	313.5	311.3	311.7	314.7	0- 10	30.10	30.10	3.12,3.12
20	301.9	300.2	297.2	296.2	296.8	295.7	297.8	301.3	10- 20	86.60	116.7	12.1,12.1
30	278.2	277.3	273.9	271.0	270.8	270.8	274.9	278.2	20- 30	132.5	249.2	25.8,25.8
40	245.6	245.6	241.9	237.0	235.9	237.0	243.2	246.2	30- 40	162.0	411.2	42.6,42.6
50	204.7	205.5	201.4	194.8	192.9	195.0	202.9	205.9	40- 50	171.2	582.4	60.3,60.3
60	156.1	157.3	153.0	145.0	142.6	145.3	154.4	157.9	50- 60	157.9	740.4	76.6,76.6
70	101.3	102.4	97.51	88.41	86.53	89.17	98.96	102.6	60- 70	122.8	863.2	89.4,89.4
80	44.63	45.10	40.15	32.47	31.24	33.31	41.11	44.71	70- 80	70.76	933.9	96.7,96.7
90	4.060	4.543	1.967	1.517	1.354	1.497	1.935	4.174	80- 90	19.20	953.1	98.7,98.7
100	0.9580	1.033	1.154	1.105	1.087	1.115	1.153	1.034	90-100	1.398	954.5	98.8,98.8
110	1.322	1.400	1.535	1.499	1.470	1.514	1.541	1.407	100-110	1.331	955.8	99,99
120	1.724	1.799	1.946	1.908	1.875	1.923	1.949	1.805	110-120	1.647	957.5	99.1,99.1
130	2.138	2.212	2.358	2.328	2.281	2.335	2.354	2.210	120-130	1.852	959.3	99.3,99.3
140	2.565	2.636	2.758	2.738	2.686	2.735	2.754	2.624	130-140	1.919	961.3	99.5,99.5
150	2.970	3.024	3.122	3.108	3.067	3.096	3.117	3.017	140-150	1.805	963.1	99.7,99.7
160	3.360	3.372	3.433	3.428	3.424	3.413	3.435	3.362	150-160	1.495	964.6	99.9,99.9
170	3.679	3.650	3.683	3.690	3.711	3.671	3.689	3.644	160-170	1.001	965.6	100,100
180	3.855	3.813	3.821	3.817	3.855	3.811	3.821	3.814	170-180	0.3569	965.9	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:2018-08-17

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:

LUMINANCE LIMITATION CURVES

Test:U:24.01V I:0.4874A P:11.70W PF:1.000 Freq:0Hz Lamp Flux:965.91lx1 lm		
NAME: LED Strip	TYPE:Indoor lighting	WEIGHT:25g
SPEC.:3030 140LED	DIM.: 1000*10*1MM	SERIAL No.:20180831003
MFR.: EVERFINE	SUR.:1000*10mm	Shielding Angle:



LUMINANCE cd/(m2)		
G(DEG)	C0/180	C90/270
85	23134	18797
80	25701	23120
75	28055	26375
70	29606	28511
65	30614	29807
60	31225	30591
55	31611	31065
50	31843	31339
45	31978	31491

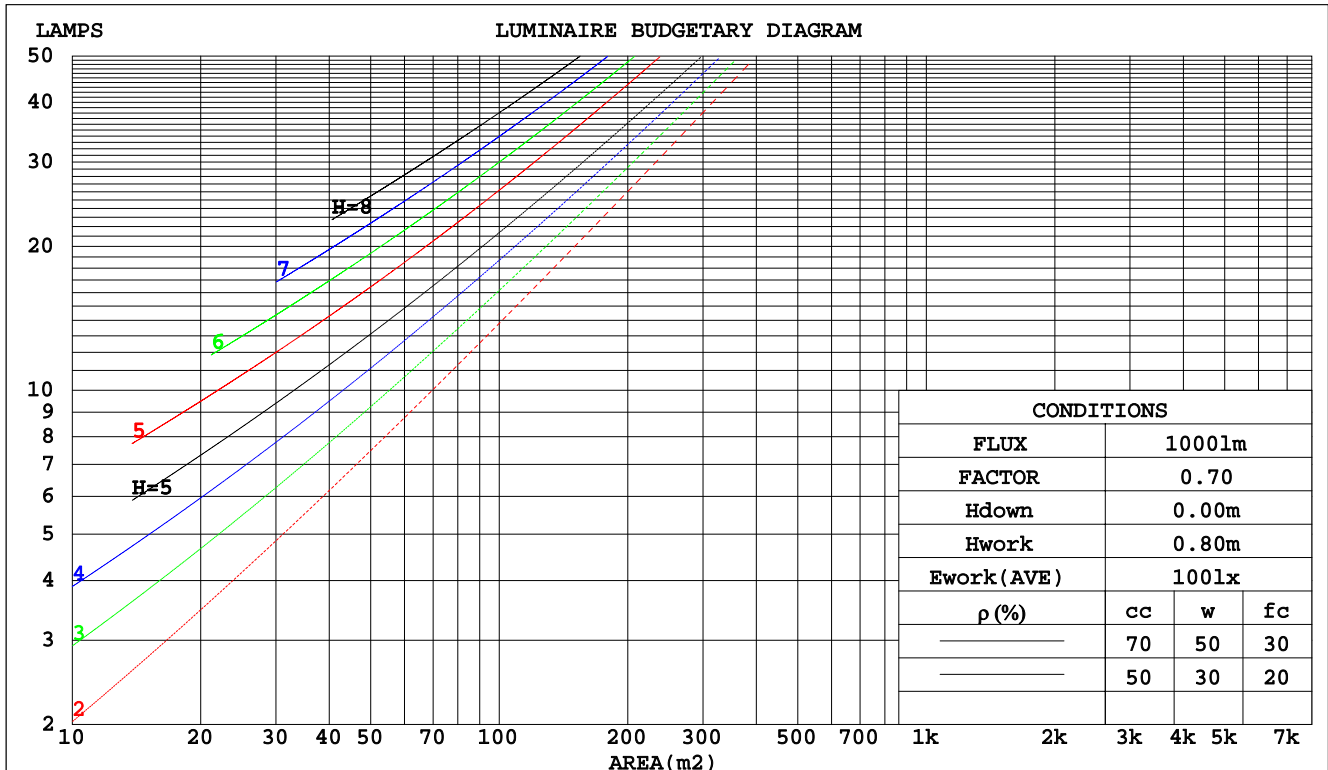
C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:2018-08-17

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:

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:24.01V I:0.4874A P:11.70W PF:1.000 Freq:0Hz Lamp Flux:965.91lx1 lm		
NAME: LED Strip	TYPE:Indoor lighting	WEIGHT:25g
SPEC.:3030 140LED	DIM.: 1000*10*1MM	SERIAL No.:20180831003
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	.51	.48
5.0	.62	.53	.46	.61	.52	.46	.58	.51	.45	.56	.50	.44	.54	.48	.44	.42
6.0	.56	.46	.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:2018-08-17

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:0.4874A P:11.70W PF:1.000 Freq:0Hz Lamp Flux:965.911x1 lm		
NAME: LED Strip	TYPE:Indoor lighting	WEIGHT:25g
SPEC.:3030 140LED	DIM.: 1000*10*1MM	SERIAL No.:20180831003
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	.315	.179	.057	.307	.175	.056	.293	.168	.054	.280	.162	.052	.269	.156	.050	
2.0	.296	.162	.050	.289	.159	.049	.277	.154	.048	.265	.149	.047	.255	.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	.215	.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	.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	.108	.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:2018-08-17

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:0.4874A P:11.70W PF:1.000 Freq:0Hz Lamp Flux:965.91lx1 lm											
NAME: LED Strip						TYPE:Indoor lighting		WEIGHT:25g			
SPEC.:3030 140LED						DIM.: 1000*10*1MM		SERIAL No.:20180831003			
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	25.1	26.6	25.4	26.9	27.1	25.1	26.6	25.4	26.8	27.1	
	3H	26.8	28.2	27.1	28.4	28.7	26.7	28.1	27.0	28.4	28.6
	4H	27.4	28.8	27.8	29.1	29.3	27.3	28.7	27.7	28.9	29.2
	6H	27.9	29.2	28.3	29.5	29.8	27.8	29.0	28.1	29.3	29.6
	8H	28.1	29.3	28.5	29.6	29.9	27.9	29.1	28.3	29.4	29.7
	12H	28.2	29.4	28.6	29.7	30.0	28.0	29.1	28.3	29.4	29.8
4H	2H	25.8	27.1	26.1	27.4	27.7	25.7	27.1	26.1	27.4	27.6
	3H	27.6	28.8	28.0	29.1	29.4	27.5	28.7	27.9	29.0	29.4
	4H	28.4	29.5	28.8	29.8	30.2	28.3	29.4	28.7	29.7	30.1
	6H	29.0	30.0	29.5	30.4	30.8	28.9	29.8	29.3	30.2	30.6
	8H	29.3	30.1	29.7	30.5	31.0	29.1	29.9	29.5	30.3	30.8
	12H	29.4	30.2	29.9	30.6	31.1	29.2	30.0	29.6	30.4	30.8
8H	4H	28.7	29.6	29.1	30.0	30.4	28.6	29.5	29.1	29.9	30.3
	6H	29.5	30.2	30.0	30.7	31.1	29.3	30.1	29.8	30.5	31.0
	8H	29.8	30.5	30.3	30.9	31.4	29.6	30.3	30.1	30.7	31.2
	12H	30.1	30.6	30.6	31.1	31.6	29.8	30.4	30.3	30.8	31.3
12H	4H	28.7	29.5	29.2	29.9	30.4	28.6	29.4	29.1	29.9	30.3
	6H	29.6	30.2	30.0	30.7	31.1	29.4	30.1	29.9	30.5	31.0
	8H	29.9	30.5	30.4	30.9	31.5	29.7	30.3	30.2	30.8	31.3
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, 965.9 lm Total Lamp Luminous Flux Correct (8log(F/F0) = -0.1)

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:2018-08-17

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:

UTILIZATION FACTORS TABLE

Test:U:24.01V I:0.4874A P:11.70W PF:1.000 Freq:0Hz Lamp Flux:965.91lx1 lm		
NAME: LED Strip	TYPE:Indoor lighting	WEIGHT:25g
SPEC.:3030 140LED	DIM.: 1000*10*1MM	SERIAL No.:20180831003
MFR.: EVERFINE	SUR.:1000*10mm	Shielding Angle:

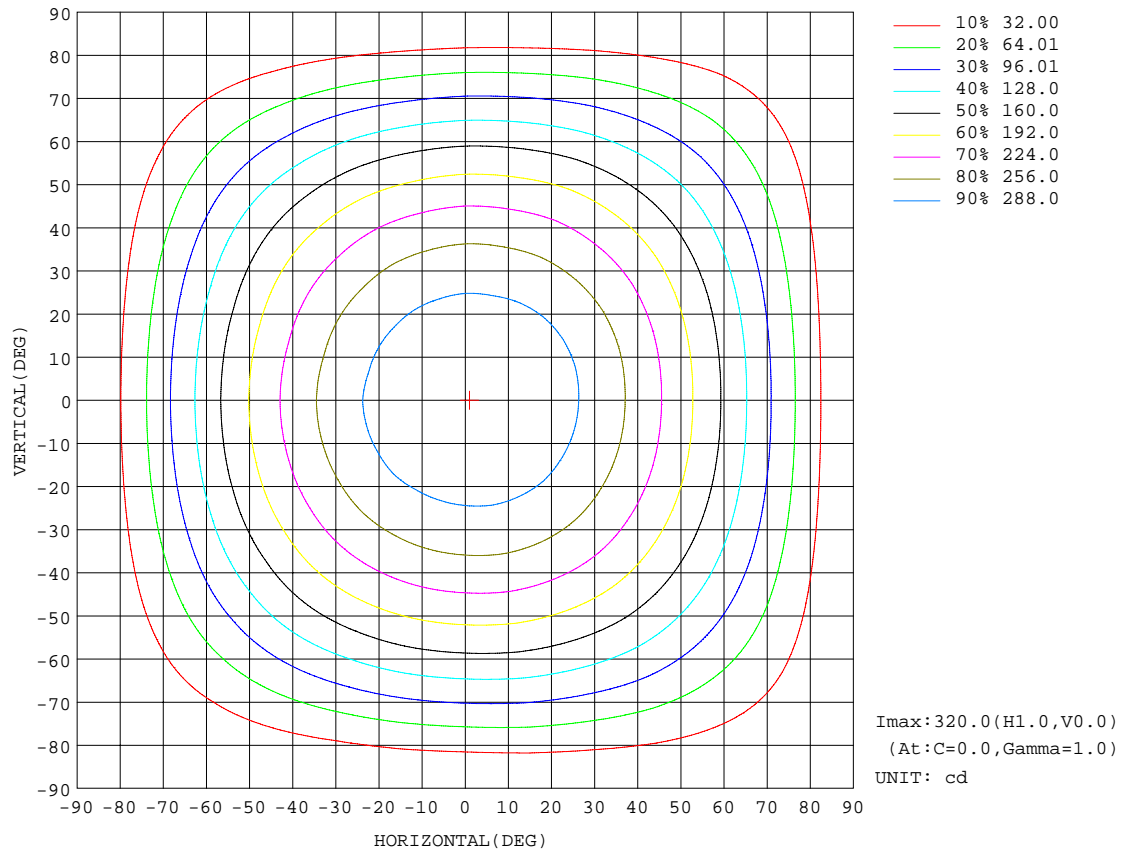
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	56	45	37	56	44	37	54	44	37	31
0.80	66	55	47	65	54	47	63	53	46	39
1.00	75	63	56	74	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					SHRNOM = 1.25		

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:2018-08-17

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:

ISOCANDELA DIAGRAM

Test:U:24.01V I:0.4874A P:11.70W PF:1.000 Freq:0Hz Lamp Flux:965.91lx1 lm		
NAME: LED Strip	TYPE:Indoor lighting	WEIGHT:25g
SPEC.:3030 140LED	DIM.: 1000*10*1MM	SERIAL No.:20180831003
MFR.: EVERFINE	SUR.:1000*10mm	Shielding Angle:



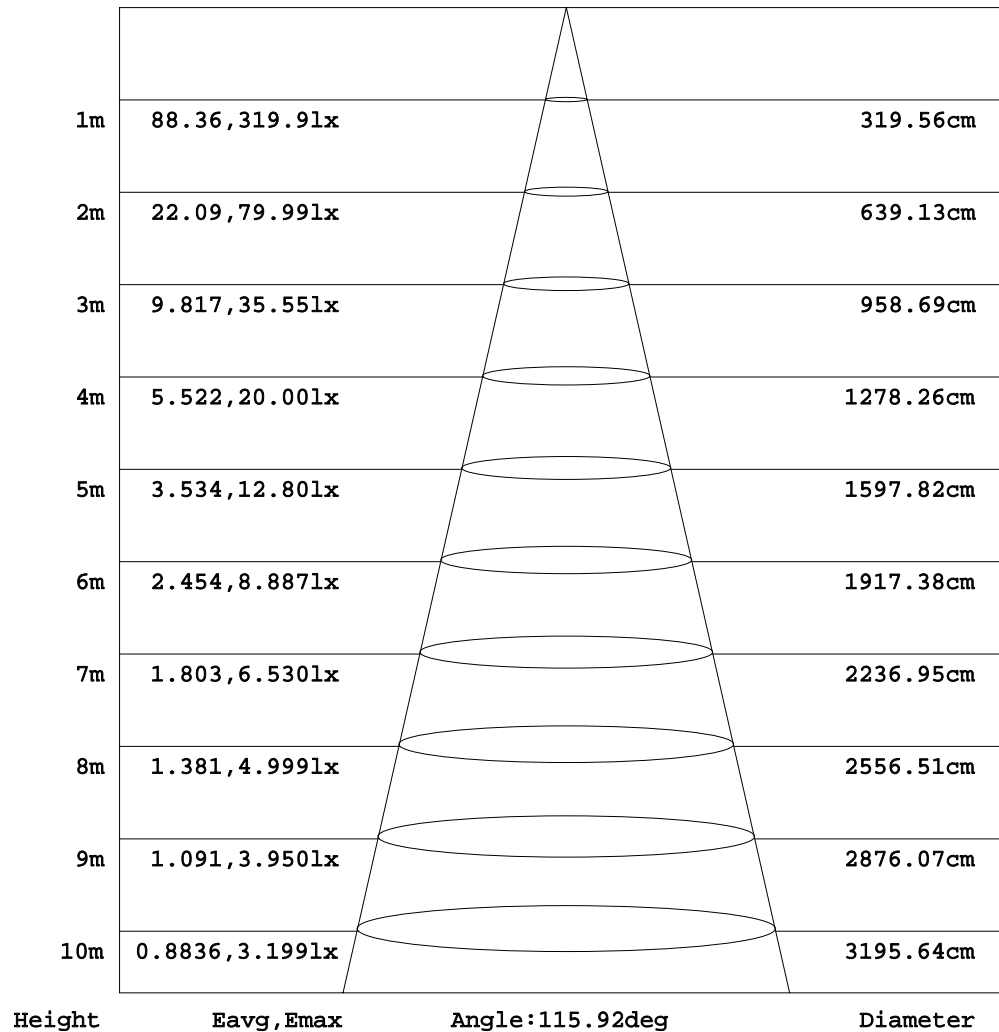
C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:2018-08-17

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:

AAI Figure

Test:U:24.01V I:0.4874A P:11.70W PF:1.000 Freq:0Hz Lamp Flux:965.91lx1 lm		
NAME: LED Strip	TYPE:Indoor lighting	WEIGHT:25g
SPEC.:3030 140LED	DIM.: 1000*10*1MM	SERIAL No.:20180831003
MFR.: EVERFINE	SUR.:1000*10mm	Shielding Angle:

Flux out:710.9 lm



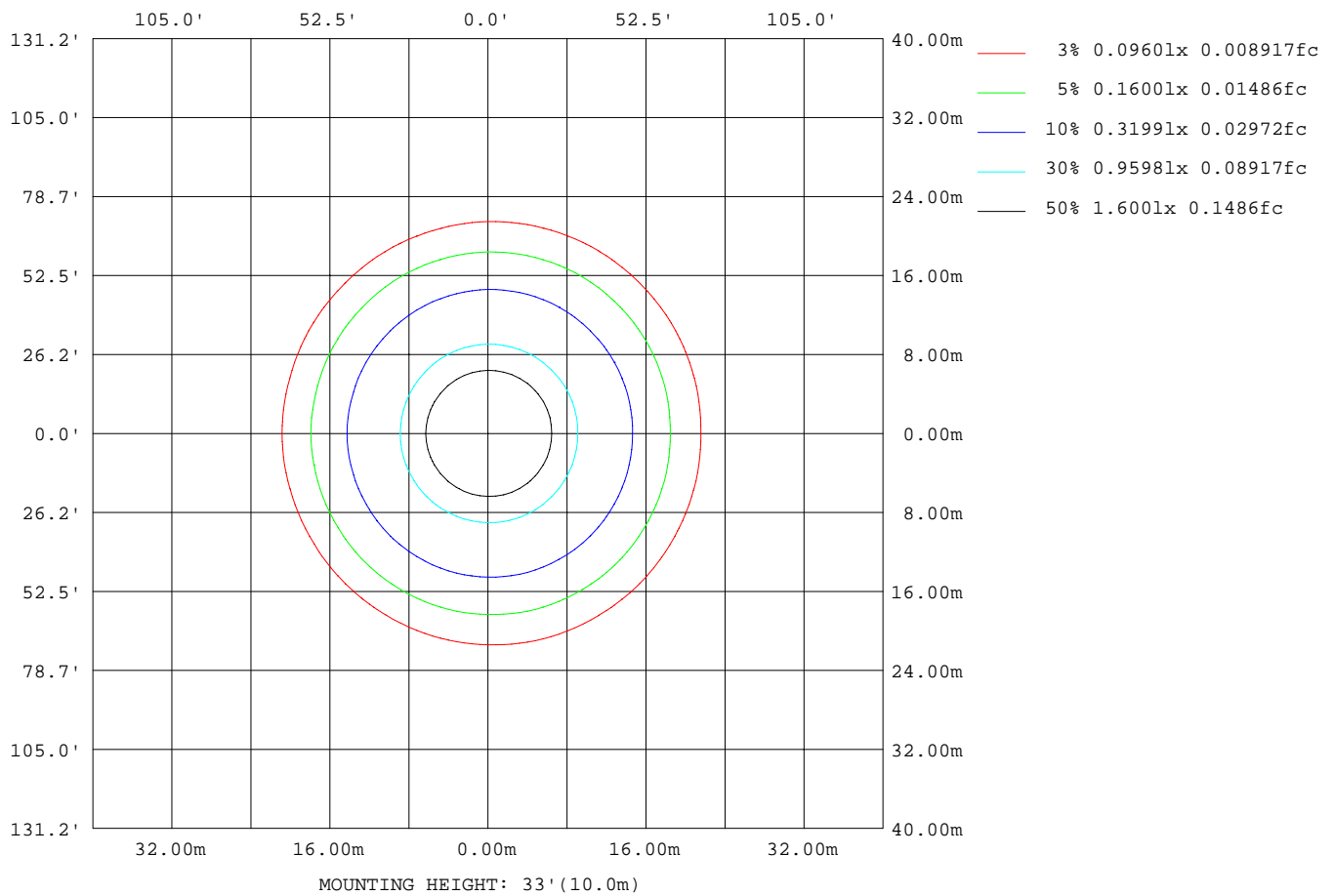
Note: The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators: DAMIN
 Test Date: 2018-08-17

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:0.4874A P:11.70W PF:1.000 Freq:0Hz Lamp Flux:965.91lx 1m		
NAME: LED Strip	TYPE:Indoor lighting	WEIGHT:25g
SPEC.:3030 140LED	DIM.: 1000*10*1MM	SERIAL No.:20180831003
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:2018-08-17

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:

LED Avg.L Report

Test:U:24.01V I:0.4874A P:11.70W PF:1.000 Freq:0Hz Lamp Flux:965.91lx1 lm		
NAME: LED Strip	TYPE:Indoor lighting	WEIGHT:25g
SPEC.:3030 140LED	DIM.: 1000*10*1MM	SERIAL No.:20180831003
MFR.: EVERFINE	SUR.:1000*10mm	Shielding Angle:

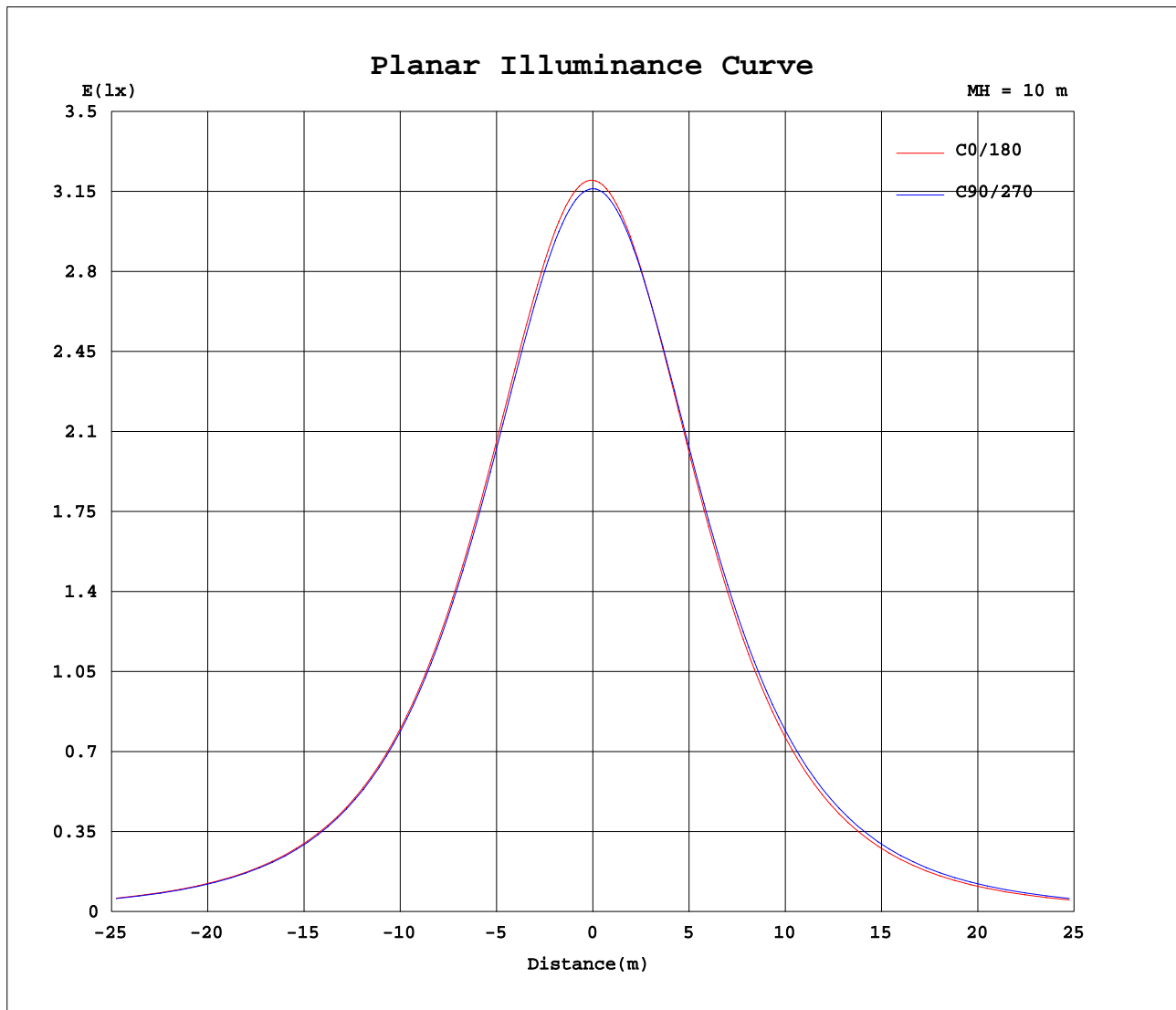
AvgL	cd/m2
L_0~180(65)av	28919
L_0~180(75)av	25216
L_0~180(85)av	17673
L_90~270(65)av	29977
L_90~270(75)av	26692
L_90~270(85)av	19028
L_45(65)av	29393
L_45(75)av	25802
L_45(85)av	18292

Standard: GB/T 29293-2012

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:DAMIN
 Test Date:2018-08-17

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: 2018-08-17

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:0.4874A P:11.70W PF:1.000 Freq:0Hz Lamp Flux:965.91lx1 lm		
NAME: LED Strip	TYPE:Indoor lighting	WEIGHT:25g
SPEC.:3030 140LED	DIM.: 1000*10*1MM	SERIAL No.:20180831003
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	320	319	318	317	317	316	316	316	317	318	319	320	320	319	318	317	317	316	316
5	319	318	317	317	316	315	315	315	315	316	317	318	318	317	316	316	315	315	315
10	316	315	314	314	313	312	311	311	311	312	312	313	314	312	312	311	311	311	312
15	310	309	309	308	307	306	305	305	305	305	305	306	306	305	305	305	305	305	306
20	302	301	301	300	299	298	297	296	296	296	296	296	297	296	296	296	296	297	298
25	291	291	290	290	289	288	287	285	285	285	284	284	285	284	284	284	285	286	288
30	278	278	277	277	277	276	274	273	271	271	270	270	271	270	270	271	272	273	275
35	263	263	263	263	262	261	259	257	256	255	254	254	254	253	254	255	257	258	260
40	246	246	245	246	245	244	242	240	238	237	236	235	236	235	236	237	240	241	243
45	226	226	226	227	226	225	223	221	219	217	215	215	215	214	216	217	220	221	224
50	205	205	205	205	205	204	201	199	197	195	193	192	193	192	194	195	198	200	203
55	181	182	182	182	182	181	178	176	173	171	168	168	169	168	170	171	174	176	180
60	156	157	157	157	156	156	153	150	147	145	142	142	143	142	144	145	149	151	154
65	129	130	130	131	130	129	126	123	120	117	115	114	115	115	116	118	121	124	127
70	101	102	102	102	101	100	97.5	94.8	91.1	88.4	85.9	85.4	86.5	86.0	87.7	89.2	92.6	95.3	99.0
75	72.6	73.6	73.2	73.6	72.1	71.6	68.3	65.7	62.0	59.6	57.2	56.8	57.9	57.5	59.0	60.3	63.3	66.2	69.9
80	44.6	45.5	45.1	45.1	43.7	42.9	40.1	38.0	34.4	32.5	30.3	30.2	31.2	30.8	32.2	33.3	35.8	38.2	41.1
85	20.2	21.0	20.6	20.6	19.2	18.5	16.4	15.2	12.5	11.4	10.1	10.1	10.6	10.4	11.3	11.7	13.5	14.9	16.8
90	4.06	4.65	4.51	4.54	3.74	3.26	1.97	2.15	1.70	1.52	1.39	1.35	1.35	1.35	1.46	1.50	1.77	1.98	1.93
95	1.00	1.04	1.10	1.11	1.05	1.15	1.21	1.18	1.05	1.03	1.06	1.07	1.07	1.08	1.10	1.09	1.05	1.16	1.18
100	0.96	0.97	0.99	1.03	1.07	1.12	1.15	1.15	1.12	1.10	1.08	1.08	1.09	1.08	1.10	1.12	1.14	1.15	1.15
105	1.12	1.13	1.16	1.20	1.24	1.29	1.32	1.32	1.31	1.30	1.27	1.26	1.27	1.27	1.29	1.31	1.33	1.33	1.33
110	1.32	1.33	1.35	1.40	1.44	1.50	1.54	1.53	1.51	1.50	1.47	1.45	1.47	1.47	1.50	1.51	1.54	1.54	1.54
115	1.52	1.53	1.55	1.60	1.64	1.70	1.74	1.74	1.72	1.70	1.67	1.65	1.67	1.67	1.70	1.72	1.74	1.75	1.75
120	1.72	1.73	1.75	1.80	1.84	1.90	1.95	1.95	1.92	1.91	1.88	1.86	1.87	1.88	1.90	1.92	1.94	1.95	1.95
125	1.93	1.93	1.96	2.00	2.05	2.10	2.15	2.15	2.13	2.11	2.09	2.07	2.08	2.09	2.11	2.13	2.15	2.16	2.15
130	2.14	2.15	2.17	2.21	2.25	2.31	2.36	2.36	2.34	2.33	2.30	2.28	2.28	2.29	2.32	2.34	2.35	2.36	2.35
135	2.35	2.37	2.39	2.42	2.47	2.52	2.56	2.57	2.56	2.54	2.51	2.49	2.48	2.49	2.52	2.54	2.56	2.56	2.56
140	2.56	2.59	2.60	2.64	2.67	2.72	2.76	2.77	2.75	2.74	2.71	2.69	2.69	2.69	2.72	2.74	2.75	2.76	2.75
145	2.77	2.81	2.81	2.84	2.86	2.91	2.95	2.96	2.94	2.93	2.90	2.88	2.88	2.88	2.90	2.92	2.94	2.95	2.94
150	2.97	3.01	3.00	3.02	3.05	3.09	3.12	3.13	3.12	3.11	3.08	3.07	3.07	3.06	3.08	3.10	3.12	3.12	3.12
155	3.17	3.20	3.19	3.21	3.22	3.27	3.29	3.30	3.28	3.28	3.25	3.24	3.25	3.22	3.25	3.26	3.28	3.29	3.28
160	3.36	3.37	3.36	3.37	3.38	3.42	3.43	3.45	3.43	3.43	3.41	3.41	3.42	3.38	3.41	3.41	3.43	3.44	3.43
165	3.54	3.53	3.51	3.52	3.53	3.56	3.57	3.58	3.57	3.57	3.55	3.56	3.58	3.53	3.55	3.55	3.57	3.57	3.57
170	3.68	3.67	3.64	3.65	3.66	3.68	3.68	3.70	3.69	3.69	3.68	3.69	3.71	3.66	3.67	3.67	3.69	3.68	3.69
175	3.79	3.77	3.74	3.76	3.75	3.77	3.77	3.78	3.78	3.78	3.77	3.79	3.81	3.76	3.77	3.76	3.78	3.77	3.78
180	3.85	3.83	3.81	3.81	3.81	3.82	3.82	3.82	3.82	3.82	3.82	3.83	3.85	3.82	3.81	3.81	3.81	3.82	3.82

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:2018-08-17

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:0.4874A P:11.70W PF:1.000 Freq:0Hz Lamp Flux:965.91lx1 lm		
NAME: LED Strip	TYPE:Indoor lighting	WEIGHT:25g
SPEC.:3030 140LED	DIM.: 1000*10*1MM	SERIAL No.:20180831003
MFR.: EVERFINE	SUR.:1000*10mm	Shielding Angle:

Table--2

UNIT: cd

C(DEC) γ (DEC)	285	300	315	330	345														
0	316	317	318	319	320														
5	315	316	318	318	319														
10	312	313	315	315	316														
15	306	308	309	310	310														
20	298	300	301	302	302														
25	288	290	291	292	292														
30	276	277	278	279	279														
35	261	263	263	264	264														
40	244	246	246	247	247														
45	225	227	227	228	227														
50	204	206	206	206	206														
55	181	183	183	183	183														
60	156	158	158	158	158														
65	129	131	131	132	131														
70	101	102	103	104	103														
75	71.4	73.3	73.7	74.7	74.0														
80	42.7	44.2	44.7	45.7	45.7														
85	17.6	19.1	20.0	21.2	20.8														
90	2.53	3.72	4.17	4.82	4.59														
95	1.10	1.01	1.04	1.08	1.06														
100	1.11	1.07	1.03	1.01	1.00														
105	1.29	1.25	1.21	1.19	1.18														
110	1.49	1.45	1.41	1.38	1.38														
115	1.69	1.65	1.61	1.58	1.57														
120	1.89	1.85	1.80	1.78	1.77														
125	2.09	2.05	2.01	1.99	1.97														
130	2.30	2.25	2.21	2.19	2.18														
135	2.51	2.46	2.42	2.40	2.40														
140	2.70	2.66	2.62	2.61	2.62														
145	2.90	2.86	2.82	2.82	2.83														
150	3.08	3.04	3.02	3.01	3.03														
155	3.25	3.22	3.19	3.20	3.21														
160	3.41	3.38	3.36	3.37	3.38														
165	3.55	3.53	3.51	3.52	3.54														
170	3.67	3.66	3.64	3.65	3.68														
175	3.76	3.76	3.75	3.76	3.78														
180	3.82	3.82	3.81	3.81	3.84														

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:2018-08-17

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: