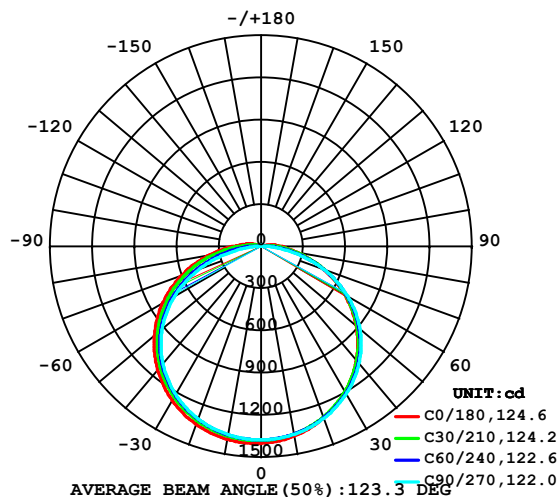


## LUMINAIRE PHOTOMETRIC TEST REPORT

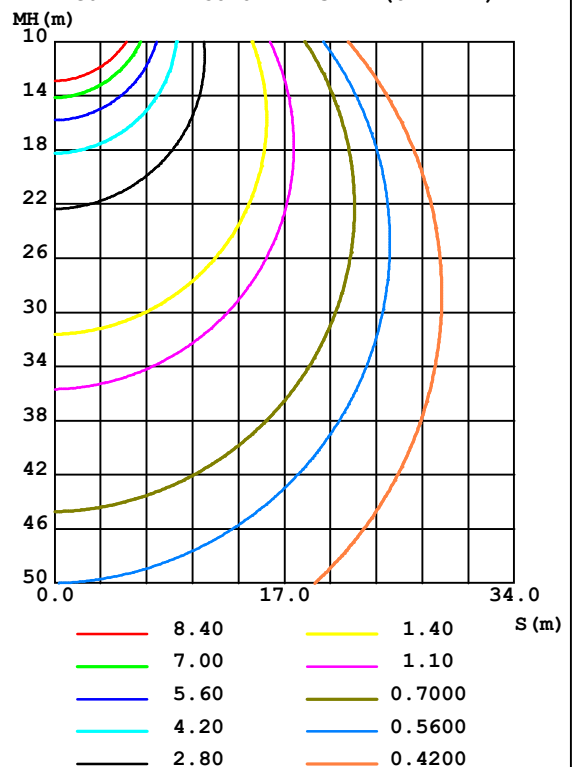
Test:U:24.06V I:1.703A P:40.98W PF:1.000 Lamp Flux:4644.22x1 lm		
NAME: LED Strip	TYPE:Indoor lighting	WEIGHT:25g
SPEC.:3528 060LED	DIM.: 1000*10*1MM	SERIAL No.:2016051701
MFR.: Dilux	SUR.:1000*10mm	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 113.33 lm/W			
MODEL:3528 060LED	WWS102T29XX224S-24-HR-HE	Imax(cd)	1402	S/MH(C0/180)	1.34
NOMINAL POWER(W)	43.1	LOR(%)	100.0	S/MH(C90/270)	1.32
RATED VOLTAGE(V)	DC 24	TOTAL FLUX(lm)	4644.2	$\eta$ UP,DN(C0-180)	1.1,48.4
NOMINAL FLUX(lm)	4644.22	CIE CLASS	DIRECT	$\eta$ UP,DN(C180-360)	1.2,49.3
LAMPS INSIDE	1	$\eta$ up(%)	2.3	CIBSE SHR NOM	1.50
TEST VOLTAGE(V)	24	$\eta$ down(%)	97.7	CIBSE SHR MAX	1.50

LUMINOUS INTENSITY DISTRIBUTION DIAGRAM



C0 PLANE ISOLUX DIAGRAM (UNIT:lx)



C Range: 0 - 360DEG  
C Interval: 10.0DEG  
Test Speed: MEDIUM  
Temperature:25.3DEG  
Operators:DAMIN  
Test Date:2016-05-17

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 0.5DEG  
Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.351  
Humidity:65.0%  
Test Distance:4.950m [K=1.0000]  
Remarks:

## ZONAL FLUX DIAGRAM

ZONAL FLUX DIAGRAM:

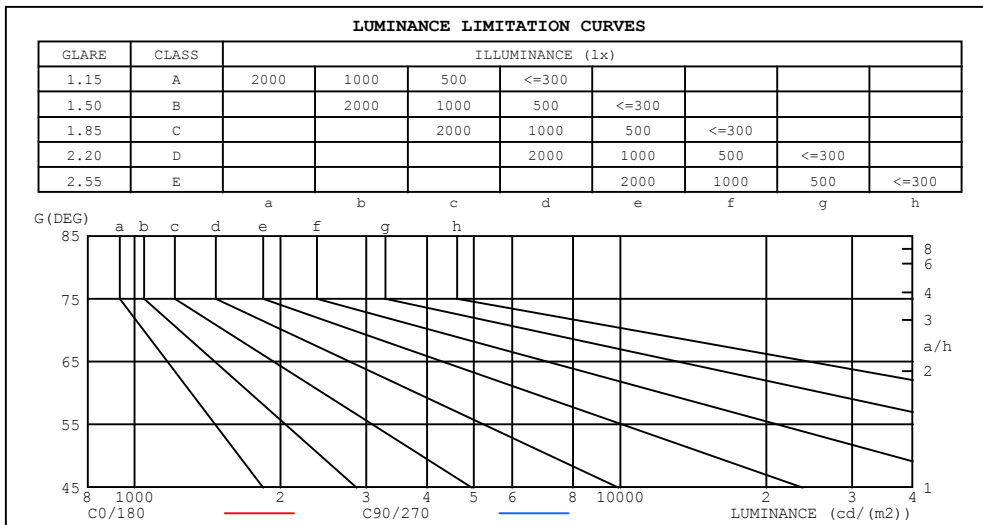
$\gamma$	C0	C45	C90	C135	C180	C225	C270	C315	$\gamma$	$\Phi$ zone	$\Phi$ total	%lum,lamp
5	1390	1372	1371	1378	1402	1377	1372	1377	0- 5	32.97	32.97	0.71,0.71
10	1370	1356	1357	1366	1393	1366	1360	1362	5- 10	98.01	131.0	2.82,2.82
15	1340	1331	1335	1345	1375	1346	1338	1339	10- 15	160.4	291.3	6.27,6.27
20	1301	1296	1303	1314	1348	1317	1307	1306	15- 20	218.3	509.6	11.11
25	1253	1253	1263	1275	1311	1278	1267	1264	20- 25	270.2	779.8	16.8,16.8
30	1196	1200	1213	1227	1265	1231	1217	1213	25- 30	314.5	1094	23.6,23.6
35	1131	1138	1154	1169	1210	1173	1157	1152	30- 35	349.8	1444	31.1,31.1
40	1056	1068	1086	1101	1146	1107	1088	1082	35- 40	375.0	1819	39.2,39.2
45	974.5	988.2	1008	1025	1073	1031	1009	1002	40- 45	389.1	2208	47.5,47.5
50	885.3	900.1	919.9	939.1	992.2	945.8	919.8	913.7	45- 50	391.5	2600	56.56
55	788.9	804.2	821.9	845.5	903.6	852.6	820.5	817.5	50- 55	382.0	2982	64.2,64.2
60	686.4	701.3	714.3	744.6	808.7	751.9	710.9	713.9	55- 60	360.4	3342	72.72
65	579.3	589.7	594.1	635.6	707.5	643.1	591.2	602.1	60- 65	326.8	3669	79.79
70	468.7	474.6	467.0	522.1	598.1	530.0	460.2	486.5	65- 70	282.9	3952	85.1,85.1
75	360.0	358.1	334.0	405.8	489.0	413.7	324.0	369.2	70- 75	230.4	4182	90.1,90.1
80	260.3	243.9	201.0	289.9	379.6	297.6	189.1	254.1	75- 80	172.2	4354	93.8,93.8
85	187.0	147.5	82.95	184.2	277.5	191.4	72.31	155.6	80- 85	114.7	4469	96.2,96.2
90	143.9	85.63	4.625	107.6	196.0	111.9	2.318	90.59	85- 90	68.41	4537	97.7,97.7
95	106.3	45.51	0.3476	61.64	145.1	65.21	0	50.51	90- 95	40.84	4578	98.6,98.6
100	73.00	15.73	0	29.14	106.6	32.82	0	20.72	95-100	24.96	4603	99.1,99.1
105	26.41	1.977	0.0015	6.819	72.70	9.888	0.2639	3.791	100-105	13.56	4617	99.4,99.4
110	2.654	1.376	0.9786	1.181	40.06	1.805	1.252	1.647	105-110	5.479	4622	99.5,99.5
115	2.601	2.133	1.939	1.718	4.976	1.898	2.215	2.414	110-115	1.697	4624	99.6,99.6
120	3.238	2.975	2.859	2.523	2.680	2.740	3.120	3.239	115-120	1.242	4625	99.6,99.6
125	4.037	3.809	3.740	3.388	3.373	3.601	3.977	4.065	120-125	1.525	4627	99.6,99.6
130	4.832	4.629	4.601	4.236	4.166	4.427	4.812	4.825	125-130	1.792	4629	99.7,99.7
135	5.588	5.422	5.444	5.058	4.949	5.214	5.615	5.583	130-135	1.991	4631	99.7,99.7
140	6.294	6.167	6.229	5.834	5.712	5.958	6.368	6.303	135-140	2.111	4633	99.8,99.8
145	6.958	6.864	6.964	6.554	6.448	6.656	7.074	6.982	140-145	2.146	4635	99.8,99.8
150	7.620	7.521	7.672	7.227	7.161	7.323	7.753	7.638	145-150	2.099	4637	99.8,99.8
155	8.284	8.154	8.315	7.875	7.875	7.954	8.384	8.238	150-155	1.972	4639	99.9,99.9
160	8.911	8.736	8.927	8.511	8.589	8.577	8.975	8.802	155-160	1.766	4641	99.9,99.9
165	9.508	9.262	9.480	9.182	9.293	9.217	9.509	9.310	160-165	1.486	4642	100,100
170	10.12	9.771	9.957	9.811	10.04	9.820	9.971	9.810	165-170	1.136	4643	100,100
175	10.59	10.22	10.34	10.34	10.61	10.31	10.34	10.26	170-175	0.7211	4644	100,100
180	10.88	10.53	10.55	10.55	10.99	10.53	10.56	10.57	175-180	0.2497	4644	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

C Range: 0 - 360DEG  
 C Interval: 10.0DEG  
 Test Speed: MEDIUM  
 Temperature:25.3DEG  
 Operators:DAMIN  
 Test Date:2016-05-17

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 0.5DEG  
 Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.351  
 Humidity:65.0%  
 Test Distance:4.950m [K=1.0000]  
 Remarks:

## LUMINANCE LIMITATION CURVES

Test:U:24.06V I:1.703A P:40.98W PF:1.000 Lamp Flux:4644.22x1 lm		
NAME: LED Strip	TYPE:Indoor lighting	WEIGHT:25g
SPEC.:3528 060LED	DIM.: 1000*10*1MM	SERIAL No.:2016051701
MFR.: Dilux	SUR.:1000*10mm	Shielding Angle:



LUMINANCE cd/(m2)		
G (DEG)	C0/180	C90/270
85	214603	95175
80	149890	115736
75	139098	129037
70	137046	136547
65	137071	140578
60	137276	142859
55	137544	143292
50	137721	143113
45	137812	142529

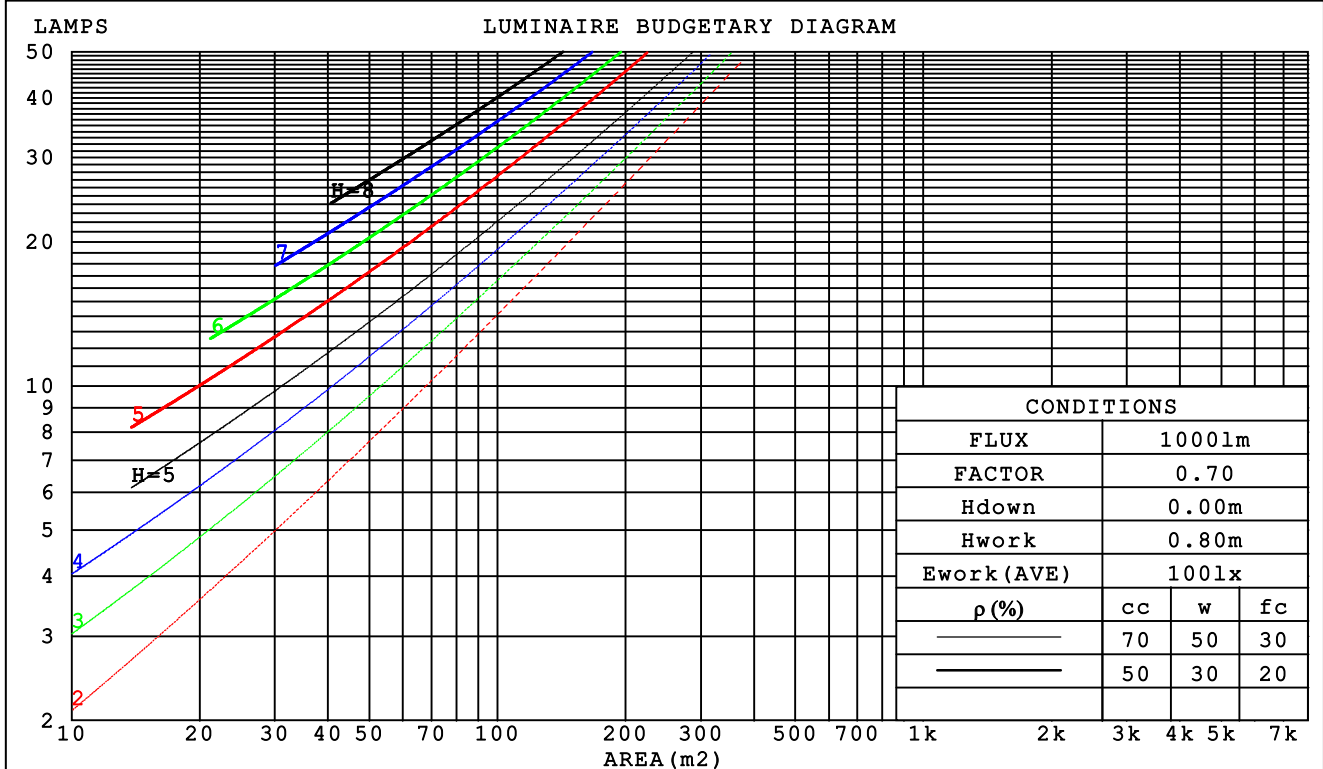
C Range: 0 - 360DEG  
C Interval: 10.0DEG  
Test Speed: MEDIUM  
Temperature:25.3DEG  
Operators:DAMIN  
Test Date:2016-05-17

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 0.5DEG  
Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.351  
Humidity:65.0%  
Test Distance:4.950m [K=1.0000]  
Remarks:

## CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:24.06V I:1.703A P:40.98W PF:1.000 Lamp Flux:4644.22x1 lm		
NAME: LED Strip	TYPE:Indoor lighting	WEIGHT:25g
SPEC.:3528 060LED	DIM.: 1000*10*1MM	SERIAL No.:2016051701
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															



C Range: 0 - 360DEG  
C Interval: 10.0DEG  
Test Speed: MEDIUM  
Temperature:25.3DEG  
Operators:DAMIN  
Test Date:2016-05-17

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 0.5DEG  
Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.351  
Humidity:65.0%  
Test Distance:4.950m [K=1.0000]  
Remarks:

### WEC AND CCEC

Test:U:24.06V I:1.703A P:40.98W PF:1.000 Lamp Flux:4644.22x1 lm					
NAME: LED Strip			TYPE:Indoor lighting		WEIGHT:25g
SPEC.:3528 060LED			DIM.: 1000*10*1MM		SERIAL No.:2016051701
MFR.: Dilux			SUR.:1000*10mm		Shielding Angle:

$\rho_{cc}$	80%			70%			50%			30%			10%			0
$\rho_w$	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
$\rho_{fc}$	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio						Wall Exitance Coefficients (WEC)									
0.0																
1.0	.344	.196	.062	.336	.192	.061	.321	.184	.059	.308	.178	.057	.295	.171	.055	
2.0	.314	.172	.053	.307	.169	.052	.294	.163	.051	.281	.158	.049	.270	.153	.048	
3.0	.286	.152	.046	.279	.150	.045	.268	.145	.044	.257	.141	.043	.247	.137	.042	
4.0	.261	.136	.040	.255	.134	.039	.245	.130	.039	.235	.126	.038	.226	.123	.037	
5.0	.239	.122	.035	.234	.120	.035	.225	.117	.035	.217	.114	.034	.208	.111	.033	
6.0	.221	.111	.032	.216	.109	.031	.208	.107	.031	.200	.104	.031	.193	.102	.030	
7.0	.205	.101	.029	.201	.100	.028	.193	.098	.028	.186	.095	.028	.180	.093	.027	
8.0	.190	.093	.026	.187	.092	.026	.180	.090	.026	.174	.088	.025	.168	.086	.025	
9.0	.178	.086	.024	.175	.085	.024	.169	.083	.024	.163	.082	.023	.158	.080	.023	
10.0	.167	.080	.022	.164	.079	.022	.159	.078	.022	.153	.076	.022	.148	.075	.021	

$\rho_{cc}$	80%			70%			50%			30%			10%			0
$\rho_w$	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
$\rho_{fc}$	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio						Ceiling Cavity Exitance Coefficients(CCEC)									
0.0	.208	.208	.208	.178	.178	.178	.121	.121	.121	.070	.070	.070	.022	.022	.022	
1.0	.200	.173	.149	.171	.149	.129	.117	.102	.089	.067	.059	.052	.022	.019	.017	
2.0	.193	.150	.113	.165	.129	.098	.113	.089	.068	.065	.052	.040	.021	.017	.013	
3.0	.185	.132	.090	.159	.114	.078	.109	.079	.055	.063	.046	.032	.020	.015	.011	
4.0	.178	.119	.075	.152	.103	.065	.105	.072	.046	.061	.042	.027	.020	.014	.009	
5.0	.170	.109	.064	.146	.094	.056	.101	.066	.039	.058	.039	.023	.019	.013	.008	
6.0	.163	.101	.056	.140	.087	.049	.096	.061	.035	.056	.036	.021	.018	.012	.007	
7.0	.156	.094	.051	.134	.081	.044	.093	.057	.031	.054	.034	.019	.017	.011	.006	
8.0	.149	.088	.046	.128	.076	.040	.089	.054	.029	.052	.032	.017	.017	.010	.006	
9.0	.143	.083	.043	.123	.072	.037	.085	.051	.027	.050	.030	.016	.016	.010	.005	
10.0	.137	.079	.040	.118	.069	.035	.082	.048	.025	.048	.028	.015	.015	.009	.005	

C Range: 0 - 360DEG  
C Interval: 10.0DEG  
Test Speed: MEDIUM  
Temperature:25.3DEG  
Operators:DAMIN  
Test Date:2016-05-17

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 0.5DEG  
Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.351  
Humidity:65.0%  
Test Distance:4.950m [K=1.0000]  
Remarks:

## UGR(Unified Glare Rating) Table

Test:U:24.06V I:1.703A P:40.98W PF:1.000 Lamp Flux:4644.22x1 lm										
NAME: LED Strip					TYPE:Indoor lighting			WEIGHT:25g		
SPEC.:3528 060LED					DIM.: 1000*10*1MM			SERIAL No.:2016051701		
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	29.8	31.3	30.1	31.6	31.8	30.0	31.5	30.3	31.7	32.0
3H	31.6	33.0	31.9	33.3	33.6	31.6	33.1	32.0	33.4	33.7
4H	32.4	33.7	32.7	34.0	34.3	32.3	33.7	32.7	34.0	34.3
6H	33.1	34.4	33.4	34.7	35.0	32.8	34.1	33.2	34.4	34.8
8H	33.4	34.7	33.8	35.0	35.3	33.0	34.2	33.3	34.5	34.9
12H	33.8	35.0	34.2	35.3	35.7	33.0	34.3	33.4	34.6	35.0
4H 2H	30.5	31.8	30.8	32.1	32.5	30.6	32.0	31.0	32.3	32.6
3H	32.4	33.6	32.8	34.0	34.3	32.5	33.7	32.9	34.0	34.4
4H	33.4	34.5	33.8	34.9	35.3	33.3	34.4	33.7	34.8	35.2
6H	34.3	35.3	34.7	35.7	36.1	33.9	34.9	34.4	35.3	35.7
8H	34.7	35.6	35.2	36.0	36.5	34.1	35.1	34.6	35.5	35.9
12H	35.2	36.0	35.6	36.5	36.9	34.3	35.1	34.7	35.5	36.0
8H 4H	33.7	34.7	34.2	35.1	35.5	33.7	34.6	34.1	35.0	35.4
6H	34.8	35.6	35.3	36.1	36.5	34.5	35.2	34.9	35.7	36.2
8H	35.4	36.1	35.9	36.6	37.1	34.8	35.5	35.3	35.9	36.4
12H	36.1	36.7	36.6	37.1	37.7	35.0	35.6	35.5	36.1	36.6
12H 4H	33.8	34.6	34.2	35.0	35.5	33.7	34.6	34.2	35.0	35.4
6H	34.9	35.6	35.4	36.1	36.6	34.6	35.3	35.1	35.7	36.3
8H	35.6	36.2	36.1	36.7	37.2	35.0	35.6	35.5	36.0	36.6
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	+ 0.1 / - 0.4					+ 0.1 / - 0.3				

CIE Pub.117 Corrected 4644 lm Total Lamp Luminous Flux.(8log(F/F0) = 5.3)

C Range: 0 - 360DEG  
C Interval: 10.0DEG  
Test Speed: MEDIUM  
Temperature:25.3DEG  
Operators:DAMIN  
Test Date:2016-05-17

γ Range: 0 - 180DEG  
γ Interval: 0.5DEG  
Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.351  
Humidity:65.0%  
Test Distance:4.950m [K=1.0000]  
Remarks:

### UTILIZATION FACTORS TABLE

Test:U:24.06V I:1.703A P:40.98W PF:1.000 Lamp Flux:4644.22x1 lm		
NAME: LED Strip	TYPE:Indoor lighting	WEIGHT:25g
SPEC.:3528 060LED	DIM.: 1000*10*1MM	SERIAL No.:2016051701
MFR.: Dilux	SUR.:1000*10mm	Shielding Angle:

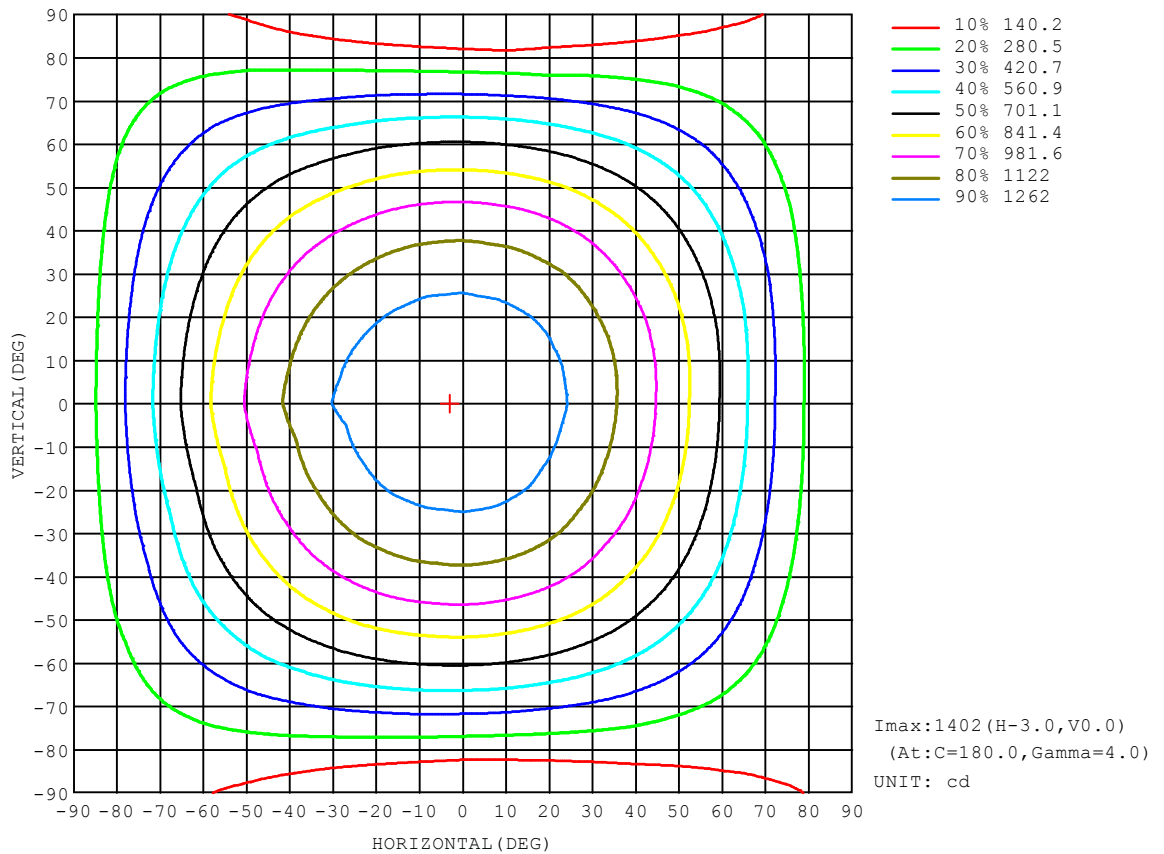
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS (PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	54	42	35	54	42	35	52	42	35	28
0.80	64	52	44	63	51	44	61	51	44	36
1.00	72	61	53	71	60	53	69	61	52	44
1.25	80	68	61	78	67	60	75	66	59	51
1.50	85	74	66	83	73	66	80	71	65	56
2.00	92	82	75	90	81	74	86	79	73	64
2.50	96	87	81	94	86	80	90	83	78	69
3.00	100	92	86	97	90	84	93	87	82	73
4.00	104	97	92	101	95	91	97	92	88	78
5.00	106	101	96	104	99	95	99	95	91	81
ROOM INDEX	UF (total)									Direct
According to DIN EN 13032-2 2004			Suspended					SHRNOM = 1.25		

C Range: 0 - 360DEG  
C Interval: 10.0DEG  
Test Speed: MEDIUM  
Temperature:25.3DEG  
Operators:DAMIN  
Test Date:2016-05-17

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 0.5DEG  
Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.351  
Humidity:65.0%  
Test Distance:4.950m [K=1.0000]  
Remarks:

## ISOCANDELA DIAGRAM

Test:U:24.06V I:1.703A P:40.98W PF:1.000 Lamp Flux:4644.22x1 lm		
NAME: LED Strip	TYPE:Indoor lighting	WEIGHT:25g
SPEC.:3528 060LED	DIM.: 1000*10*1MM	SERIAL No.:2016051701
MFR.: Dilux	SUR.:1000*10mm	Shielding Angle:



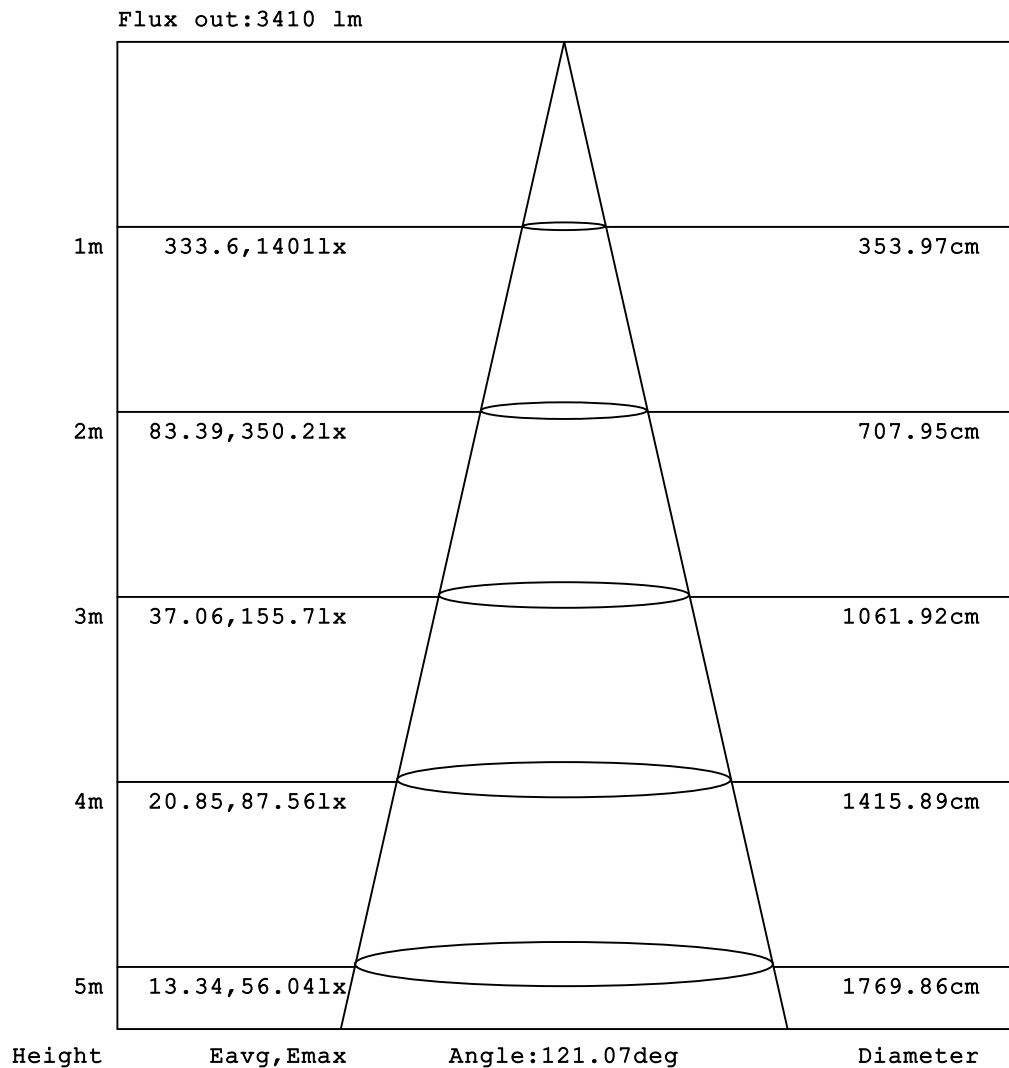
C Range: 0 - 360DEG  
C Interval: 10.0DEG  
Test Speed: MEDIUM  
Temperature:25.3DEG  
Operators:DAMIN  
Test Date:2016-05-17

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 0.5DEG  
Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.351  
Humidity:65.0%  
Test Distance:4.950m [K=1.0000]  
Remarks:



## AAI Figure

Test:U:24.06V I:1.703A P:40.98W PF:1.000 Lamp Flux:4644.22x1 lm		
NAME: LED Strip	TYPE:Indoor lighting	WEIGHT:25g
SPEC.:3528 060LED	DIM.: 1000*10*1MM	SERIAL No.:2016051701
MFR.: Dilux	SUR.:1000*10mm	Shielding Angle:



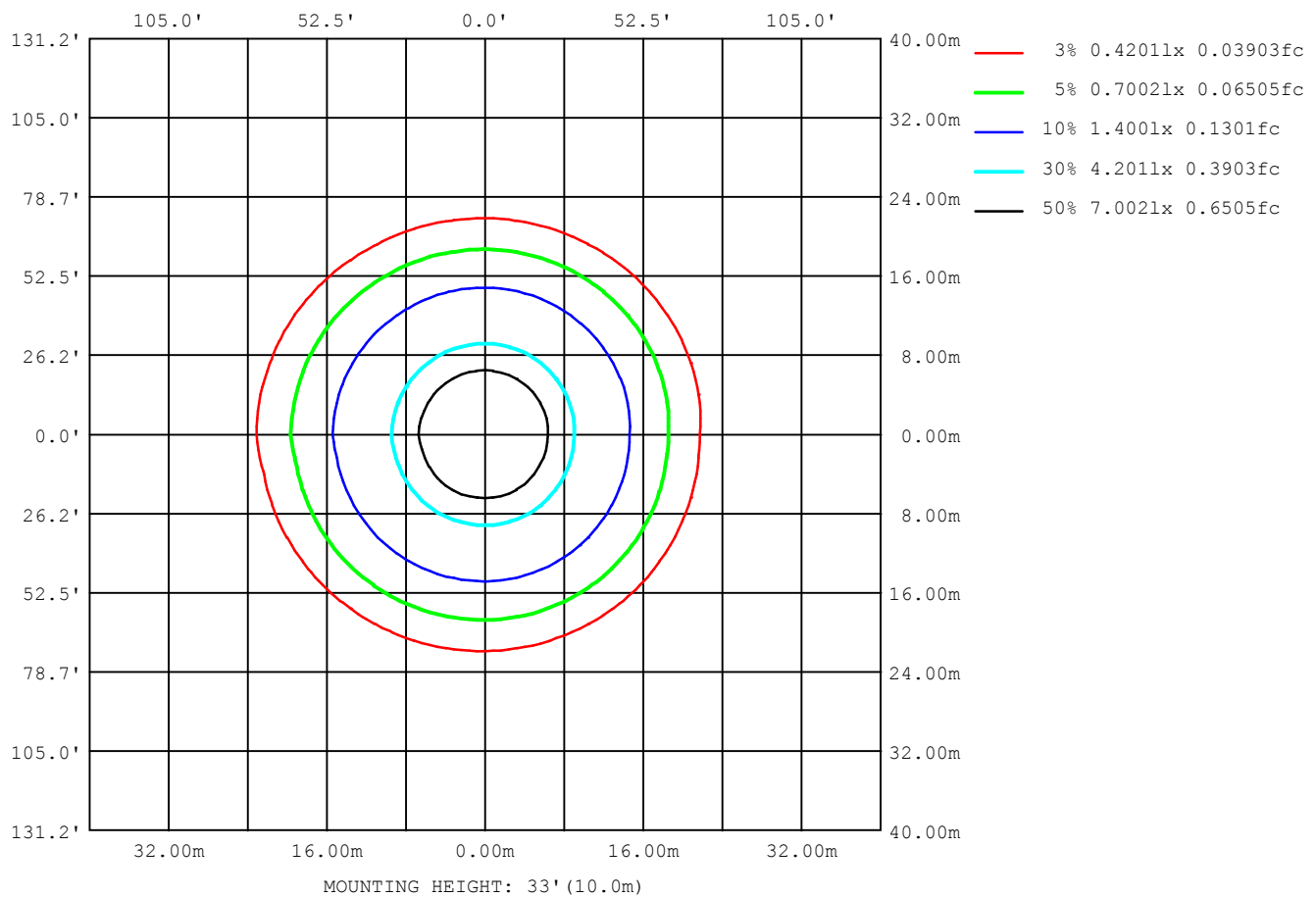
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG  
 C Interval: 10.0DEG  
 Test Speed: MEDIUM  
 Temperature:25.3DEG  
 Operators:DAMIN  
 Test Date:2016-05-17

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 0.5DEG  
 Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.351  
 Humidity:65.0%  
 Test Distance:4.950m [K=1.0000]  
 Remarks:

## ISOLUX DIAGRAM

Test:U:24.06V I:1.703A P:40.98W PF:1.000 Lamp Flux:4644.22x1 lm		
NAME: LED Strip	TYPE:Indoor lighting	WEIGHT:25g
SPEC.:3528 060LED	DIM.: 1000*10*1MM	SERIAL No.:2016051701
MFR.: Dilux	SUR.:1000*10mm	Shielding Angle:



C Range: 0 - 360DEG  
C Interval: 10.0DEG  
Test Speed: MEDIUM  
Temperature:25.3DEG  
Operators:DAMIN  
Test Date:2016-05-17

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 0.5DEG  
Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.351  
Humidity:65.0%  
Test Distance:4.950m [K=1.0000]  
Remarks:

## LED Avg.L Report

Test:U:24.06V I:1.703A P:40.98W PF:1.000 Lamp Flux:4644.22x1 lm		
NAME: LED Strip	TYPE:Indoor lighting	WEIGHT:25g
SPEC.:3528 060LED	DIM.: 1000*10*1MM	SERIAL No.:2016051701
MFR.: Dilux	SUR.:1000*10mm	Shielding Angle:

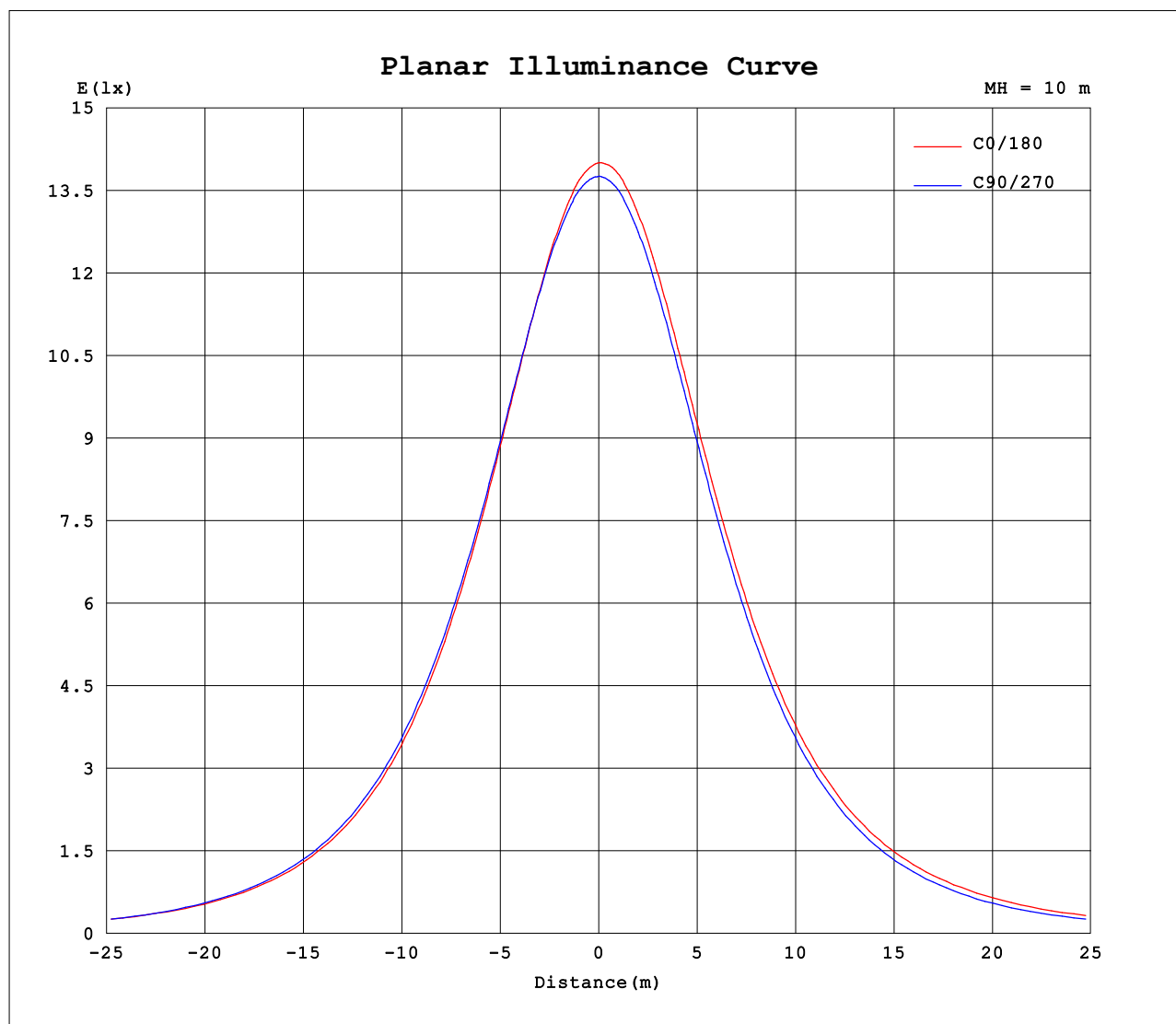
AvgL	cd/m2
L_0~180 (65) av	152241
L_0~180 (75) av	164023
L_0~180 (85) av	266509
L_90~270 (65) av	140238
L_90~270 (75) av	127107
L_90~270 (85) av	89070
L_45 (65) av	146166
L_45 (75) av	149529
L_45 (85) av	195140

Standard: GB/T 29293-2012

C Range: 0 - 360DEG  
C Interval: 10.0DEG  
Test Speed: MEDIUM  
Temperature:25.3DEG  
Operators:DAMIN  
Test Date:2016-05-17

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 0.5DEG  
Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.351  
Humidity:65.0%  
Test Distance:4.950m [K=1.0000]  
Remarks:

## Planar Illuminance Curve



C Range: 0 - 360DEG  
C Interval: 10.0DEG  
Test Speed: MEDIUM  
Temperature: 25.3DEG  
Operators: DAMIN  
Test Date: 2016-05-17

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 0.5DEG  
Test System: EVERFINE GO-2000B\_V1 SYSTEM V2.0.351  
Humidity: 65.0%  
Test Distance: 4.950m [K=1.0000]  
Remarks:

## LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:24.06V I:1.703A P:40.98W PF:1.000 Lamp Flux:4644.22x1 lm		
NAME: LED Strip	TYPE:Indoor lighting	WEIGHT:25g
SPEC.:3528 060LED	DIM.: 1000*10*1MM	SERIAL No.:2016051701
MFR.: Dilux	SUR.:1000*10mm	Shielding Angle:

Table--1

UNIT: cd

C (DEG) γ (DEG)	0	10	20	30	40	50	60	70	80	90	100	110	120	130	140	150	160	170	180
0	1400	1389	1385	1381	1378	1380	1376	1377	1374	1376	1372	1376	1378	1380	1384	1382	1385	1384	1400
5	1390	1379	1376	1373	1371	1374	1370	1372	1369	1371	1367	1372	1374	1376	1380	1379	1382	1383	1402
10	1370	1360	1357	1355	1354	1358	1356	1358	1356	1357	1354	1359	1361	1364	1368	1367	1371	1371	1393
15	1340	1331	1329	1328	1328	1333	1332	1334	1333	1335	1332	1337	1339	1343	1347	1346	1350	1351	1375
20	1301	1293	1292	1292	1293	1299	1299	1302	1301	1303	1301	1306	1308	1313	1316	1316	1320	1322	1348
25	1253	1246	1246	1247	1249	1256	1258	1261	1260	1263	1261	1266	1268	1274	1276	1277	1281	1283	1311
30	1196	1190	1190	1193	1196	1205	1207	1210	1210	1213	1212	1217	1220	1226	1227	1228	1233	1236	1265
35	1131	1126	1126	1130	1134	1143	1147	1150	1151	1154	1153	1159	1162	1169	1170	1171	1176	1179	1210
40	1056	1053	1054	1059	1063	1073	1078	1081	1082	1086	1086	1092	1095	1101	1102	1104	1109	1113	1146
45	974	972	974	979	983	993	999	1002	1004	1008	1008	1015	1019	1023	1027	1029	1035	1039	1073
50	885	884	886	892	895	905	910	914	916	920	921	928	933	936	942	945	952	956	992
55	789	789	792	797	800	808	812	816	819	822	825	831	838	842	849	854	863	867	904
60	686	685	691	695	698	704	705	709	711	714	718	725	733	740	749	757	766	771	809
65	579	579	585	586	589	590	591	589	593	594	601	608	619	628	643	651	664	667	708
70	469	470	475	476	476	473	470	464	466	467	475	485	500	513	531	543	557	561	598
75	360	361	365	365	361	355	346	336	333	334	344	357	376	395	417	433	447	452	489
80	260	262	261	258	248	239	223	210	201	201	212	231	251	277	303	323	337	345	380
85	187	186	180	171	156	139	118	99.6	86.2	83.0	96.5	116	141	170	198	221	236	247	278
90	144	142	131	116	96.6	74.6	51.1	30.7	15.3	4.62	20.3	38.9	63.9	93.3	122	146	162	174	196
95	106	104	93.3	76.4	55.5	35.5	16.9	3.88	0.21	0.35	1.05	8.22	25.5	48.8	74.5	98.1	117	129	145
100	73.0	70.1	59.2	42.1	23.3	8.15	0.73	0.00	0.00	0.00	0.00	0.00	0.00	3.76	18.8	39.4	62.2	81.1	93.0
105	26.4	24.7	18.6	10.5	3.26	0.69	0.41	0.23	0.04	0.00	0.00	0.06	0.20	1.48	12.2	31.4	48.5	60.3	72.7
110	2.65	2.47	1.96	1.69	1.47	1.28	1.15	1.06	1.00	0.98	0.86	0.80	0.84	0.93	1.43	4.74	15.9	24.8	40.1
115	2.60	2.53	2.42	2.31	2.20	2.07	2.02	1.97	1.95	1.94	1.81	1.71	1.67	1.68	1.76	1.93	2.42	3.25	4.98
120	3.24	3.17	3.11	3.06	3.02	2.93	2.88	2.82	2.82	2.86	2.70	2.60	2.56	2.53	2.52	2.53	2.60	2.59	2.68
125	4.04	3.97	3.94	3.90	3.86	3.75	3.71	3.67	3.67	3.74	3.59	3.48	3.44	3.40	3.38	3.32	3.27	3.20	3.37
130	4.83	4.77	4.76	4.73	4.68	4.58	4.54	4.50	4.51	4.60	4.47	4.34	4.30	4.26	4.22	4.15	4.09	4.00	4.17
135	5.59	5.55	5.56	5.51	5.47	5.37	5.35	5.31	5.34	5.44	5.35	5.18	5.14	5.08	5.03	4.95	4.89	4.80	4.95
140	6.29	6.30	6.31	6.25	6.21	6.13	6.10	6.08	6.11	6.23	6.17	5.97	5.92	5.87	5.80	5.71	5.64	5.56	5.71
145	6.96	7.03	7.02	6.94	6.90	6.82	6.79	6.79	6.85	6.96	6.94	6.73	6.63	6.59	6.52	6.43	6.36	6.28	6.45
150	7.62	7.73	7.67	7.60	7.56	7.48	7.46	7.47	7.56	7.67	7.67	7.48	7.32	7.26	7.20	7.12	7.05	6.97	7.16
155	8.28	8.40	8.30	8.25	8.19	8.11	8.11	8.12	8.21	8.32	8.34	8.19	8.02	7.91	7.84	7.77	7.71	7.64	7.87
160	8.91	9.03	8.89	8.84	8.77	8.71	8.69	8.75	8.84	8.93	8.96	8.86	8.71	8.57	8.46	8.39	8.32	8.27	8.59
165	9.51	9.59	9.44	9.36	9.28	9.24	9.27	9.33	9.40	9.48	9.53	9.47	9.36	9.24	9.12	9.01	8.94	8.90	9.29
170	10.1	10.1	9.92	9.82	9.77	9.77	9.80	9.85	9.90	9.96	10.00	10.00	9.93	9.85	9.77	9.69	9.63	9.59	10.0
175	10.6	10.5	10.3	10.2	10.2	10.2	10.2	10.3	10.3	10.3	10.4	10.4	10.4	10.4	10.3	10.3	10.3	10.2	10.6
180	10.9	10.7	10.6	10.5	10.5	10.5	10.5	10.5	10.5	10.6	10.6	10.6	10.5	10.5	10.6	10.6	10.6	10.6	11.0

C Range: 0 - 360DEG  
C Interval: 10.0DEG  
Test Speed: MEDIUM  
Temperature:25.3DEG  
Operators:DAMIN  
Test Date:2016-05-17

γ Range: 0 - 180DEG  
γ Interval: 0.5DEG  
Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.351  
Humidity:65.0%  
Test Distance:4.950m [K=1.0000]  
Remarks:

## LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:24.06V I:1.703A P:40.98W PF:1.000 Lamp Flux:4644.22x1 lm																	
NAME: LED Strip									TYPE:Indoor lighting						WEIGHT:25g		
SPEC.:3528 060LED									DIM.: 1000*10*1MM						SERIAL No.:2016051701		
MFR.: Dilux									SUR.:1000*10mm						Shielding Angle:		

Table--2

UNIT: cd

C (DEG) γ (DEG)	190	200	210	220	230	240	250	260	270	280	290	300	310	320	330	340	350		
0	1389	1385	1381	1378	1380	1376	1377	1374	1376	1372	1376	1378	1380	1384	1382	1385	1384		
5	1389	1385	1380	1377	1377	1373	1374	1371	1372	1368	1372	1373	1375	1378	1376	1378	1376		
10	1380	1376	1370	1366	1366	1361	1362	1359	1360	1356	1359	1360	1361	1363	1360	1361	1359		
15	1362	1357	1352	1347	1345	1340	1341	1337	1338	1334	1337	1337	1338	1339	1335	1336	1333		
20	1335	1330	1323	1318	1316	1310	1311	1306	1307	1303	1305	1305	1306	1305	1301	1301	1297		
25	1298	1293	1286	1280	1277	1271	1271	1266	1267	1262	1264	1263	1265	1263	1258	1257	1252		
30	1252	1247	1239	1233	1228	1223	1222	1217	1217	1212	1214	1213	1214	1211	1205	1204	1199		
35	1197	1191	1183	1176	1170	1165	1162	1158	1157	1153	1155	1153	1155	1149	1144	1142	1136		
40	1133	1126	1118	1111	1103	1097	1094	1089	1088	1084	1086	1083	1084	1079	1074	1072	1065		
45	1060	1053	1044	1035	1026	1019	1015	1011	1009	1005	1007	1005	1004	1000	995	993	986		
50	980	972	962	952	940	932	928	923	920	917	918	917	915	912	909	907	900		
55	892	883	872	860	845	835	830	825	821	819	818	820	818	817	815	814	807		
60	797	788	775	761	743	730	722	716	711	710	709	712	712	715	714	714	707		
65	697	684	672	653	633	614	605	594	591	589	591	593	600	604	608	606	602		
70	591	577	564	542	518	494	480	467	460	458	464	471	482	491	498	496	493		
75	482	468	453	428	399	371	351	333	324	323	327	345	362	376	386	386	384		
80	372	359	342	315	280	249	223	202	189	188	200	223	244	264	276	282	281		
85	269	257	237	210	173	140	111	88.7	72.3	76.6	95.3	118	144	168	185	195	199		
90	189	176	156	129	94.5	63.6	36.6	17.3	2.32	13.7	29.3	51.7	77.0	104	125	141	149		
95	139	126	106	80.1	50.4	25.9	7.86	0.31	0.00	0.00	4.16	18.3	38.1	62.9	85.5	103	112		
100	101	89.4	69.0	44.9	20.7	4.33	0.00	0.00	0.00	0.00	1.57	11.2	30.2	51.8	69.4	78.4			
105	68.0	56.3	37.9	17.2	2.60	0.40	0.38	0.28	0.26	0.31	0.46	0.71	0.95	6.63	17.1	28.5	35.9		
110	33.7	22.6	9.62	2.48	1.13	1.10	1.19	1.13	1.25	1.26	1.30	1.49	1.58	1.71	1.87	3.18	5.55		
115	4.31	3.16	2.01	1.87	1.92	1.95	2.02	2.07	2.22	2.20	2.22	2.28	2.38	2.44	2.53	2.62	2.73		
120	2.64	2.63	2.65	2.68	2.80	2.85	2.90	2.96	3.12	3.07	3.08	3.15	3.20	3.27	3.29	3.32	3.44		
125	3.36	3.39	3.46	3.54	3.66	3.71	3.76	3.84	3.98	3.90	3.90	3.92	4.04	4.09	4.12	4.14	4.15		
130	4.16	4.20	4.28	4.36	4.49	4.54	4.59	4.70	4.81	4.71	4.72	4.71	4.79	4.86	4.89	4.94	4.96		
135	4.94	4.98	5.06	5.15	5.28	5.33	5.38	5.53	5.61	5.49	5.48	5.47	5.57	5.60	5.63	5.69	5.71		
140	5.69	5.73	5.81	5.89	6.02	6.08	6.14	6.32	6.37	6.24	6.21	6.18	6.29	6.32	6.36	6.41	6.42		
145	6.40	6.44	6.51	6.60	6.71	6.77	6.88	7.07	7.07	6.95	6.90	6.90	6.96	7.01	7.05	7.11	7.12		
150	7.09	7.13	7.18	7.27	7.38	7.45	7.61	7.77	7.75	7.63	7.57	7.57	7.61	7.67	7.71	7.77	7.79		
155	7.75	7.77	7.81	7.90	8.01	8.13	8.28	8.42	8.38	8.29	8.22	8.19	8.21	8.27	8.33	8.37	8.43		
160	8.37	8.39	8.42	8.51	8.64	8.79	8.92	9.01	8.98	8.89	8.83	8.78	8.77	8.83	8.89	8.92	9.01		
165	9.00	9.00	9.05	9.15	9.29	9.40	9.50	9.55	9.51	9.45	9.39	9.32	9.28	9.34	9.40	9.47	9.55		
170	9.69	9.67	9.69	9.77	9.87	9.94	10.00	10.0	9.97	9.93	9.87	9.81	9.80	9.82	9.85	9.93	10.0		
175	10.3	10.3	10.2	10.3	10.3	10.4	10.4	10.4	10.3	10.3	10.3	10.3	10.3	10.3	10.3	10.3	10.4		
180	10.7	10.6	10.5	10.5	10.5	10.5	10.6	10.6	10.6	10.6	10.6	10.6	10.6	10.6	10.6	10.6	10.7		

C Range: 0 - 360DEG  
C Interval: 10.0DEG  
Test Speed: MEDIUM  
Temperature:25.3DEG  
Operators:DAMIN  
Test Date:2016-05-17

γ Range: 0 - 180DEG  
γ Interval: 0.5DEG  
Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.351  
Humidity:65.0%  
Test Distance:4.950m [K=1.0000]  
Remarks: