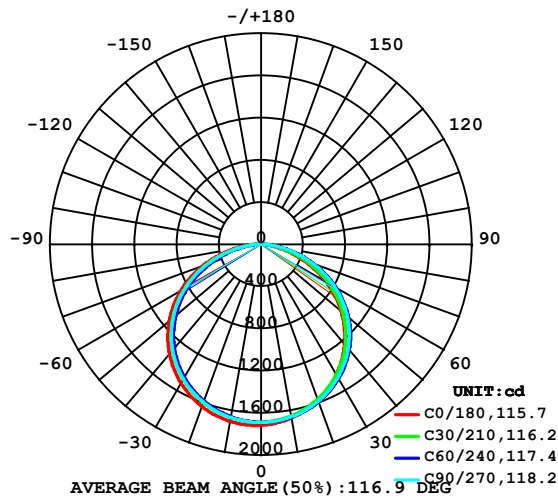


## LUMINAIRE PHOTOMETRIC TEST REPORT

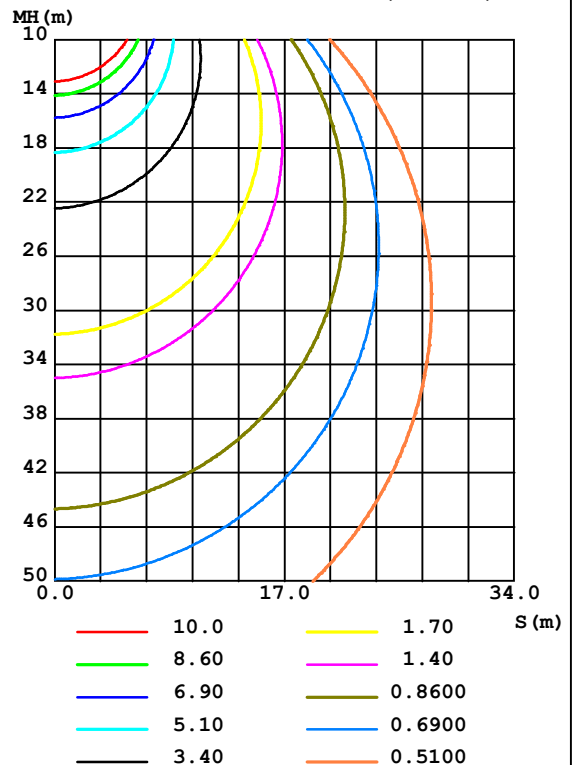
Test:U:23.99V I:2.493A P:59.79W PF:0.9999 Lamp Flux:3626.49x1 lm		
NAME: LED Strip	TYPE:Indoor lighting	WEIGHT:
SPEC.:2835 180LED	DIM.: 1000*8*1MM	SERIAL No.:20160806001
MFR.: Dilux	SUR.:1000*8mm	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 85.01 lm/W			
MODEL	WW-LFST29XX180B-24	Imax(cd)	1718	S/MH(C0/180)	1.32
NOMINAL POWER(W)	58.9	LOR(%)	140.2	S/MH(C90/270)	1.30
RATED VOLTAGE(V)	DC 24	TOTAL FLUX(lm)	5082.6	$\eta$ UP,DN(C0-180)	0.4,67.6
NOMINAL FLUX(lm)	3626.49	CIE CLASS	DIRECT	$\eta$ UP,DN(C180-360)	0.4,71.7
LAMPS INSIDE	1	$\eta$ up(%)	0.8	CIBSE SHR NOM	1.25
TEST VOLTAGE(V)	24	$\eta$ down(%)	139.3	CIBSE SHR MAX	1.35

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:2016-08-06

$\gamma$  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:

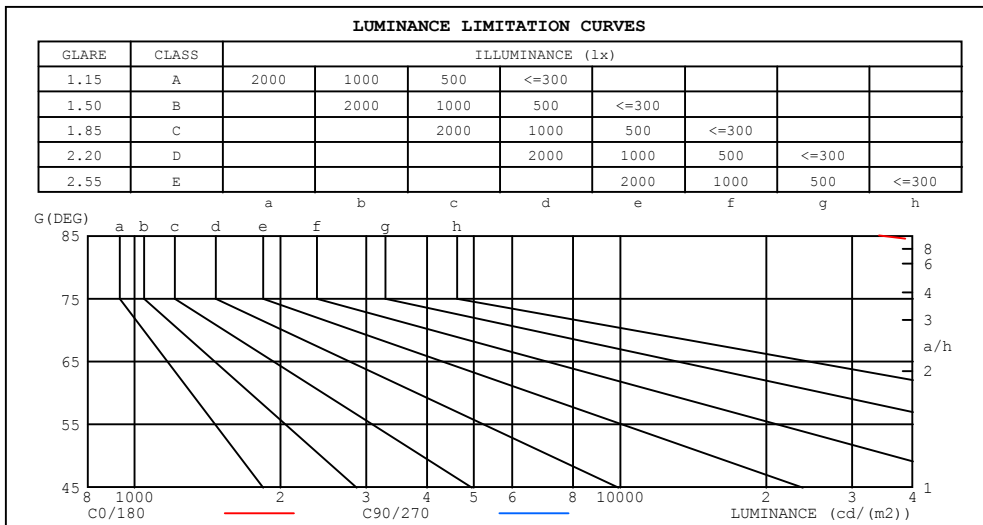
$\gamma$	C0	C45	C90	C135	C180	C225	C270	C315	$\gamma$	$\Phi$ zone	$\Phi$ total	%lum,lamp
5	1701	1682	1681	1686	1717	1683	1684	1696	0- 5	40.40	40.40	0.79,1.11
10	1672	1663	1661	1663	1704	1664	1667	1681	5- 10	120.0	160.4	3.16,4.42
15	1631	1630	1628	1626	1678	1633	1638	1654	10- 15	195.9	356.2	7.01,9.82
20	1576	1585	1584	1577	1639	1589	1596	1613	15- 20	265.8	622.0	12.2,17.2
25	1508	1528	1528	1517	1586	1532	1542	1560	20- 25	327.6	949.6	18.7,26.2
30	1429	1459	1460	1444	1521	1463	1476	1495	25- 30	379.3	1329	26.1,36.6
35	1336	1377	1380	1359	1444	1382	1398	1417	30- 35	419.2	1748	34.4,48.2
40	1233	1283	1288	1262	1354	1288	1308	1327	35- 40	445.9	2194	43.2,60.5
45	1118	1176	1185	1153	1253	1183	1205	1223	40- 45	458.1	2652	52.2,73.1
50	993.1	1058	1071	1033	1140	1068	1092	1109	45- 50	455.1	3107	61.1,85.7
55	857.0	930.5	944.5	901.8	1015	940.4	966.2	983.1	50- 55	436.8	3544	69.7,97.7
60	712.1	794.5	808.5	761.6	880.5	803.3	829.8	847.3	55- 60	403.1	3947	77.7,109
65	559.9	648.1	660.1	611.0	736.9	654.8	683.4	700.3	60- 65	354.7	4302	84.6,119
70	403.9	496.2	507.2	455.7	582.2	500.9	528.5	545.0	65- 70	292.8	4595	90.4,127
75	249.3	341.9	351.7	299.8	426.4	344.8	370.3	388.4	70- 75	221.1	4816	94.8,133
80	113.9	194.0	202.0	155.7	271.4	195.3	215.4	233.9	75- 80	144.1	4960	97.6,137
85	23.75	73.73	77.48	46.31	131.2	73.95	85.27	100.6	80- 85	71.78	5032	99,139
90	1.433	12.17	4.866	4.401	31.13	10.86	2.900	18.91	85- 90	20.41	5052	99.4,139
95	0	0.3668	0.6239	0	0.3757	0.3361	0.0944	0.8018	90- 95	1.916	5054	99.4,139
100	0	0	0	0	0	0	0	0	95-100	0.0241	5054	99.4,139
105	0.7022	0.3436	0.8164	0.6724	0	0.5717	0.8508	0.2504	100-105	0.0837	5054	99.4,139
110	1.828	1.452	2.022	1.832	0.8091	1.719	2.037	1.355	105-110	0.5426	5055	99.5,139
115	2.975	2.584	3.208	2.984	1.965	2.875	3.202	2.474	110-115	1.100	5056	99.5,139
120	4.102	3.693	4.338	4.108	3.106	3.999	4.313	3.572	115-120	1.605	5057	99.5,139
125	5.208	4.786	5.426	5.203	4.225	5.083	5.378	4.638	120-125	2.032	5060	99.5,140
130	6.303	5.880	6.513	6.286	5.317	6.138	6.425	5.686	125-130	2.381	5062	99.6,140
135	7.360	6.945	7.570	7.332	6.393	7.150	7.436	6.719	130-135	2.640	5065	99.6,140
140	8.350	7.960	8.552	8.310	7.447	8.112	8.402	7.731	135-140	2.799	5067	99.7,140
145	9.276	8.916	9.472	9.215	8.462	9.013	9.318	8.695	140-145	2.846	5070	99.8,140
150	10.18	9.814	10.33	10.06	9.439	9.859	10.19	9.616	145-150	2.782	5073	99.8,140
155	11.06	10.67	11.15	10.86	10.41	10.66	11.01	10.48	150-155	2.611	5076	99.9,140
160	11.88	11.45	11.91	11.65	11.36	11.46	11.78	11.28	155-160	2.337	5078	99.9,140
165	12.66	12.16	12.59	12.44	12.25	12.26	12.48	12.02	160-165	1.964	5080	99.9,140
170	13.45	12.83	13.16	13.15	13.21	12.99	13.08	12.71	165-170	1.499	5081	100,140
175	14.03	13.40	13.63	13.68	13.94	13.57	13.57	13.34	170-175	0.9487	5082	100,140
180	14.37	13.79	13.87	13.82	14.42	13.80	13.86	13.81	175-180	0.3276	5083	100,140
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

C Range: 0 - 360DEG  
 C Interval: 10.0DEG  
 Test Speed: MEDIUM  
 Temperature:25.3DEG  
 Operators:DAMIN  
 Test Date:2016-08-06

$\gamma$  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:23.99V I:2.493A P:59.79W PF:0.9999 Lamp Flux:3626.49x1 lm		
NAME: LED Strip	TYPE:Indoor lighting	WEIGHT:
SPEC.:2835 180LED	DIM.: 1000*8*1MM	SERIAL No.:20160806001
MFR.: Dilux	SUR.:1000*8mm	Shielding Angle:



LUMINANCE cd/(m2)		
G (DEG)	C0/180	C90/270
85	34069	111125
80	81994	145445
75	120391	169838
70	147623	185381
65	165614	195246
60	178031	202133
55	186769	205829
50	193126	208176
45	197699	209509

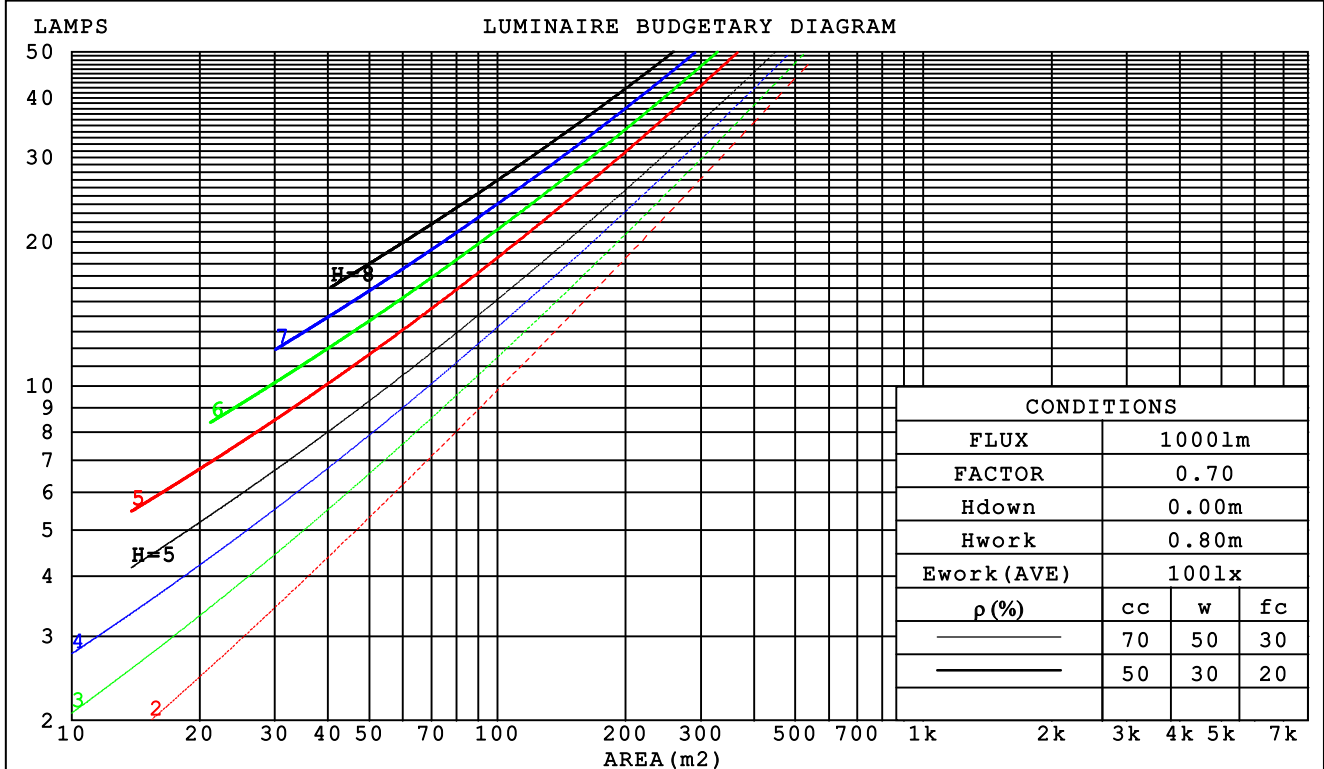
C Range: 0 - 360DEG  
C Interval: 10.0DEG  
Test Speed: MEDIUM  
Temperature:25.3DEG  
Operators:DAMIN  
Test Date:2016-08-06

$\gamma$  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:23.99V I:2.493A P:59.79W PF:0.9999 Lamp Flux:3626.49x1 lm		
NAME: LED Strip	TYPE:Indoor lighting	WEIGHT:
SPEC.:2835 180LED	DIM.: 1000*8*1MM	SERIAL No.:20160806001
MFR.: Dilux	SUR.:1000*8mm	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:2016-08-06

$\gamma$  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:23.99V I:2.493A P:59.79W PF:0.9999 Lamp Flux:3626.49x1 lm					
NAME: LED Strip			TYPE:Indoor lighting		WEIGHT:
SPEC.:2835 180LED			DIM.: 1000*8*1MM		SERIAL No.:20160806001
MFR.: Dilux			SUR.:1000*8mm		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	.438	.249	.079	.427	.244	.077	.408	.234	.075	.391	.225	.072	.375	.217	.070		
2.0	.412	.226	.069	.404	.222	.068	.387	.215	.067	.371	.208	.065	.357	.202	.064		
3.0	.382	.203	.061	.374	.200	.060	.359	.194	.059	.345	.189	.058	.332	.184	.057		
4.0	.352	.183	.054	.345	.181	.053	.332	.176	.053	.320	.172	.052	.308	.167	.051		
5.0	.325	.166	.048	.319	.164	.048	.307	.160	.047	.296	.156	.047	.286	.153	.046		
6.0	.302	.151	.043	.296	.150	.043	.286	.146	.043	.276	.143	.042	.266	.140	.042		
7.0	.281	.139	.039	.276	.137	.039	.266	.135	.039	.257	.132	.038	.249	.129	.038		
8.0	.262	.128	.036	.257	.127	.036	.249	.124	.036	.241	.122	.035	.234	.120	.035		
9.0	.245	.119	.033	.241	.118	.033	.234	.116	.033	.227	.114	.033	.220	.112	.032		
10.0	.231	.111	.031	.227	.110	.031	.220	.108	.030	.214	.106	.030	.208	.104	.030		

$\rho_{cc}$	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	.273	.273	.273	.234	.234	.234	.159	.159	.159	.092	.092	.092	.029	.029	.029	
1.0	.259	.225	.194	.222	.193	.167	.152	.133	.116	.087	.077	.067	.028	.025	.022	
2.0	.248	.191	.143	.213	.165	.124	.146	.114	.086	.084	.066	.051	.027	.021	.017	
3.0	.238	.167	.110	.204	.144	.096	.140	.100	.067	.081	.058	.039	.026	.019	.013	
4.0	.227	.148	.088	.195	.128	.076	.134	.089	.054	.078	.052	.032	.025	.017	.010	
5.0	.217	.134	.072	.186	.116	.063	.128	.081	.044	.074	.047	.026	.024	.015	.009	
6.0	.207	.122	.061	.178	.106	.053	.123	.074	.038	.071	.043	.022	.023	.014	.007	
7.0	.197	.112	.053	.170	.097	.046	.117	.068	.033	.068	.040	.019	.022	.013	.006	
8.0	.188	.104	.047	.162	.090	.041	.112	.063	.029	.065	.037	.017	.021	.012	.006	
9.0	.179	.097	.042	.155	.084	.036	.107	.059	.026	.062	.035	.015	.020	.012	.005	
10.0	.171	.091	.038	.148	.079	.033	.103	.056	.024	.060	.033	.014	.019	.011	.005	

C Range: 0 - 360DEG  
C Interval: 10.0DEG  
Test Speed: MEDIUM  
Temperature:25.3DEG  
Operators:DAMIN  
Test Date:2016-08-06

$\gamma$  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:23.99V I:2.493A P:59.79W PF:0.9999 Lamp Flux:3626.49x1 lm										
NAME: LED Strip					TYPE:Indoor lighting			WEIGHT:		
SPEC.:2835 180LED					DIM.: 1000*8*1MM			SERIAL No.:20160806001		
MFR.: Dilux					SUR.:1000*8mm			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	30.8	32.4	31.1	32.6	32.8	31.5	33.1	31.8	33.3	33.5
3H	32.1	33.5	32.4	33.8	34.0	33.1	34.5	33.4	34.8	35.0
4H	32.5	33.9	32.9	34.2	34.4	33.7	35.1	34.0	35.3	35.6
6H	32.7	34.0	33.1	34.3	34.6	34.1	35.4	34.5	35.7	36.0
8H	32.7	34.0	33.1	34.3	34.6	34.2	35.5	34.6	35.7	36.1
12H	32.7	33.9	33.1	34.2	34.5	34.3	35.5	34.6	35.8	36.1
4H 2H	31.6	32.9	31.9	33.2	33.4	32.1	33.5	32.4	33.7	34.0
3H	33.0	34.2	33.4	34.5	34.8	33.9	35.1	34.3	35.4	35.7
4H	33.5	34.6	33.9	34.9	35.3	34.7	35.7	35.0	36.1	36.4
6H	33.8	34.8	34.2	35.1	35.5	35.2	36.1	35.6	36.5	36.9
8H	33.8	34.7	34.3	35.1	35.5	35.3	36.2	35.8	36.6	37.0
12H	33.8	34.6	34.3	35.0	35.5	35.4	36.3	35.9	36.6	37.1
8H 4H	33.9	34.8	34.3	35.1	35.5	34.9	35.8	35.3	36.2	36.6
6H	34.3	35.0	34.7	35.4	35.9	35.6	36.3	36.0	36.7	37.2
8H	34.3	35.0	34.8	35.4	35.9	35.8	36.5	36.3	36.9	37.4
12H	34.3	34.9	34.8	35.4	35.9	36.0	36.5	36.5	37.0	37.5
12H 4H	33.9	34.7	34.4	35.1	35.5	34.9	35.7	35.3	36.1	36.5
6H	34.3	35.0	34.8	35.4	35.9	35.6	36.3	36.1	36.7	37.2
8H	34.4	35.0	34.9	35.5	36.0	35.9	36.5	36.4	36.9	37.4
Variations with the observer position at spacings:										
S = 1.0H	+ 0.2 / - 0.2					+ 0.2 / - 0.2				
1.5H	+ 0.2 / - 0.4					+ 0.2 / - 0.3				
2.0H	+ 0.2 / - 0.3					+ 0.2 / - 0.4				

CIE Pub.117 Corrected 3626 lm Total Lamp Luminous Flux. (8log(F/F0) = 4.5)

C Range: 0 - 360DEG  
 C Interval: 10.0DEG  
 Test Speed: MEDIUM  
 Temperature:25.3DEG  
 Operators:DAMIN  
 Test Date:2016-08-06

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:23.99V I:2.493A P:59.79W PF:0.9999 Lamp Flux:3626.49x1 lm		
NAME: LED Strip	TYPE:Indoor lighting	WEIGHT:
SPEC.:2835 180LED	DIM.: 1000*8*1MM	SERIAL No.:20160806001
MFR.: Dilux	SUR.:1000*8mm	Shielding Angle:

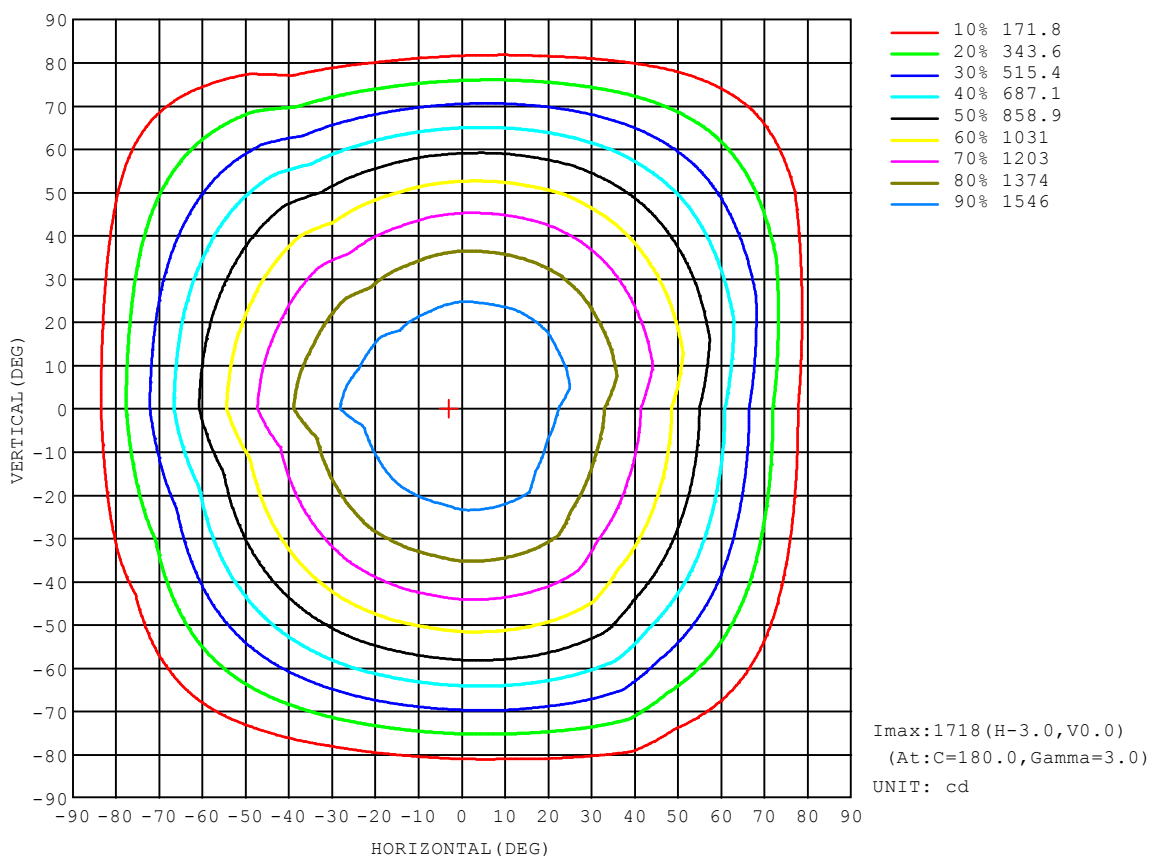
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS (PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	79	63	53	78	63	53	77	62	53	43
0.80	94	77	67	92	76	66	89	75	66	56
1.00	105	90	79	104	89	79	100	91	78	68
1.25	115	101	90	113	99	90	109	97	89	78
1.50	123	108	99	120	107	98	116	105	96	85
2.00	132	120	111	130	118	110	125	115	108	96
2.50	138	127	118	135	125	117	129	121	114	102
3.00	143	133	125	140	131	124	134	126	120	108
4.00	148	140	134	145	138	132	139	133	128	115
5.00	152	145	139	148	142	137	142	137	133	119
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:2016-08-06

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:

## ISOCANDELA DIAGRAM

Test:U:23.99V I:2.493A P:59.79W PF:0.9999 Lamp Flux:3626.49x1 lm		
NAME: LED Strip	TYPE:Indoor lighting	WEIGHT:
SPEC.:2835 180LED	DIM.: 1000*8*1MM	SERIAL No.:20160806001
MFR.: Dilux	SUR.:1000*8mm	Shielding Angle:



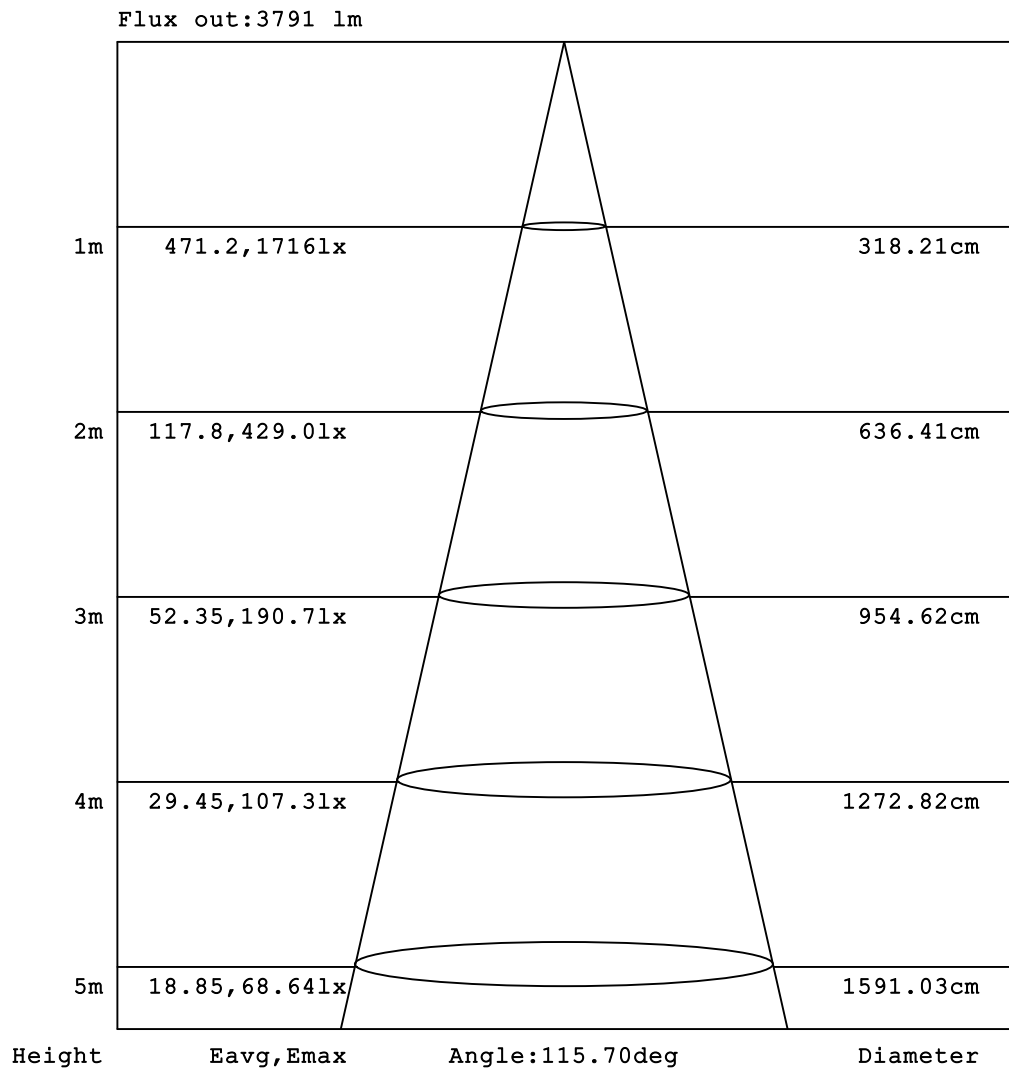
C Range: 0 - 360DEG  
C Interval: 10.0DEG  
Test Speed: MEDIUM  
Temperature:25.3DEG  
Operators:DAMIN  
Test Date:2016-08-06

$\gamma$  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:23.99V I:2.493A P:59.79W PF:0.9999 Lamp Flux:3626.49x1 lm		
NAME: LED Strip	TYPE:Indoor lighting	WEIGHT:
SPEC.:2835 180LED	DIM.: 1000*8*1MM	SERIAL No.:20160806001
MFR.: Dilux	SUR.:1000*8mm	Shielding Angle:



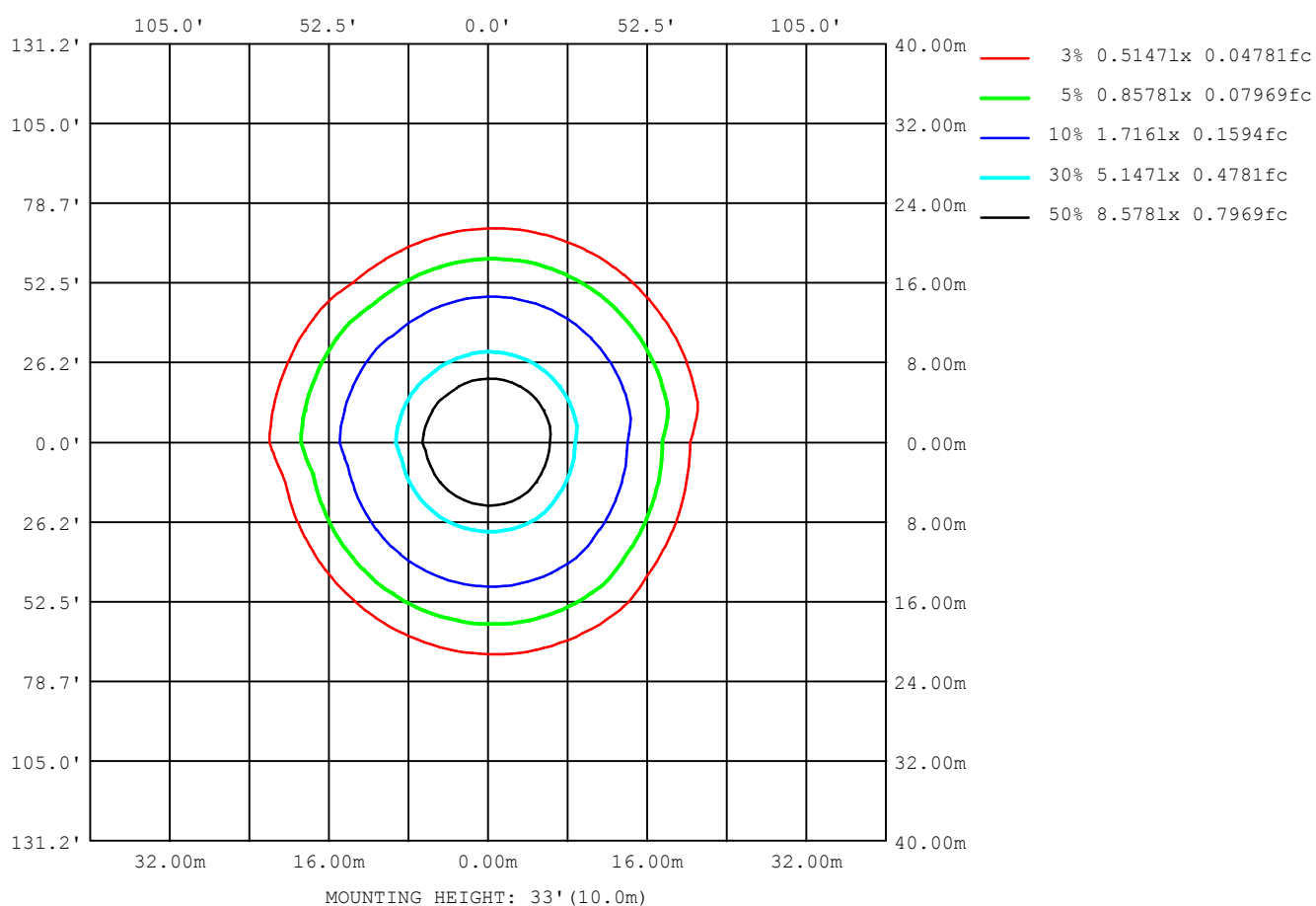
Note: The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG  
 C Interval: 10.0DEG  
 Test Speed: MEDIUM  
 Temperature: 25.3DEG  
 Operators: DAMIN  
 Test Date: 2016-08-06

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:

## ISOLUX DIAGRAM

Test:U:23.99V I:2.493A P:59.79W PF:0.9999 Lamp Flux:3626.49x1 lm		
NAME: LED Strip	TYPE:Indoor lighting	WEIGHT:
SPEC.:2835 180LED	DIM.: 1000*8*1MM	SERIAL No.:20160806001
MFR.: Dilux	SUR.:1000*8mm	Shielding Angle:



C Range: 0 - 360DEG  
C Interval: 10.0DEG  
Test Speed: MEDIUM  
Temperature:25.3DEG  
Operators:DAMIN  
Test Date:2016-08-06

$\gamma$  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:23.99V I:2.493A P:59.79W PF:0.9999 Lamp Flux:3626.49x1 lm		
NAME: LED Strip	TYPE:Indoor lighting	WEIGHT:
SPEC.:2835 180LED	DIM.: 1000*8*1MM	SERIAL No.:20160806001
MFR.: Dilux	SUR.:1000*8mm	Shielding Angle:

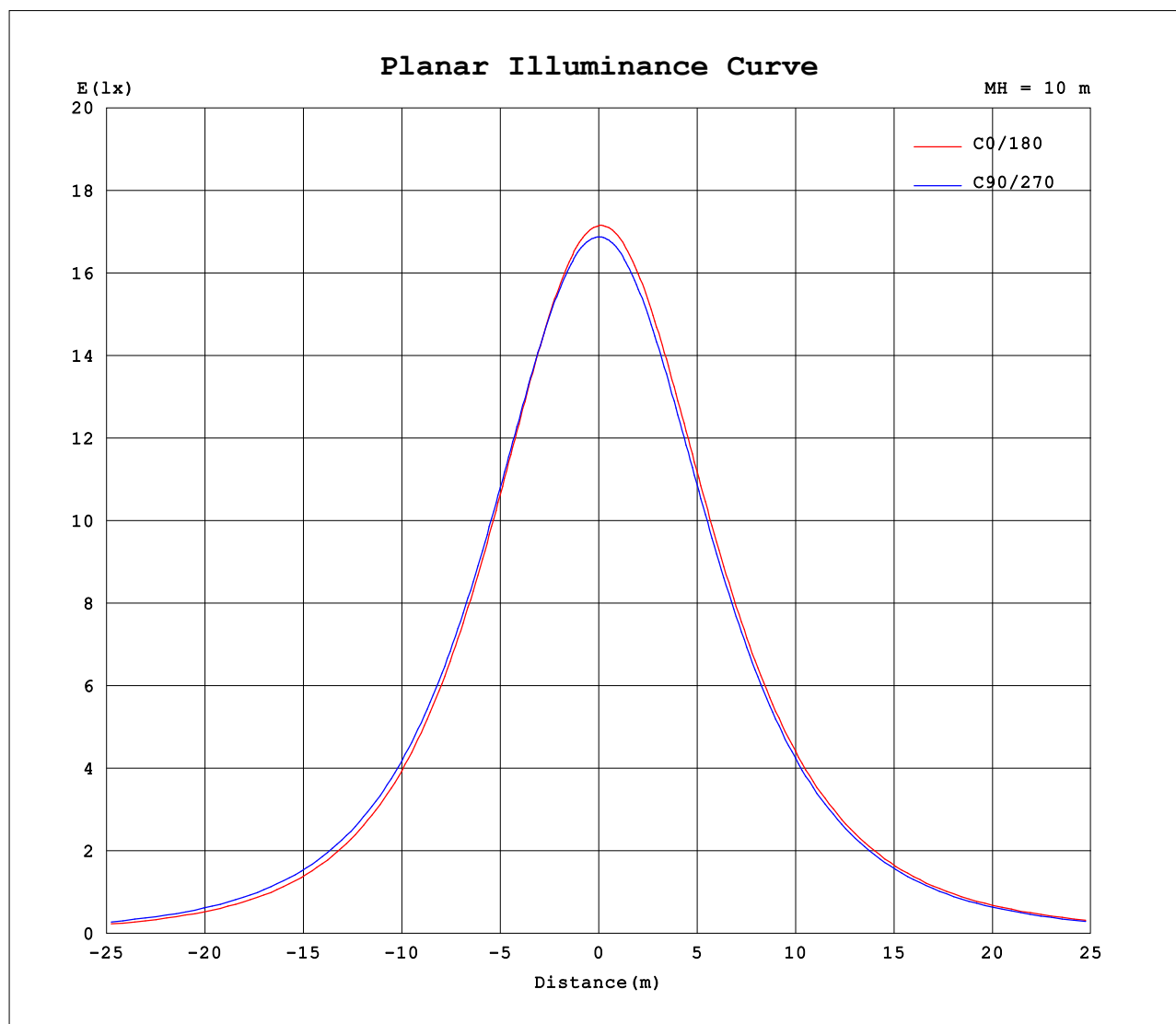
AvgL	cd/m2
L_0~180 (65) av	191779
L_0~180 (75) av	163152
L_0~180 (85) av	111094
L_90~270 (65) av	198695
L_90~270 (75) av	174343
L_90~270 (85) av	116708
L_45 (65) av	193286
L_45 (75) av	165985
L_45 (85) av	105587

Standard: GB/T 29293-2012

C Range: 0 - 360DEG  
C Interval: 10.0DEG  
Test Speed: MEDIUM  
Temperature:25.3DEG  
Operators:DAMIN  
Test Date:2016-08-06

$\gamma$  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: 2016-08-06

$\gamma$  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:23.99V I:2.493A P:59.79W PF:0.9999 Lamp Flux:3626.49x1 lm		
NAME: LED Strip	TYPE:Indoor lighting	WEIGHT:
SPEC.:2835 180LED	DIM.: 1000*8*1MM	SERIAL No.:20160806001
MFR.: Dilux	SUR.:1000*8mm	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	1716	1703	1686	1686	1688	1691	1687	1685	1687	1688	1682	1685	1692	1694	1700	1698	1700	1702	1716
5	1701	1689	1674	1676	1678	1687	1682	1679	1680	1681	1673	1676	1682	1684	1689	1687	1689	1692	1717
10	1672	1661	1648	1652	1656	1669	1664	1661	1661	1661	1653	1654	1659	1660	1665	1662	1664	1668	1704
15	1631	1620	1609	1615	1620	1639	1634	1631	1630	1628	1619	1620	1623	1625	1627	1625	1627	1631	1678
20	1576	1566	1558	1565	1573	1597	1592	1589	1586	1584	1574	1574	1576	1577	1578	1575	1578	1581	1639
25	1508	1500	1494	1503	1513	1543	1538	1534	1531	1528	1517	1516	1516	1518	1515	1513	1515	1520	1586
30	1429	1422	1419	1429	1441	1476	1472	1468	1464	1460	1449	1446	1444	1446	1441	1439	1441	1446	1521
35	1336	1332	1331	1343	1357	1397	1395	1389	1385	1380	1368	1364	1361	1363	1356	1353	1354	1359	1444
40	1233	1230	1231	1245	1261	1305	1305	1299	1294	1288	1276	1271	1266	1266	1258	1255	1255	1261	1354
45	1118	1117	1120	1135	1152	1201	1203	1197	1191	1185	1172	1167	1160	1157	1149	1145	1146	1151	1253
50	993	993	997	1013	1032	1085	1087	1084	1078	1071	1057	1051	1044	1037	1029	1025	1025	1030	1140
55	857	858	865	882	903	958	961	959	953	944	931	922	916	906	898	894	894	898	1015
60	712	714	723	742	765	824	824	824	818	809	795	785	776	766	757	753	754	758	881
65	560	560	574	593	619	678	679	676	672	660	649	636	627	614	608	602	605	607	737
70	404	407	422	440	466	527	527	521	518	507	496	483	471	459	453	448	450	453	582
75	249	256	270	288	311	373	371	365	360	352	340	326	314	303	296	294	294	299	426
80	114	120	133	149	166	222	219	214	207	202	190	179	166	159	153	152	151	157	271
85	23.8	27.3	34.7	44.0	54.3	93.2	90.0	86.7	80.0	77.5	70.3	61.0	52.6	48.4	44.3	43.6	43.3	46.4	131
90	1.43	1.88	2.98	4.65	6.75	17.6	15.9	13.3	9.99	4.87	7.37	6.03	5.45	4.94	3.87	3.25	2.53	2.25	31.1
95	0.00	0.00	0.00	0.00	0.00	0.73	0.03	0.18	0.42	0.62	0.57	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.38
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	0.70	0.66	0.54	0.51	0.50	0.18	0.54	0.58	0.69	0.82	0.84	0.82	0.80	0.72	0.63	0.50	0.38	0.27	0.00
110	1.83	1.77	1.64	1.62	1.63	1.28	1.50	1.67	1.85	2.02	2.02	1.99	1.96	1.88	1.78	1.64	1.51	1.38	0.81
115	2.98	2.90	2.76	2.75	2.77	2.40	2.59	2.78	3.01	3.21	3.18	3.13	3.12	3.03	2.94	2.79	2.66	2.52	1.96
120	4.10	4.02	3.87	3.88	3.88	3.50	3.69	3.86	4.09	4.34	4.30	4.24	4.23	4.15	4.07	3.92	3.80	3.65	3.11
125	5.21	5.11	4.98	4.97	4.99	4.59	4.77	4.92	5.16	5.43	5.39	5.31	5.32	5.24	5.17	5.02	4.90	4.76	4.22
130	6.30	6.20	6.09	6.07	6.08	5.68	5.85	5.99	6.23	6.51	6.50	6.38	6.39	6.31	6.26	6.12	6.00	5.86	5.32
135	7.36	7.28	7.16	7.15	7.15	6.74	6.90	7.03	7.28	7.57	7.58	7.42	7.43	7.35	7.31	7.18	7.07	6.93	6.39
140	8.35	8.32	8.19	8.17	8.15	7.77	7.91	8.02	8.27	8.55	8.60	8.41	8.40	8.33	8.29	8.17	8.07	7.94	7.45
145	9.28	9.31	9.18	9.12	9.10	8.73	8.85	8.96	9.20	9.47	9.54	9.35	9.30	9.23	9.20	9.09	9.00	8.88	8.46
150	10.2	10.2	10.1	10.0	9.99	9.64	9.74	9.83	10.1	10.3	10.4	10.3	10.2	10.1	10.1	9.95	9.87	9.77	9.44
155	11.1	11.1	10.9	10.9	10.8	10.5	10.6	10.7	10.9	11.1	11.2	11.1	11.0	10.9	10.8	10.7	10.7	10.6	10.4
160	11.9	12.0	11.7	11.6	11.6	11.3	11.4	11.5	11.7	11.9	12.0	11.9	11.8	11.7	11.6	11.5	11.4	11.4	11.4
165	12.7	12.7	12.4	12.3	12.3	12.1	12.1	12.2	12.4	12.6	12.7	12.6	12.6	12.5	12.4	12.3	12.2	12.2	12.3
170	13.5	13.3	13.1	12.9	12.9	12.8	12.8	12.9	13.1	13.2	13.2	13.2	13.2	13.2	13.1	13.0	13.0	13.0	13.2
175	14.0	13.9	13.5	13.5	13.4	13.4	13.4	13.5	13.6	13.6	13.6	13.6	13.7	13.7	13.7	13.6	13.6	13.7	13.9
180	14.4	14.1	13.8	13.8	13.8	13.8	13.8	13.8	13.9	13.9	13.8	13.8	13.8	13.8	13.8	13.8	13.9	13.9	14.4

C Range: 0 - 360DEG  
C Interval: 10.0DEG  
Test Speed: MEDIUM  
Temperature:25.3DEG  
Operators:DAMIN  
Test Date:2016-08-06

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:23.99V I:2.493A P:59.79W PF:0.9999 Lamp Flux:3626.49x1 lm		
NAME: LED Strip	TYPE:Indoor lighting	WEIGHT:
SPEC.:2835 180LED	DIM.: 1000*8*1MM	SERIAL No.:20160806001
MFR.: Dilux	SUR.:1000*8mm	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	1703	1686	1686	1688	1691	1687	1685	1687	1688	1682	1685	1692	1694	1700	1698	1700	1702		
5	1703	1685	1684	1684	1682	1680	1678	1682	1684	1679	1682	1690	1692	1699	1696	1698	1698		
10	1690	1671	1668	1668	1660	1660	1659	1664	1667	1664	1667	1676	1678	1685	1680	1682	1681		
15	1664	1644	1641	1639	1626	1627	1627	1633	1638	1635	1639	1648	1650	1657	1651	1653	1651		
20	1624	1603	1600	1598	1580	1582	1584	1591	1596	1595	1599	1608	1611	1616	1609	1610	1607		
25	1572	1551	1547	1544	1521	1525	1528	1536	1542	1543	1547	1555	1559	1562	1555	1555	1551		
30	1507	1486	1481	1477	1449	1456	1459	1469	1476	1478	1483	1490	1494	1496	1488	1487	1482		
35	1429	1408	1402	1398	1366	1375	1378	1390	1398	1401	1406	1413	1418	1417	1409	1407	1401		
40	1339	1319	1312	1307	1270	1281	1285	1299	1308	1312	1318	1325	1328	1325	1317	1313	1308		
45	1238	1218	1210	1204	1163	1175	1181	1196	1205	1212	1218	1225	1225	1222	1213	1208	1203		
50	1125	1106	1096	1090	1045	1057	1066	1082	1092	1100	1106	1114	1111	1107	1099	1094	1087		
55	1002	982	972	965	916	929	939	956	966	976	981	991	985	981	973	968	960		
60	868	849	837	829	777	790	802	819	830	841	845	854	849	846	838	833	823		
65	725	707	693	680	629	639	653	668	683	694	700	705	703	698	695	686	678		
70	574	553	542	528	474	484	497	513	528	539	545	547	547	543	541	532	526		
75	419	399	387	372	318	327	340	355	370	381	385	387	390	387	384	378	370		
80	264	247	234	221	170	179	188	203	215	225	228	232	234	234	230	227	219		
85	125	113	102	92.0	55.9	61.4	66.8	77.0	85.3	91.6	94.3	98.8	100	101	98.5	95.8	89.7		
90	28.5	23.4	19.1	15.7	6.03	6.64	6.23	6.35	2.90	9.85	13.3	17.5	18.6	19.3	17.9	16.8	14.3		
95	0.43	0.67	0.89	0.67	0.00	0.00	0.00	0.03	0.09	0.00	0.00	0.00	0.44	1.17	1.38	1.29	0.88		
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		
105	0.00	0.00	0.06	0.29	0.85	0.90	0.91	0.89	0.85	0.69	0.56	0.43	0.31	0.19	0.13	0.10	0.11		
110	0.82	0.95	1.17	1.43	2.01	2.06	2.07	2.05	2.04	1.84	1.69	1.54	1.41	1.30	1.23	1.19	1.21		
115	1.98	2.10	2.32	2.59	3.16	3.20	3.21	3.20	3.20	2.98	2.81	2.67	2.53	2.42	2.34	2.31	2.33		
120	3.12	3.22	3.46	3.72	4.27	4.31	4.30	4.30	4.31	4.07	3.89	3.75	3.63	3.52	3.45	3.41	3.43		
125	4.23	4.33	4.56	4.82	5.35	5.37	5.36	5.38	5.38	5.11	4.93	4.80	4.68	4.59	4.54	4.50	4.53		
130	5.33	5.41	5.64	5.88	6.39	6.40	6.38	6.46	6.43	6.14	5.95	5.83	5.73	5.64	5.61	5.59	5.59		
135	6.39	6.46	6.67	6.91	7.39	7.40	7.38	7.50	7.44	7.15	6.96	6.84	6.76	6.68	6.66	6.65	6.65		
140	7.44	7.47	7.67	7.89	8.33	8.34	8.34	8.50	8.40	8.12	7.93	7.81	7.76	7.70	7.69	7.69	7.71		
145	8.44	8.44	8.61	8.82	9.21	9.23	9.28	9.44	9.32	9.04	8.86	8.75	8.71	8.68	8.67	8.71	8.74		
150	9.38	9.36	9.50	9.69	10.0	10.1	10.2	10.3	10.2	9.94	9.75	9.65	9.62	9.61	9.62	9.66	9.70		
155	10.3	10.2	10.3	10.5	10.8	10.9	11.0	11.1	11.0	10.8	10.6	10.5	10.5	10.5	10.5	10.6	10.6		
160	11.1	11.0	11.1	11.3	11.6	11.8	11.8	11.9	11.8	11.6	11.4	11.3	11.3	11.3	11.3	11.4	11.5		
165	11.9	11.8	11.9	12.1	12.4	12.5	12.6	12.6	12.5	12.3	12.2	12.1	12.0	12.0	12.1	12.2	12.3		
170	12.8	12.6	12.7	12.9	13.1	13.2	13.1	13.2	13.1	13.0	12.8	12.8	12.7	12.7	12.7	12.9	13.0		
175	13.6	13.4	13.4	13.5	13.6	13.6	13.6	13.6	13.6	13.5	13.4	13.4	13.3	13.3	13.4	13.4	13.5		
180	14.1	13.9	13.8	13.8	13.8	13.8	13.8	13.9	13.9	13.8	13.8	13.8	13.8	13.8	13.8	13.9	13.9		

C Range: 0 - 360DEG  
C Interval: 10.0DEG  
Test Speed: MEDIUM  
Temperature:25.3DEG  
Operators:DAMIN  
Test Date:2016-08-06

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: