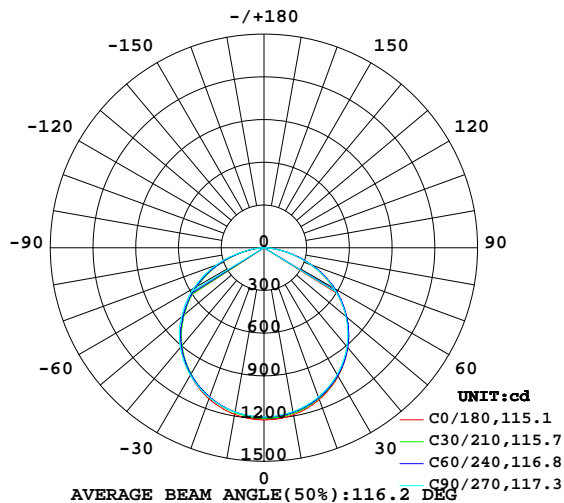


LUMINAIRE PHOTOMETRIC TEST REPORT

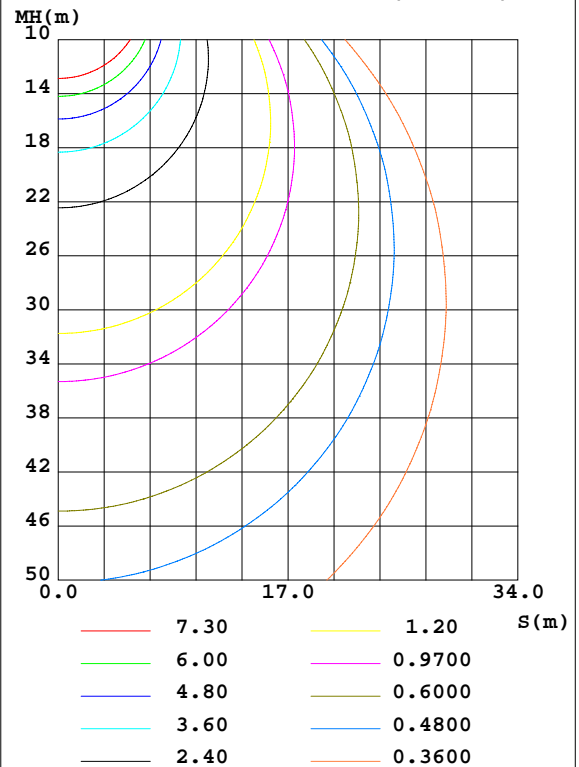
Test:U:24.03V I:1.038A P:24.95W PF:1.000 Freq:0Hz Lamp Flux:3540.21x1 lm		
NAME: LED Strip	TYPE:Indoor lighting	WEIGHT:
SPEC.:2835 160LED	DIM.: 1000*12*1MM	SERIAL No.:20170508004
MFR.: EVERFINE	SUR.:1000*12mm	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 141.91 lm/W			
MODEL	160B-24(WCP)-HR-HE	Imax(cd)	1209	S/MH(C0/180)	1.27
NOMINAL POWER(W)	25.82	LOR(%)	100.0	S/MH(C90/270)	1.29
RATED VOLTAGE(V)	DC 24	TOTAL FLUX(lm)	3540.2	η UP,DN(C0-180)	0.1,49.8
NOMINAL FLUX(lm)	3540.21	CIE CLASS	DIRECT	η UP,DN(C180-360)	0.1,49.9
LAMPS INSIDE	1	η up(%)	0.3	CIBSE SHR NOM	1.25
TEST VOLTAGE(V)	24	η down(%)	99.7	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:2017-05-08

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.362
 Humidity:65.0%
 Test Distance:4.950m [K=1.0000]
 Remarks:

ZONAL FLUX DIAGRAM

ZONAL FLUX DIAGRAM:

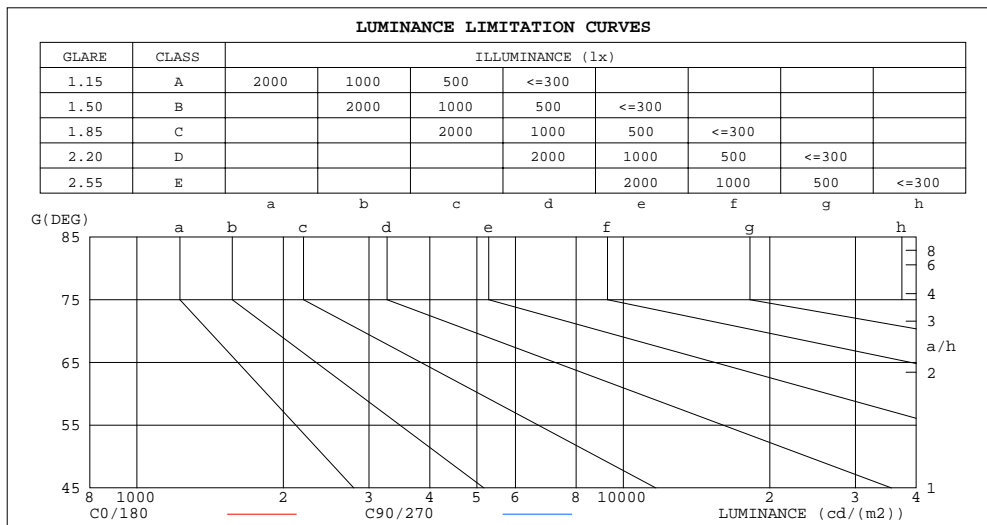
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	$\%lum, lamp$
10	1191	1178	1169	1173	1188	1172	1171	1180	0- 10	113.2	113.2	3.2,3.2
20	1135	1126	1115	1115	1129	1115	1120	1128	10- 20	325.7	438.8	12.4,12.4
30	1042	1039	1027	1021	1033	1022	1034	1040	20- 30	498.2	937.1	26.5,26.5
40	913.4	916.8	905.8	892.8	902.3	895.2	913.6	916.6	30- 40	608.8	1546	43.7,43.7
50	753.7	758.3	750.9	730.2	737.3	735.8	755.7	761.6	40- 50	641.0	2187	61.8,61.8
60	563.8	571.7	564.5	541.2	545.7	545.0	570.2	575.2	50- 60	586.5	2773	78.3,78.3
70	348.5	360.8	351.0	327.2	332.4	329.8	358.4	363.1	60- 70	449.9	3223	91,91
80	134.2	145.1	133.7	115.9	121.7	117.6	138.7	147.0	70- 80	250.1	3473	98.1,98.1
90	1.238	3.904	0.0396	0	0	0.0158	0	4.188	80- 90	57.29	3531	99.7,99.7
100	0	0	0	0	0	0	0	0	90-100	0.1005	3531	99.7,99.7
110	0	0	0	0	0	0	0	0	100-110	0	3531	99.7,99.7
120	0	0	0.3511	0.0827	0.0308	0.2968	0.4142	0	110-120	0.0123	3531	99.7,99.7
130	1.248	1.350	1.895	1.626	1.578	1.823	1.931	1.451	120-130	0.7281	3531	99.8,99.8
140	2.739	2.834	3.344	3.071	3.040	3.240	3.357	2.913	130-140	1.781	3533	99.8,99.8
150	4.124	4.208	4.646	4.362	4.376	4.498	4.654	4.241	140-150	2.318	3536	99.9,99.9
160	5.449	5.433	5.794	5.516	5.599	5.619	5.789	5.414	150-160	2.289	3538	99.9,99.9
170	6.664	6.491	6.710	6.638	6.846	6.701	6.721	6.435	160-170	1.715	3540	100,100
180	7.461	7.251	7.251	7.188	7.511	7.251	7.256	7.191	170-180	0.6583	3540	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:2017-05-08

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 γ Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.362
 Humidity:65.0%
 Test Distance:4.950m [K=1.0000]
 Remarks:

LUMINANCE LIMITATION CURVES

Test:U:24.03V I:1.038A P:24.95W PF:1.000 Freq:0Hz Lamp Flux:3540.2lx1 lm		
NAME: LED Strip	TYPE:Indoor lighting	WEIGHT:
SPEC.:2835 160LED	DIM.: 1000*12*1MM	SERIAL No.:20170508004
MFR.: EVERFINE	SUR.:1000*12mm	Shielding Angle:



LUMINANCE cd/(m2)		
G(DEG)	C0/180	C90/270
85	44220	44219
80	64423	64158
75	77106	77084
70	84916	85510
65	90560	90899
60	93961	94083
55	96032	96119
50	97707	97343
45	98703	98083

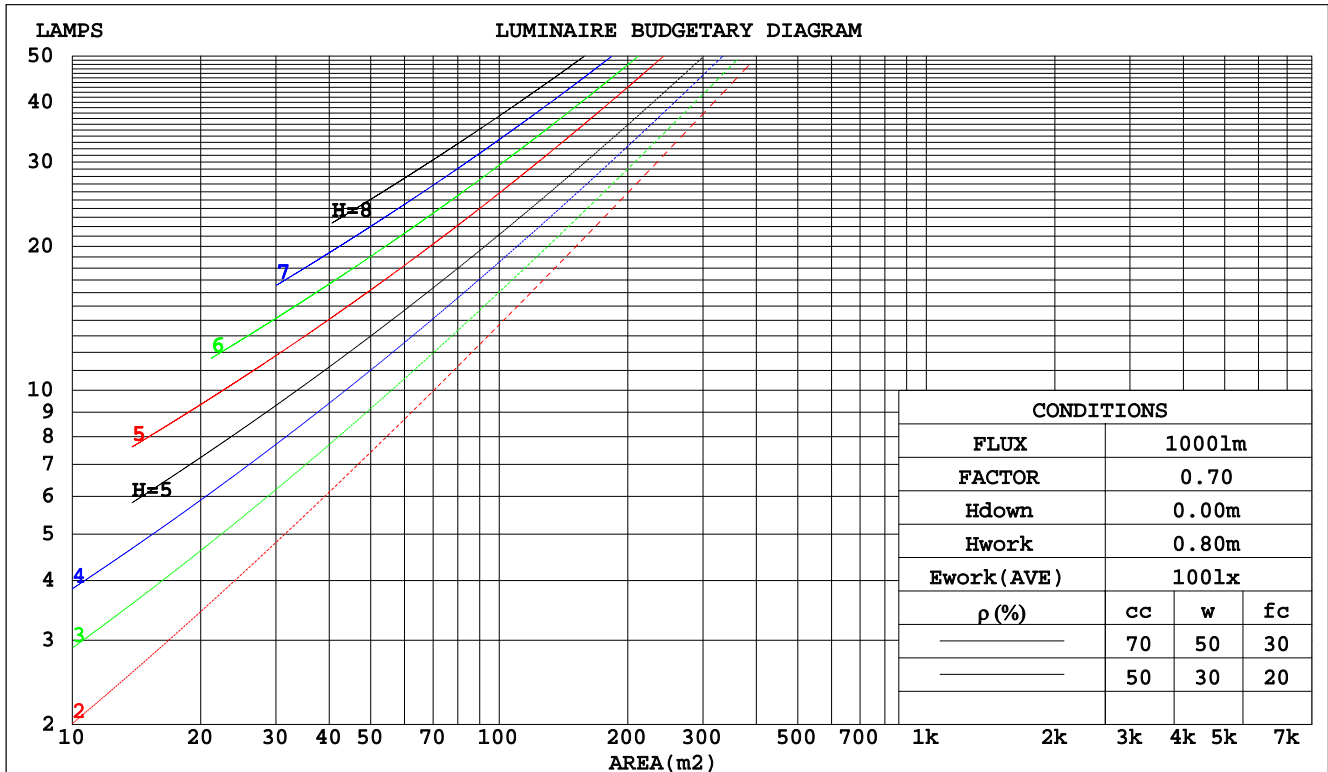
C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:2017-05-08

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.362
Humidity:65.0%
Test Distance:4.950m [K=1.0000]
Remarks:

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:24.03V I:1.038A P:24.95W PF:1.000 Freq:0Hz Lamp Flux:3540.2lx1 lm		
NAME: LED Strip	TYPE:Indoor lighting	WEIGHT:
SPEC.:2835 160LED	DIM.: 1000*12*1MM	SERIAL No.:20170508004
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	1.11	1.11	1.11	1.06	1.06	1.06	1.02	1.02	1.02	.00
1.0	1.04	.00	.96	1.02	.98	.94	.97	.94	.91	.93	.91	.88	.90	.88	.86	.83
2.0	.90	.83	.78	.88	.82	.77	.85	.79	.75	.81	.77	.73	.78	.75	.71	.69
3.0	.79	.71	.64	.77	.70	.64	.74	.68	.62	.72	.66	.61	.69	.64	.60	.58
4.0	.70	.61	.54	.69	.60	.54	.66	.59	.53	.64	.57	.52	.61	.56	.52	.49
5.0	.62	.53	.47	.61	.53	.46	.59	.52	.46	.57	.50	.45	.55	.49	.45	.43
6.0	.56	.47	.41	.55	.47	.40	.53	.46	.40	.52	.45	.40	.50	.44	.39	.37
7.0	.51	.42	.36	.50	.42	.36	.48	.41	.35	.47	.40	.35	.45	.39	.35	.33
8.0	.46	.38	.32	.46	.37	.32	.44	.37	.31	.43	.36	.31	.42	.36	.31	.29
9.0	.42	.34	.29	.42	.34	.28	.41	.33	.28	.40	.33	.28	.38	.32	.28	.26
10.0	.39	.31	.26	.39	.31	.26	.38	.30	.26	.37	.30	.25	.36	.30	.25	.24



C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:DAMIN
 Test Date:2017-05-08

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.362
 Humidity:65.0%
 Test Distance:4.950m [K=1.0000]
 Remarks:

WEC AND CCEC

Test:U:24.03V I:1.038A P:24.95W PF:1.000 Freq:0Hz Lamp Flux:3540.2lx1 lm		
NAME: LED Strip	TYPE:Indoor lighting	WEIGHT:
SPEC.:2835 160LED	DIM.: 1000*12*1MM	SERIAL No.:20170508004
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	.309	.176	.056	.302	.172	.055	.289	.166	.053	.276	.159	.051	.265	.154	.050		
2.0	.293	.160	.049	.286	.158	.049	.274	.153	.047	.263	.148	.046	.253	.143	.045		
3.0	.271	.144	.043	.266	.142	.043	.255	.138	.042	.245	.134	.041	.236	.131	.040		
4.0	.250	.130	.038	.245	.128	.038	.236	.125	.037	.228	.122	.037	.219	.119	.036		
5.0	.232	.118	.034	.227	.117	.034	.219	.114	.034	.211	.111	.033	.204	.109	.033		
6.0	.215	.108	.031	.211	.106	.031	.203	.104	.030	.197	.102	.030	.190	.100	.030		
7.0	.200	.099	.028	.196	.098	.028	.190	.096	.028	.184	.094	.027	.178	.092	.027		
8.0	.187	.091	.026	.183	.090	.026	.178	.089	.025	.172	.087	.025	.167	.086	.025		
9.0	.175	.085	.024	.172	.084	.024	.167	.082	.023	.162	.081	.023	.157	.080	.023		
10.0	.164	.079	.022	.162	.078	.022	.157	.077	.022	.152	.076	.022	.148	.075	.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	.193	.193	.193	.165	.165	.165	.112	.112	.112	.065	.065	.065	.021	.021	.021	
1.0	.182	.158	.136	.156	.136	.117	.107	.093	.081	.061	.054	.047	.020	.017	.015	
2.0	.174	.134	.100	.149	.115	.086	.102	.080	.060	.059	.046	.035	.019	.015	.012	
3.0	.167	.116	.076	.143	.100	.066	.098	.070	.046	.057	.041	.027	.018	.013	.009	
4.0	.159	.103	.060	.137	.089	.052	.094	.062	.037	.054	.036	.022	.017	.012	.007	
5.0	.152	.093	.049	.130	.080	.043	.090	.056	.030	.052	.033	.018	.017	.011	.006	
6.0	.145	.084	.041	.124	.073	.036	.086	.051	.025	.050	.030	.015	.016	.010	.005	
7.0	.138	.078	.035	.119	.067	.031	.082	.047	.022	.048	.028	.013	.015	.009	.004	
8.0	.131	.072	.031	.113	.062	.027	.078	.044	.019	.046	.026	.011	.015	.008	.004	
9.0	.125	.067	.027	.108	.058	.024	.075	.041	.017	.044	.024	.010	.014	.008	.003	
10.0	.120	.063	.024	.103	.054	.021	.072	.038	.015	.042	.023	.009	.014	.007	.003	

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:2017-05-08

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.362
Humidity:65.0%
Test Distance:4.950m [K=1.0000]
Remarks:

UGR(Unified Glare Rating) Table

Test:U:24.03V I:1.038A P:24.95W PF:1.000 Freq:0Hz Lamp Flux:3540.2lx1 lm											
NAME: LED Strip					TYPE:Indoor lighting			WEIGHT:			
SPEC.:2835 160LED					DIM.: 1000*12*1MM			SERIAL No.:20170508004			
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	24.5	26.0	24.7	26.2	26.4	24.5	26.0	24.8	26.2	26.5	
	3H	26.0	27.4	26.3	27.6	27.9	26.1	27.5	26.4	27.7	28.0
	4H	26.6	27.9	26.9	28.2	28.4	26.7	28.0	27.0	28.3	28.5
	6H	26.9	28.2	27.3	28.5	28.8	27.0	28.3	27.4	28.6	28.9
	8H	27.0	28.3	27.4	28.6	28.9	27.1	28.3	27.5	28.6	28.9
	12H	27.1	28.3	27.4	28.6	28.9	27.2	28.3	27.5	28.6	28.9
4H	2H	25.1	26.4	25.4	26.7	27.0	25.1	26.5	25.5	26.7	27.0
	3H	26.8	28.0	27.2	28.3	28.6	26.9	28.1	27.2	28.4	28.7
	4H	27.5	28.6	27.9	28.9	29.3	27.6	28.7	28.0	29.0	29.3
	6H	28.0	29.0	28.4	29.3	29.7	28.1	29.1	28.5	29.4	29.8
	8H	28.2	29.0	28.6	29.4	29.8	28.2	29.1	28.7	29.5	29.9
	12H	28.2	29.0	28.7	29.4	29.8	28.3	29.1	28.7	29.5	29.9
8H	4H	27.8	28.7	28.2	29.1	29.4	27.9	28.8	28.3	29.1	29.5
	6H	28.4	29.2	28.9	29.6	30.0	28.5	29.2	28.9	29.6	30.1
	8H	28.6	29.3	29.1	29.7	30.2	28.7	29.4	29.2	29.8	30.3
	12H	28.8	29.3	29.2	29.8	30.3	28.8	29.4	29.3	29.9	30.3
12H	4H	27.8	28.6	28.2	29.0	29.4	27.9	28.7	28.3	29.1	29.5
	6H	28.5	29.1	28.9	29.6	30.0	28.6	29.2	29.0	29.6	30.1
	8H	28.7	29.3	29.2	29.7	30.2	28.8	29.4	29.3	29.8	30.3
Variations with the observer position at spacings:											
S = 1.0H	+ 0.1 / - 0.2					+ 0.2 / - 0.2					
1.5H	+ 0.2 / - 0.3					+ 0.2 / - 0.3					
2.0H	+ 0.2 / - 0.3					+ 0.2 / - 0.4					

CIE Pub.117, 3540 lm Total Lamp Luminous Flux Correct ($8\log(F/F_0) = 4.4$)

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:2017-05-08

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.362
Humidity:65.0%
Test Distance:4.950m [K=1.0000]
Remarks:

UTILIZATION FACTORS TABLE

Test:U:24.03V I:1.038A P:24.95W PF:1.000 Freq:0Hz Lamp Flux:3540.2lx1 lm		
NAME: LED Strip	TYPE:Indoor lighting	WEIGHT:
SPEC.:2835 160LED	DIM.: 1000*12*1MM	SERIAL No.:20170508004
MFR.: EVERFINE	SUR.:1000*12mm	Shielding Angle:

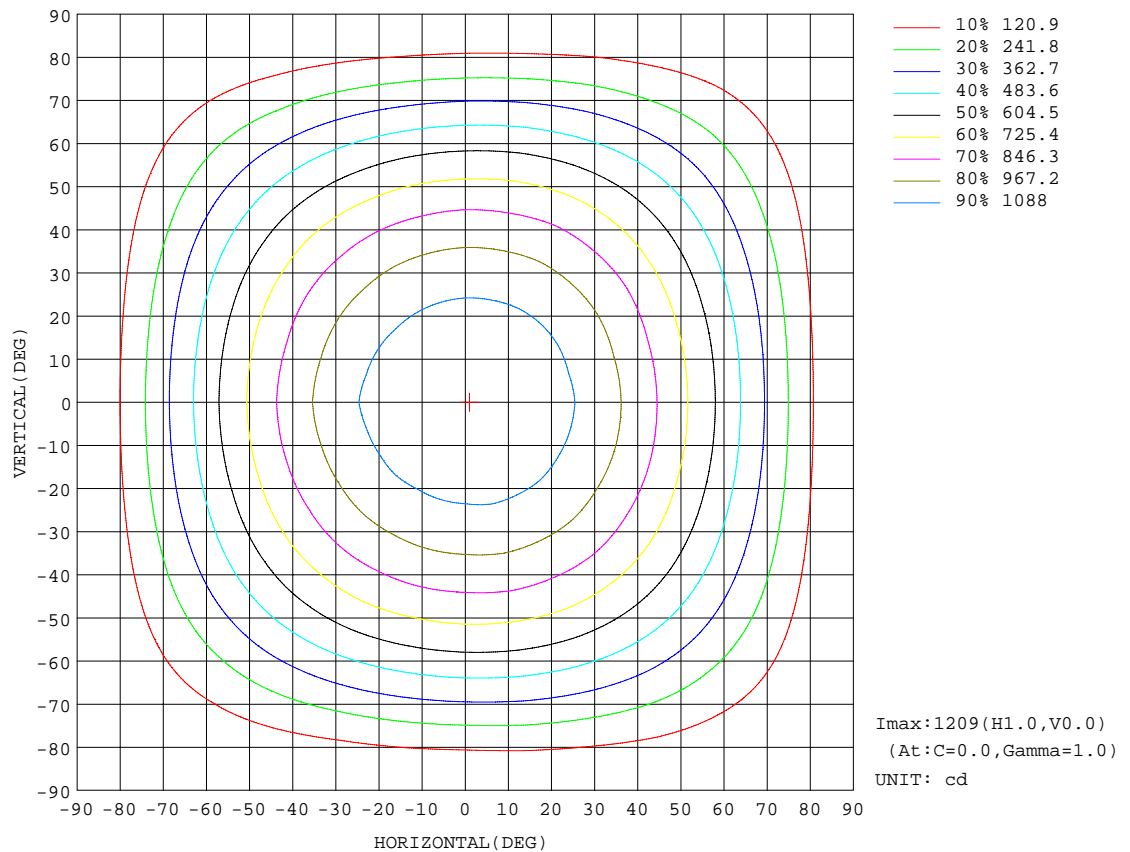
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) k(RI) x RCR = 5									
k = 0.60	57	45	38	56	45	38	55	44	38	31
0.80	67	55	48	66	55	48	64	54	47	40
1.00	76	64	57	74	64	57	72	65	56	49
1.25	83	72	65	81	71	64	78	70	64	56
1.50	88	78	71	86	77	70	83	75	69	61
2.00	95	86	80	93	85	79	89	83	77	69
2.50	99	91	85	97	89	84	93	87	82	74
3.00	102	95	90	100	94	89	96	91	86	78
4.00	106	100	96	104	99	94	99	95	92	83
5.00	109	104	100	106	102	98	102	98	95	86
ROOM INDEX	UF(total)									Direct
According to DIN EN 13032-2 2004										
Suspended										
SHRNM = 1.25										

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:2017-05-08

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.362
Humidity:65.0%
Test Distance:4.950m [K=1.0000]
Remarks:

ISOCANDELA DIAGRAM

Test:U:24.03V I:1.038A P:24.95W PF:1.000 Freq:0Hz Lamp Flux:3540.2lx1 lm		
NAME: LED Strip	TYPE:Indoor lighting	WEIGHT:
SPEC.:2835 160LED	DIM.: 1000*12*1MM	SERIAL No.:20170508004
MFR.: EVERFINE	SUR.:1000*12mm	Shielding Angle:



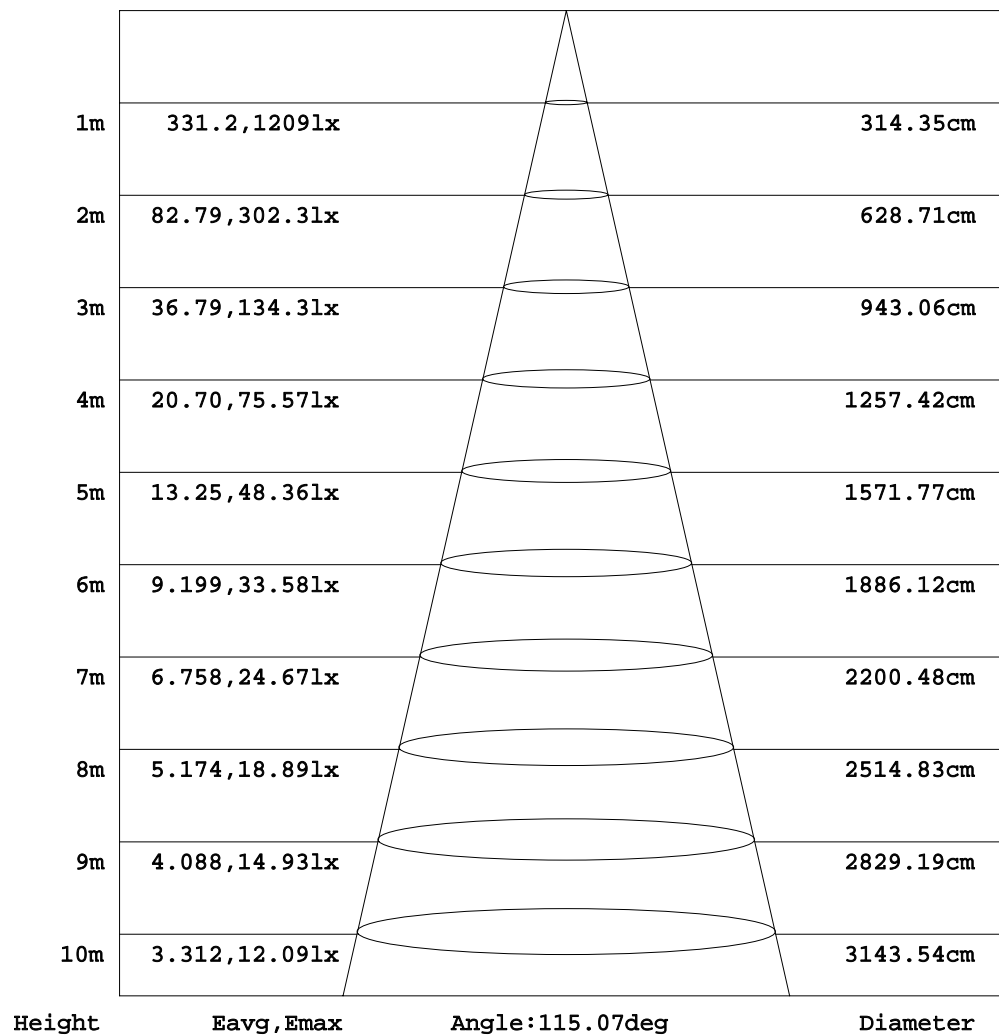
C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:2017-05-08

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.362
Humidity:65.0%
Test Distance:4.950m [K=1.0000]
Remarks:

AAI Figure

Test:U:24.03V I:1.038A P:24.95W PF:1.000 Freq:0Hz Lamp Flux:3540.2lx1 lm		
NAME: LED Strip	TYPE:Indoor lighting	WEIGHT:
SPEC.:2835 160LED	DIM.: 1000*12*1MM	SERIAL No.:20170508004
MFR.: EVERFINE	SUR.:1000*12mm	Shielding Angle:

Flux out:2664 lm



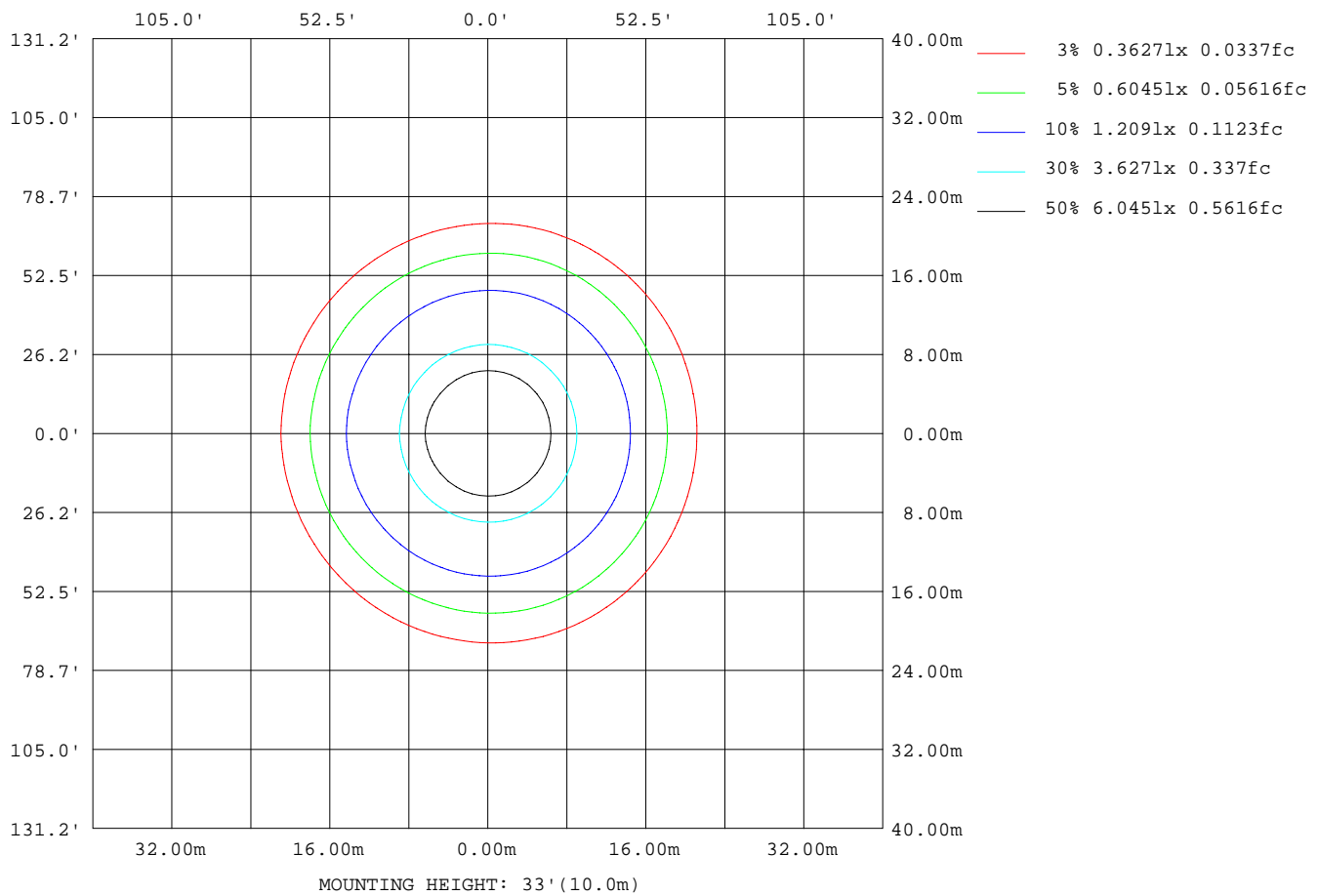
Note: The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators: DAMIN
 Test Date: 2017-05-08

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-2000B_V1 SYSTEM V2.0.362
 Humidity: 65.0%
 Test Distance: 4.950m [K=1.0000]
 Remarks:

ISOLUX DIAGRAM

Test:U:24.03V I:1.038A P:24.95W PF:1.000 Freq:0Hz Lamp Flux:3540.2lx1 lm		
NAME: LED Strip	TYPE:Indoor lighting	WEIGHT:
SPEC.:2835 160LED	DIM.: 1000*12*1MM	SERIAL No.:20170508004
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:2017-05-08

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.362
 Humidity:65.0%
 Test Distance:4.950m [K=1.0000]
 Remarks:

LED Avg.L Report

Test:U:24.03V I:1.038A P:24.95W PF:1.000 Freq:0Hz Lamp Flux:3540.2lx1 lm		
NAME: LED Strip	TYPE:Indoor lighting	WEIGHT:
SPEC.:2835 160LED	DIM.: 1000*12*1MM	SERIAL No.:20170508004
MFR.: EVERFINE	SUR.:1000*12mm	Shielding Angle:

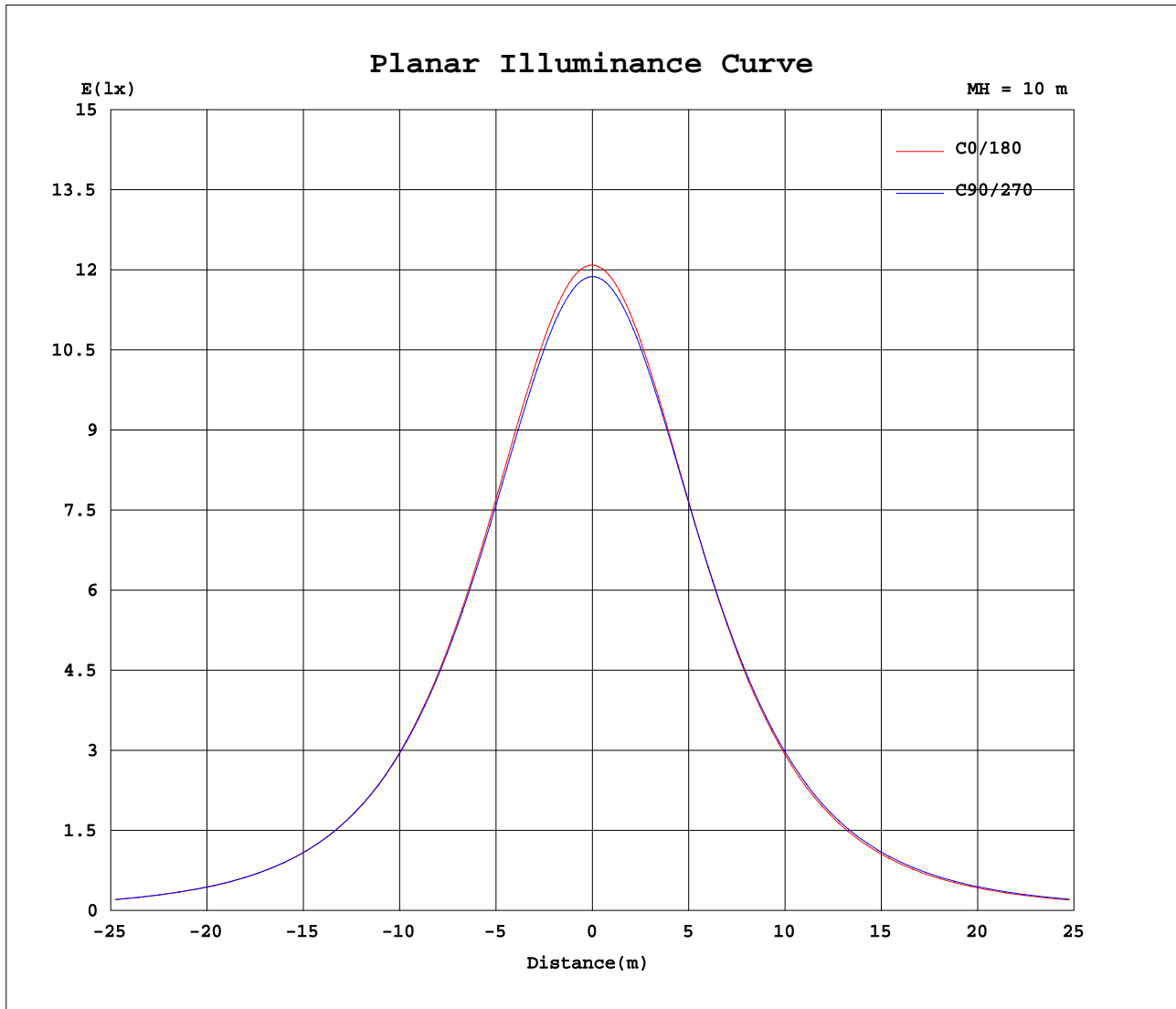
AvgL	cd/m2
L_0~180(65)av	88870
L_0~180(75)av	74545
L_0~180(85)av	40289
L_90~270(65)av	91476
L_90~270(75)av	78142
L_90~270(85)av	45216
L_45(65)av	89668
L_45(75)av	75864
L_45(85)av	43225

Standard: GB/T 29293-2012

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:DAMIN
 Test Date:2017-05-08

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.362
 Humidity:65.0%
 Test Distance:4.950m [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: 2017-05-08

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System: EVERFINE GO-2000B_V1 SYSTEM V2.0.362
Humidity: 65.0%
Test Distance: 4.950m [K=1.0000]
Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:24.03V I:1.038A P:24.95W PF:1.000 Freq:0Hz Lamp Flux:3540.2lx1 lm		
NAME: LED Strip	TYPE:Indoor lighting	WEIGHT:
SPEC.:2835 160LED	DIM.: 1000*12*1MM	SERIAL No.:20170508004
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	1209	1201	1197	1193	1190	1190	1187	1188	1189	1195	1196	1199	1209	1201	1197	1193	1190	1190	1187
5	1205	1198	1194	1190	1186	1186	1183	1182	1183	1188	1189	1193	1204	1195	1191	1187	1185	1185	1184
10	1191	1184	1181	1178	1174	1173	1169	1168	1168	1173	1173	1177	1188	1179	1176	1172	1171	1171	1171
15	1167	1162	1159	1157	1153	1152	1147	1145	1144	1148	1148	1152	1163	1154	1151	1148	1147	1149	1150
20	1135	1130	1127	1126	1122	1121	1115	1113	1111	1115	1114	1118	1129	1121	1118	1115	1116	1118	1120
25	1092	1089	1086	1087	1084	1083	1076	1073	1070	1072	1071	1075	1085	1077	1075	1072	1075	1078	1081
30	1042	1040	1038	1039	1036	1035	1027	1024	1020	1021	1020	1024	1033	1024	1023	1022	1026	1029	1034
35	982	981	980	982	980	980	971	967	962	961	959	963	973	965	964	963	968	972	978
40	913	913	913	917	916	915	906	901	895	893	890	893	902	895	896	895	902	907	914
45	838	840	839	844	842	842	832	828	820	818	813	819	826	817	820	819	826	832	841
50	754	751	756	758	760	757	751	742	738	730	729	729	737	734	732	736	739	749	756
55	661	659	666	668	671	668	662	653	647	639	636	636	644	642	640	643	649	659	667
60	564	564	569	572	574	572	564	555	548	541	539	540	546	541	542	545	552	562	570
65	459	460	465	469	471	469	461	452	443	437	434	435	442	439	438	441	448	458	467
70	349	351	357	361	362	360	351	343	334	327	323	325	332	328	329	330	339	347	358
75	239	244	246	252	250	249	239	232	223	219	215	219	224	218	220	220	229	236	246
80	134	138	140	145	143	143	134	128	118	116	113	117	122	118	118	118	124	131	139
85	46.2	49.6	51.0	54.8	53.2	52.7	46.2	43.5	36.3	34.1	32.5	35.8	38.0	35.8	35.6	35.5	40.2	44.2	48.3
90	1.24	2.27	2.64	3.90	3.17	1.93	0.04	0.59	0.03	0.00	0.20	0.98	0.00	0.01	0.00	0.02	0.60	0.84	0.00
95	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
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	0.00	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
110	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
115	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
120	0.00	0.00	0.00	0.00	0.00	0.12	0.35	0.25	0.19	0.08	0.00	0.00	0.03	0.09	0.18	0.30	0.36	0.40	0.41
125	0.47	0.42	0.51	0.59	0.74	0.87	1.13	1.02	0.96	0.85	0.74	0.57	0.81	0.86	0.96	1.07	1.12	1.16	1.18
130	1.25	1.22	1.29	1.35	1.49	1.62	1.89	1.78	1.73	1.63	1.51	1.36	1.58	1.65	1.71	1.82	1.86	1.90	1.93
135	2.00	1.99	2.05	2.10	2.24	2.37	2.64	2.52	2.47	2.37	2.25	2.09	2.33	2.39	2.46	2.55	2.59	2.63	2.66
140	2.74	2.75	2.80	2.83	2.96	3.08	3.34	3.25	3.17	3.07	2.96	2.81	3.04	3.09	3.15	3.24	3.27	3.36	3.36
145	3.45	3.50	3.52	3.54	3.63	3.75	4.01	3.94	3.82	3.74	3.63	3.51	3.72	3.77	3.81	3.89	3.92	4.04	4.02
150	4.12	4.21	4.20	4.21	4.28	4.40	4.65	4.61	4.44	4.36	4.25	4.14	4.38	4.39	4.44	4.50	4.54	4.70	4.65
155	4.81	4.87	4.86	4.84	4.92	5.04	5.24	5.24	5.07	4.95	4.85	4.74	4.99	4.97	5.01	5.07	5.15	5.31	5.24
160	5.45	5.48	5.46	5.43	5.50	5.63	5.79	5.82	5.67	5.52	5.40	5.31	5.60	5.52	5.54	5.62	5.74	5.87	5.79
165	6.05	6.07	6.00	5.98	6.05	6.16	6.28	6.34	6.23	6.11	5.96	5.86	6.19	6.04	6.09	6.18	6.29	6.37	6.29
170	6.66	6.59	6.49	6.49	6.54	6.63	6.71	6.78	6.72	6.64	6.53	6.46	6.85	6.61	6.64	6.70	6.78	6.80	6.72
175	7.14	7.03	6.93	6.93	6.96	7.02	7.05	7.09	7.08	7.06	6.99	6.97	7.30	7.10	7.10	7.11	7.14	7.11	7.07
180	7.46	7.33	7.25	7.25	7.25	7.26	7.25	7.25	7.21	7.19	7.18	7.20	7.51	7.32	7.26	7.25	7.25	7.26	7.26

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:2017-05-08

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.362
Humidity:65.0%
Test Distance:4.950m [K=1.0000]
Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:24.03V I:1.038A P:24.95W PF:1.000 Freq:0Hz Lamp Flux:3540.2lx1 lm		
NAME: LED Strip	TYPE:Indoor lighting	WEIGHT:
SPEC.:2835 160LED	DIM.: 1000*12*1MM	SERIAL No.:20170508004
MFR.: EVERFINE	SUR.:1000*12mm	Shielding Angle:

Table--2

UNIT: cd

C(DEC) γ (DEC)	285	300	315	330	345														
0	1188	1189	1195	1196	1199														
5	1184	1187	1192	1193	1196														
10	1172	1175	1180	1181	1182														
15	1151	1155	1159	1159	1159														
20	1122	1125	1128	1129	1128														
25	1083	1087	1088	1089	1087														
30	1036	1040	1040	1040	1036														
35	980	984	983	983	979														
40	916	921	917	916	911														
45	843	848	842	842	834														
50	763	764	762	756	753														
55	674	676	671	666	662														
60	578	578	575	569	562														
65	475	475	472	467	461														
70	365	367	363	360	351														
75	253	256	252	250	242														
80	143	149	147	146	141														
85	51.9	57.2	56.5	57.0	52.7														
90	1.81	4.11	4.19	4.37	2.95														
95	0.00	0.00	0.00	0.00	0.00														
100	0.00	0.00	0.00	0.00	0.00														
105	0.00	0.00	0.00	0.00	0.00														
110	0.00	0.00	0.00	0.00	0.00														
115	0.00	0.00	0.00	0.00	0.00														
120	0.23	0.06	0.00	0.00	0.00														
125	0.98	0.80	0.70	0.61	0.59														
130	1.71	1.53	1.45	1.36	1.37														
135	2.43	2.25	2.19	2.11	2.14														
140	3.13	2.95	2.91	2.84	2.87														
145	3.80	3.63	3.60	3.55	3.58														
150	4.44	4.28	4.24	4.23	4.28														
155	5.05	4.89	4.85	4.85	4.91														
160	5.63	5.46	5.41	5.43	5.51														
165	6.15	6.01	5.93	5.96	6.05														
170	6.61	6.51	6.43	6.44	6.55														
175	7.00	6.94	6.88	6.88	6.98														
180	7.24	7.22	7.19	7.18	7.23														

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:2017-05-08

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.362
Humidity:65.0%
Test Distance:4.950m [K=1.0000]
Remarks: