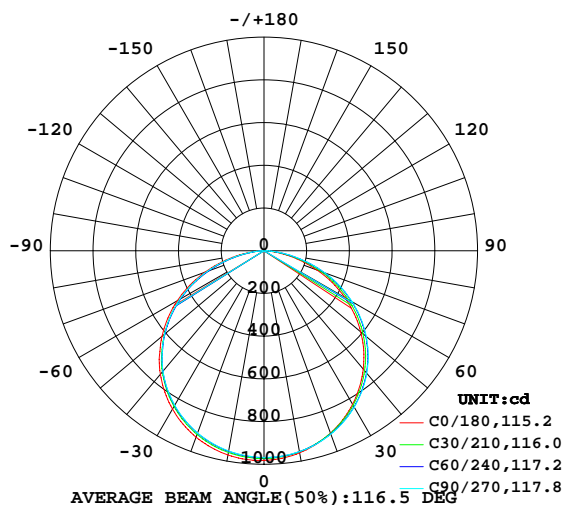


LUMINAIRE PHOTOMETRIC TEST REPORT

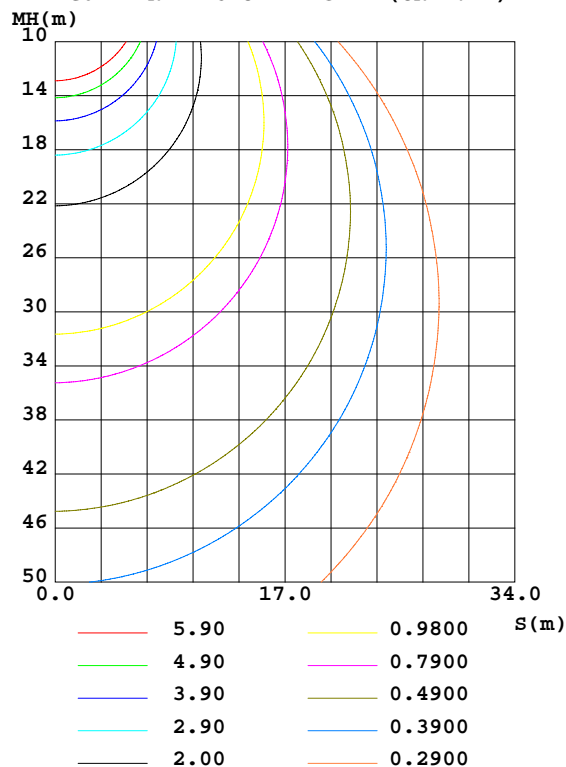
Test:U:23.98V I:1.620A P:38.86W PF:0.9999 Lamp Flux:2893.72x1 lm		
NAME: LED Strip	TYPE:Indoor lighting	WEIGHT:
SPEC.:2835 240LED WW	DIM.: 1000*10*1MM	SERIAL No.:2015101501
MFR.:	SUR.:1000*10mm	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 74.47 lm/W			
MODEL	WW-FL102T29WW240B-24(WCP)-HR	Imax(cd)	982.1	S/MH(C0/180)	1.30
NOMINAL POWER(W)	57.6	LOR(%)	100.0	S/MH(C90/270)	1.28
RATED VOLTAGE(V)	DC 24	TOTAL FLUX(lm)	2893.7	η UP,DN(C0-180)	0.1,50.3
NOMINAL FLUX(lm)	2893.72	CIE CLASS	DIRECT	η UP,DN(C180-360)	0.1,49.5
LAMPS INSIDE	1	η up(%)	0.2	CIBSE SHR NOM	1.25
TEST VOLTAGE(V)	24	η down(%)	99.8	CIBSE SHR MAX	1.35

LUMINOUS INTENSITY DISTRIBUTION DIAGRAM



C0 PLANE ISOLUX DIAGRAM (UNIT:lx)



C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:2015-10-15

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.351
Humidity:65.0%
Test Distance:4.950m [K=1.0000]
Remarks:

ZONAL FLUX DIAGRAM

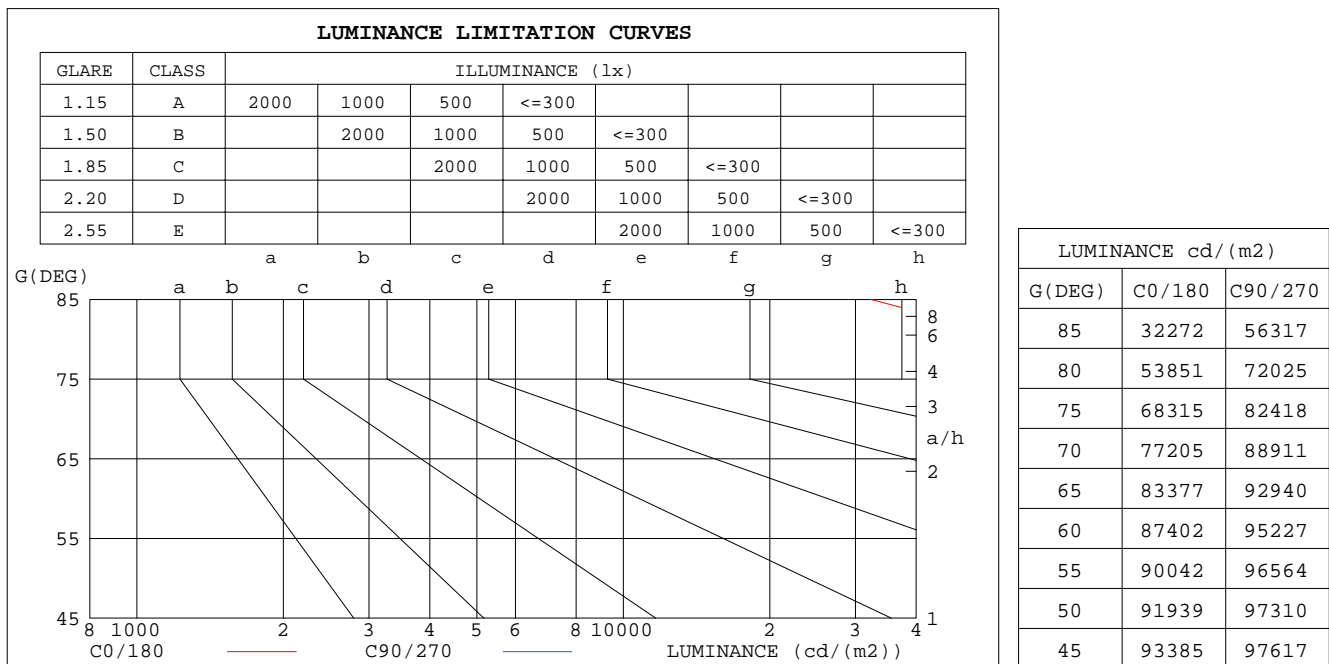
ZONAL FLUX DIAGRAM:

γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum, lamp
10	960.8	957.1	955.2	963.9	971.1	956.4	952.0	959.6	0- 10	92.16	92.16	3.18,3.18
20	909.4	913.6	914.3	921.3	928.7	911.8	907.9	912.7	10- 20	265.3	357.4	12.4,12.4
30	829.9	841.4	845.4	849.0	856.4	837.6	835.8	837.0	20- 30	406.1	763.5	26.4,26.4
40	722.8	741.8	748.7	748.3	755.0	734.8	736.1	734.3	30- 40	496.6	1260	43.5,43.5
50	591.0	614.5	625.5	618.5	623.3	605.3	607.4	606.1	40- 50	523.2	1783	61.6,61.6
60	437.0	464.8	476.1	464.3	468.7	449.4	455.3	453.4	50- 60	480.2	2264	78.2,78.2
70	264.1	294.6	304.1	288.8	294.4	272.8	282.2	280.5	60- 70	369.5	2633	91,91
80	93.51	119.8	125.1	111.0	116.0	96.52	105.5	105.7	70- 80	206.4	2839	98.1,98.1
90	0.0227	4.542	0.0645	2.429	1.685	0.0183	0	2.848	80- 90	47.91	2887	99.8,99.8
100	0	0	0	0	0	0	0	0	90-100	0.1061	2887	99.8,99.8
110	0	0	0	0	0	0	0	0	100-110	0	2887	99.8,99.8
120	0	0	0	0	0	0	0.0012	0	110-120	0.0000	2887	99.8,99.8
130	0.6645	0.6065	0.9150	0.6587	0.6026	0.9814	1.222	0.9175	120-130	0.2442	2888	99.8,99.8
140	1.876	1.832	2.116	1.867	1.802	2.120	2.359	2.089	130-140	1.073	2889	99.8,99.8
150	2.971	2.949	3.191	2.918	2.909	3.120	3.370	3.131	140-150	1.577	2890	99.9,99.9
160	4.023	3.941	4.152	3.891	3.953	4.017	4.264	4.063	150-160	1.631	2892	99.9,99.9
170	4.980	4.795	4.925	4.819	4.944	4.858	4.977	4.834	160-170	1.251	2893	100,100
180	5.555	5.352	5.382	5.361	5.562	5.350	5.385	5.365	170-180	0.4856	2894	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

C Range: 0 - 360DEG
 C Interval: 5.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:DAMIN
 Test Date:2015-10-15

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 γ Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.351
 Humidity:65.0%
 Test Distance:4.950m [K=1.0000]
 Remarks:

LUMINANCE LIMITATION CURVES

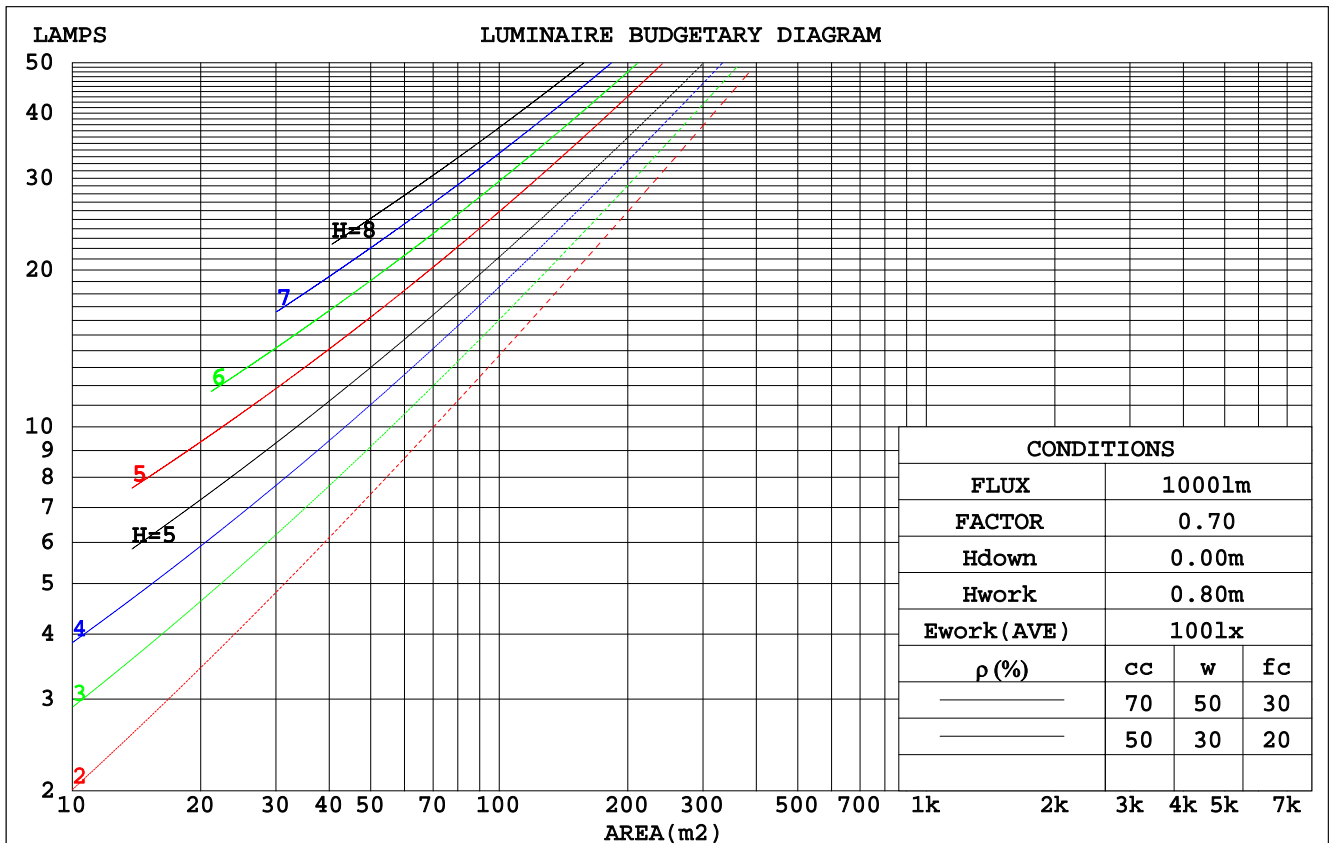


C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: DAMIN
Test Date: 2015-10-15

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
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

ρ_{cc}	80%			70%			50%			30%			10%			0
ρ_w	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
ρ_{fc}	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	.99	.96	1.02	.98	.94	.97	.94	.91	.93	.91	.88	.90	.87	.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	.51	.49
5.0	.62	.53	.46	.61	.53	.46	.59	.51	.46	.57	.50	.45	.55	.49	.45	.42
6.0	.56	.47	.40	.55	.46	.40	.53	.46	.40	.51	.45	.39	.50	.44	.39	.37
7.0	.51	.42	.36	.50	.41	.35	.48	.41	.35	.47	.40	.35	.45	.39	.35	.33
8.0	.46	.38	.32	.45	.37	.32	.44	.37	.31	.43	.36	.31	.42	.36	.31	.29
9.0	.42	.34	.28	.42	.34	.28	.41	.33	.28	.39	.33	.28	.38	.32	.28	.26
10.0	.39	.31	.26	.39	.31	.26	.37	.30	.26	.37	.30	.25	.36	.30	.25	.24



C Range: 0 - 360DEG
 C Interval: 5.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators: DAMIN
 Test Date: 2015-10-15

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-2000B_V1 SYSTEM V2.0.351
 Humidity: 65.0%
 Test Distance: 4.950m [K=1.0000]
 Remarks:

WEC AND CCEC

pcc	80%			70%			50%			30%			10%			0	
ρw	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0	
ρfc	20%			20%			20%			20%			20%			0	
RCR	RCR:Room Cavity Ratio						Wall Exitance Coefficients(WEC)										
0.0																	
1.0	.310	.176	.056	.303	.173	.055	.290	.166	.053	.277	.160	.051	.266	.154	.050		
2.0	.293	.161	.049	.287	.158	.049	.275	.153	.048	.264	.148	.046	.254	.144	.045		
3.0	.272	.145	.043	.266	.143	.043	.256	.139	.042	.246	.135	.041	.237	.131	.041		
4.0	.251	.130	.038	.246	.129	.038	.237	.125	.037	.228	.122	.037	.220	.120	.036		
5.0	.232	.118	.034	.228	.117	.034	.219	.114	.034	.212	.112	.033	.204	.109	.033		
6.0	.215	.108	.031	.211	.107	.031	.204	.104	.030	.197	.102	.030	.190	.100	.030		
7.0	.200	.099	.028	.197	.098	.028	.190	.096	.028	.184	.094	.027	.178	.092	.027		
8.0	.187	.091	.026	.184	.090	.026	.178	.089	.025	.172	.087	.025	.167	.086	.025		
9.0	.175	.085	.024	.172	.084	.024	.167	.083	.023	.162	.081	.023	.157	.080	.023		
10.0	.164	.079	.022	.162	.078	.022	.157	.077	.022	.153	.076	.022	.148	.075	.021		

ρcc	80%			70%			50%			30%			10%			0	
ρw	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0	
ρfc	20%			20%			20%			20%			20%			0	
RCR	RCR:Room Cavity Ratio						Ceiling Cavity Exitance Coefficients(CCEC)										
0.0	.192	.192	.192	.164	.164	.164	.112	.112	.112	.064	.064	.064	.021	.021	.021		
1.0	.182	.158	.136	.156	.135	.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	.011		
3.0	.167	.116	.076	.143	.100	.066	.098	.070	.046	.057	.041	.027	.018	.013	.009		
4.0	.159	.103	.060	.136	.089	.052	.094	.062	.037	.054	.036	.022	.017	.012	.007		
5.0	.152	.092	.049	.130	.080	.042	.090	.056	.030	.052	.033	.018	.017	.011	.006		
6.0	.144	.084	.041	.124	.073	.035	.086	.051	.025	.050	.030	.015	.016	.010	.005		
7.0	.138	.077	.035	.118	.067	.030	.082	.047	.021	.048	.028	.013	.015	.009	.004		
8.0	.131	.071	.030	.113	.062	.026	.078	.043	.019	.045	.026	.011	.015	.008	.004		
9.0	.125	.066	.027	.108	.058	.023	.075	.041	.017	.043	.024	.010	.014	.008	.003		
10.0	.119	.062	.024	.103	.054	.021	.071	.038	.015	.042	.022	.009	.013	.007	.003		

C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:2015-10-15

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
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

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	28.6	30.1	28.8	30.3	30.5	28.9	30.5	29.2	30.7	30.9
3H	30.0	31.4	30.3	31.7	31.9	30.6	32.0	30.9	32.2	32.5
4H	30.6	31.9	30.9	32.2	32.4	31.2	32.5	31.5	32.8	33.1
6H	30.9	32.2	31.2	32.4	32.7	31.6	32.9	32.0	33.2	33.5
8H	31.0	32.2	31.3	32.5	32.8	31.8	33.0	32.1	33.3	33.6
12H	31.0	32.1	31.3	32.4	32.8	31.8	33.0	32.2	33.3	33.6
4H 2H	29.3	30.6	29.6	30.9	31.1	29.5	30.9	29.9	31.1	31.4
3H	30.9	32.1	31.3	32.4	32.7	31.3	32.5	31.7	32.8	33.1
4H	31.6	32.6	31.9	33.0	33.3	32.1	33.2	32.5	33.5	33.9
6H	32.0	33.0	32.4	33.3	33.7	32.7	33.6	33.1	34.0	34.4
8H	32.1	33.0	32.5	33.4	33.8	32.9	33.8	33.3	34.1	34.5
12H	32.1	33.0	32.6	33.3	33.8	33.0	33.8	33.4	34.2	34.6
8H 4H	31.9	32.8	32.3	33.1	33.5	32.4	33.3	32.8	33.6	34.0
6H	32.4	33.2	32.9	33.6	34.0	33.1	33.8	33.5	34.2	34.7
8H	32.6	33.3	33.1	33.7	34.2	33.3	34.0	33.8	34.4	34.9
12H	32.7	33.3	33.2	33.7	34.2	33.5	34.1	34.0	34.5	35.0
12H 4H	31.9	32.7	32.3	33.1	33.5	32.4	33.2	32.8	33.6	34.0
6H	32.5	33.2	33.0	33.6	34.1	33.1	33.8	33.6	34.2	34.7
8H	32.7	33.3	33.2	33.7	34.2	33.4	34.0	33.9	34.4	34.9
Variations with the observer position at spacings:										
S = 1.0H	+ 0.2 / - 0.2					+ 0.1 / - 0.2				
1.5H	+ 0.2 / - 0.3					+ 0.2 / - 0.3				
2.0H	+ 0.2 / - 0.4					+ 0.2 / - 0.3				

CIE Pub.117 Corrected 2894 lm Total Lamp Luminous Flux.(8log(F/F0) = 3.7)

C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:2015-10-15

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.351
Humidity:65.0%
Test Distance:4.950m [K=1.0000]
Remarks:

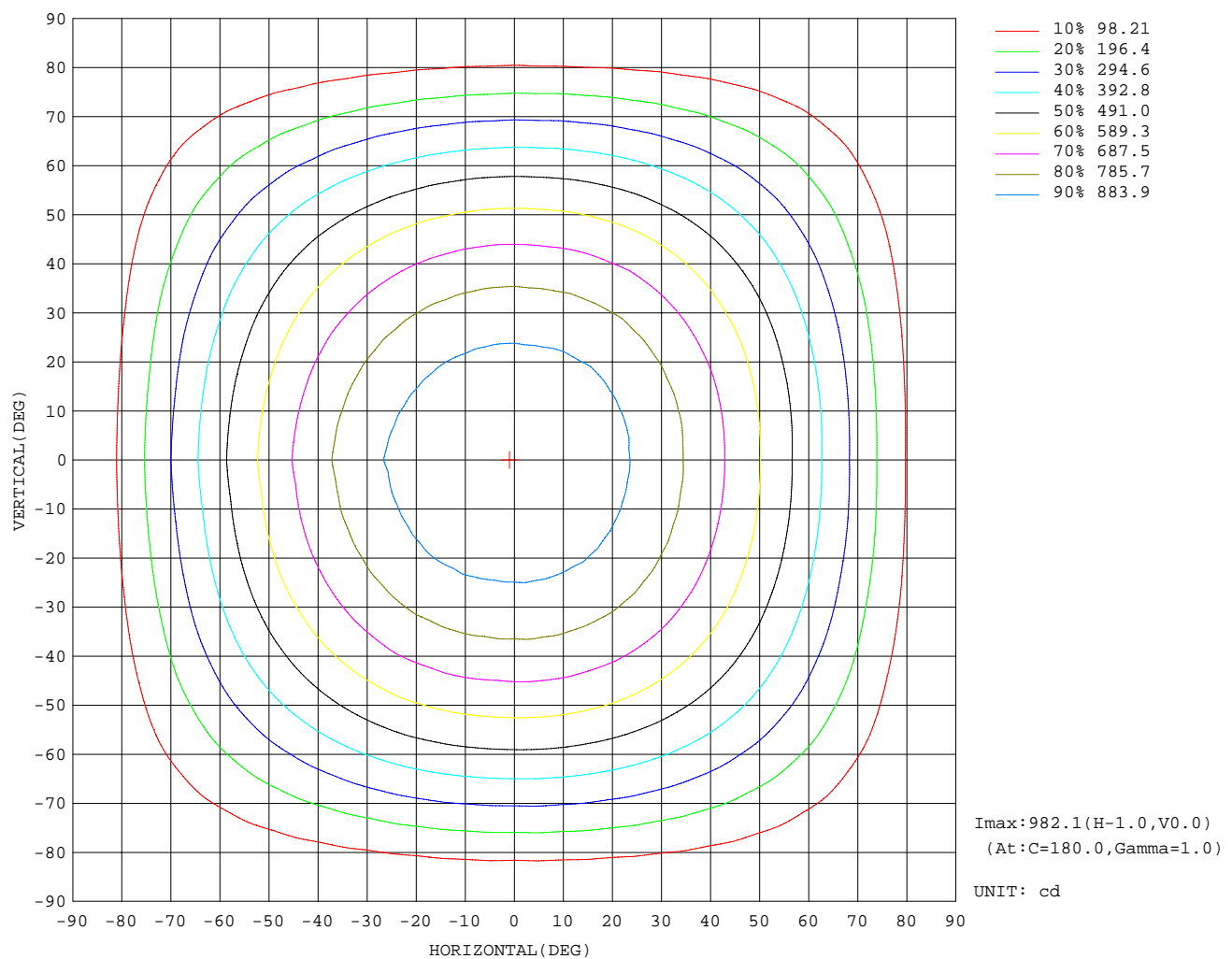
UTILIZATION FACTORS TABLE

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	57	45	38	56	45	38	55	44	38	31
0.80	67	55	48	66	55	48	64	54	47	40
1.00	75	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	88	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				SHRNOM = 1.25		

C Range: 0 - 360DEG
 C Interval: 5.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:DAMIN
 Test Date:2015-10-15

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.351
 Humidity:65.0%
 Test Distance:4.950m [K=1.0000]
 Remarks:

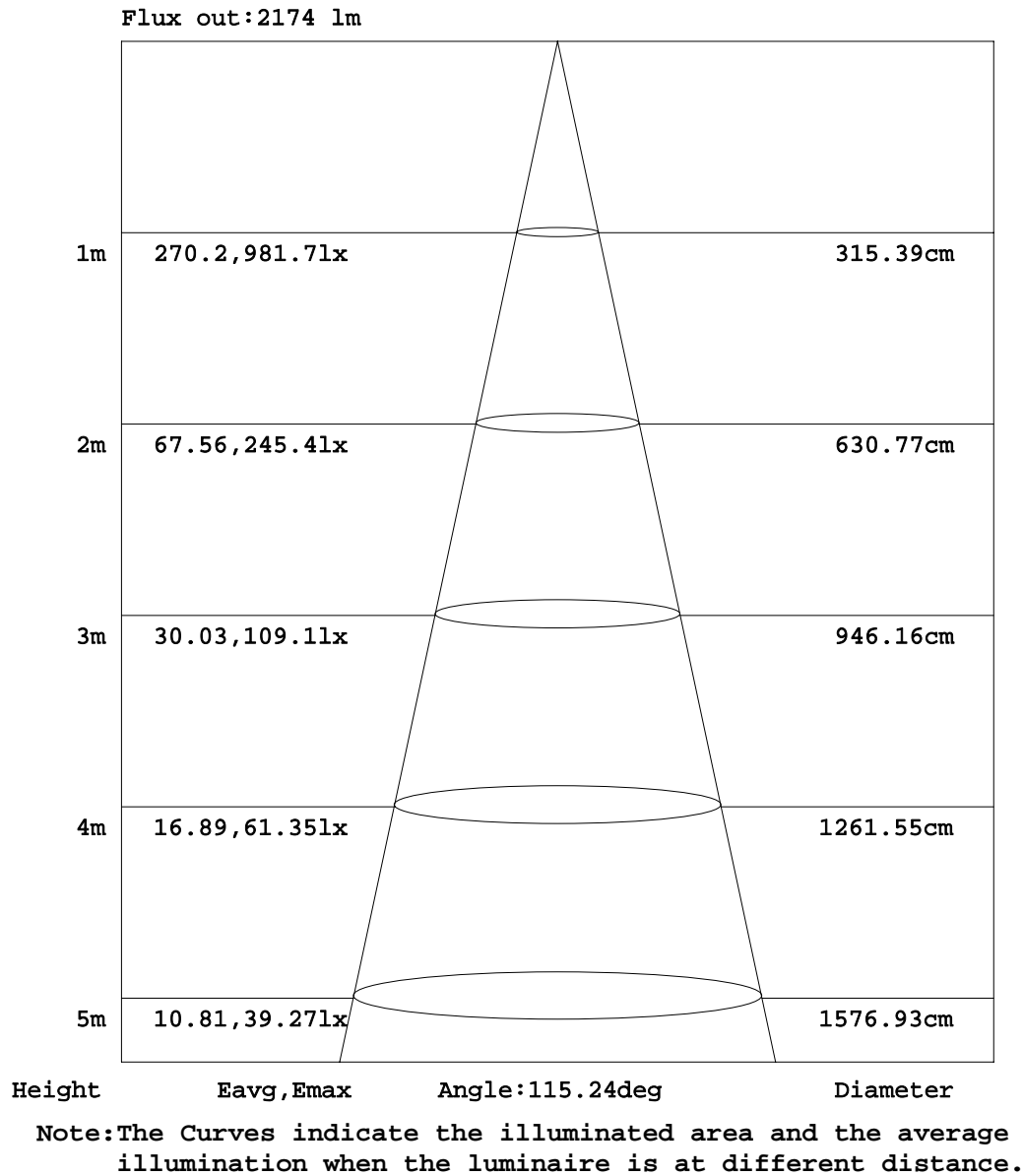
ISOCANDELA DIAGRAM



C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:2015-10-15

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.351
Humidity:65.0%
Test Distance:4.950m [K=1.0000]
Remarks:

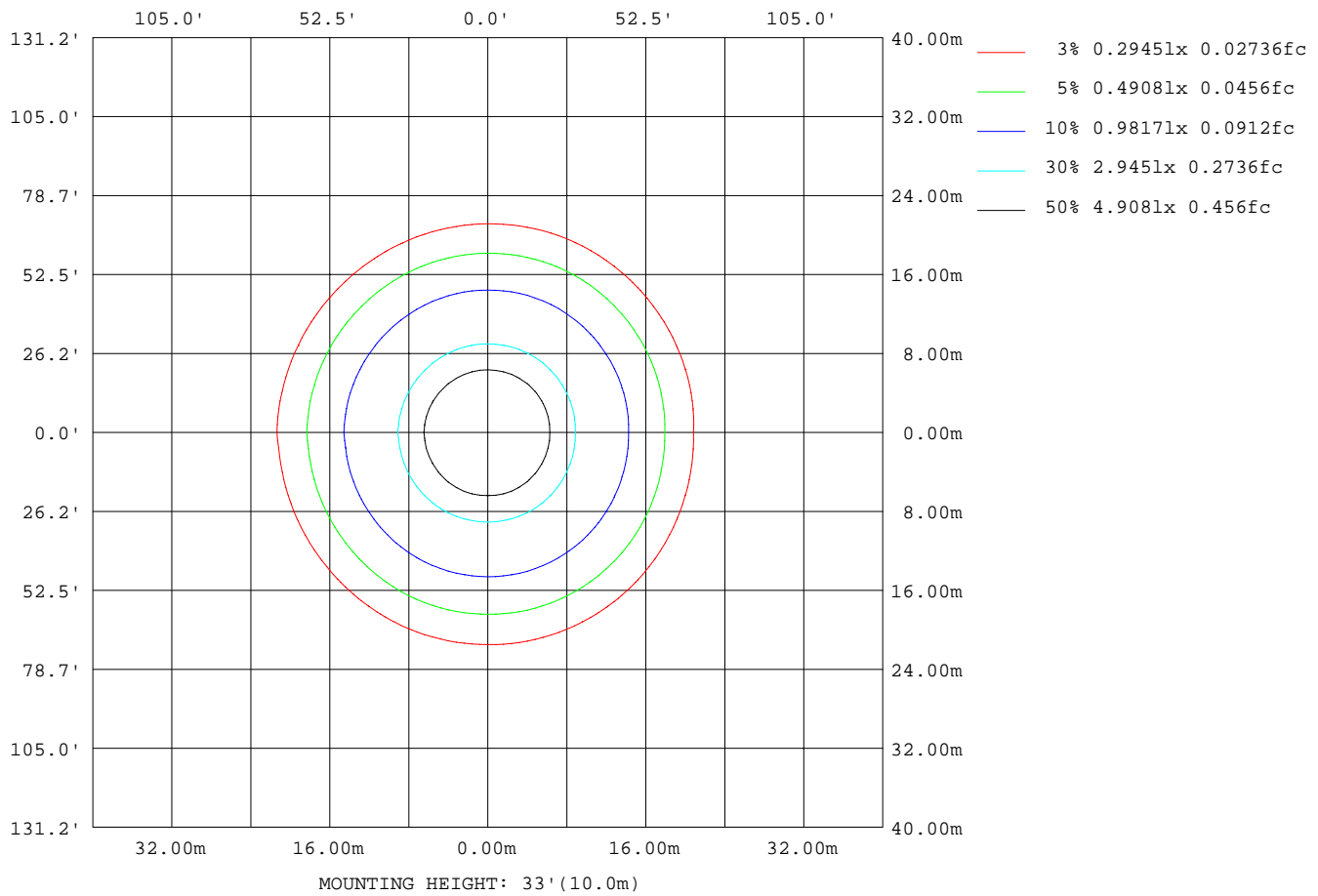
AAI Figure



C Range: 0 - 360DEG
 C Interval: 5.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators: DAMIN
 Test Date: 2015-10-15

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-2000B_V1 SYSTEM V2.0.351
 Humidity: 65.0%
 Test Distance: 4.950m [K=1.0000]
 Remarks:

ISOLUX DIAGRAM



C Range: 0 - 360DEG
 C Interval: 5.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators: DAMIN
 Test Date: 2015-10-15

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 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:23.98V I:1.620A P:38.86W PF:0.9999 Lamp Flux:2893.72x1 lm		
NAME: LED Strip	TYPE:Indoor lighting	WEIGHT:
SPEC.:2835 240LED WW	DIM.: 1000*10*1MM	SERIAL No.:2015101501
MFR.:	SUR.:1000*10mm	Shielding Angle:

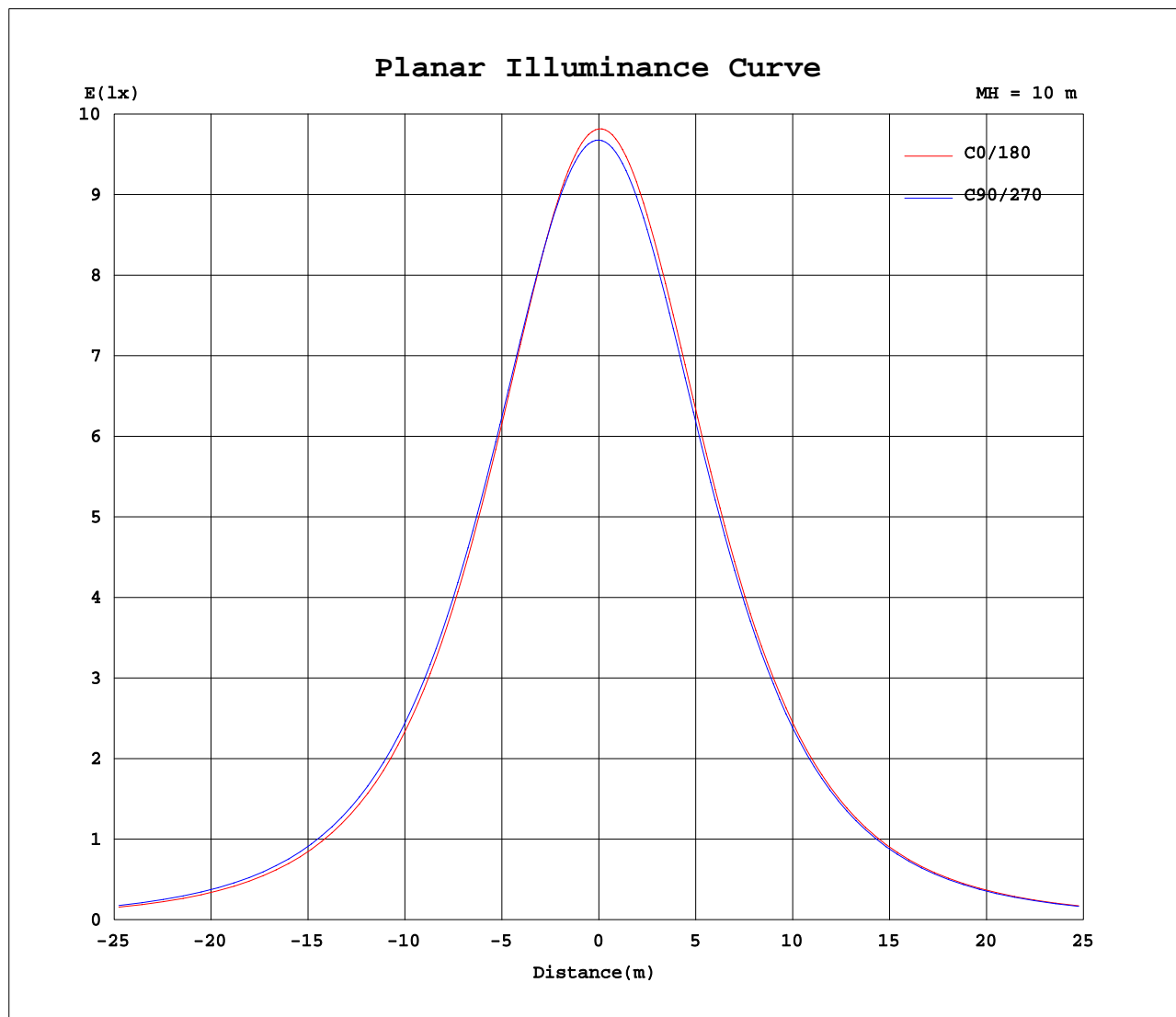
AvgL	cd/m2
L_0~180(65)av	87082
L_0~180(75)av	73428
L_0~180(85)av	40614
L_90~270(65)av	90341
L_90~270(75)av	78347
L_90~270(85)av	47592
L_45(65)av	88416
L_45(75)av	75039
L_45(85)av	43518

Standard: GB/T 29293-2012

C Range: 0 - 360DEG
 C Interval: 5.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:DAMIN
 Test Date:2015-10-15

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 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: 5.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: DAMIN
Test Date: 2015-10-15

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
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

Table--1

UNIT: cd

C(DEG) γ (DEG)	0	5	10	15	20	25	30	35	40	45	50	55	60	65	70	75	80	85	90
0	982	979	977	976	975	973	973	972	971	972	972	970	969	969	969	968	968	969	968
5	975	973	971	970	969	969	968	968	967	968	968	967	966	966	966	966	965	966	965
10	961	959	957	957	956	956	956	956	956	957	957	957	955	956	956	956	956	956	955
15	939	938	936	936	936	936	936	937	937	939	939	939	938	939	939	939	938	940	938
20	909	909	908	908	908	909	910	911	911	914	913	915	913	914	914	915	914	916	914
25	873	873	872	873	873	875	875	877	878	881	881	883	882	883	883	884	883	885	883
30	830	831	830	831	832	834	835	838	838	841	842	845	844	845	845	846	846	847	845
35	779	781	780	783	783	786	787	791	791	795	796	799	799	800	800	802	801	803	801
40	723	725	724	727	727	731	733	736	738	742	743	746	747	749	748	751	749	751	749
45	660	661	662	664	667	669	672	674	678	680	683	685	688	688	689	692	691	692	690
50	591	592	594	596	598	602	605	608	611	615	617	620	622	624	624	625	626	625	625
55	516	518	520	522	526	528	532	535	539	542	545	548	550	552	553	554	555	554	554
60	437	439	441	444	447	451	454	458	461	465	468	470	473	475	476	476	477	477	476
65	352	356	357	361	363	368	371	375	378	382	384	387	389	391	392	394	394	394	393
70	264	268	269	274	275	280	283	288	290	295	296	300	301	304	304	306	305	306	304
75	177	181	182	187	188	193	195	200	201	206	207	210	210	213	213	215	214	216	213
80	93.5	97.8	98.3	103	104	109	110	115	115	120	120	123	123	125	124	127	126	128	125
85	28.1	30.7	31.3	34.3	35.3	38.4	39.4	42.6	43.2	46.2	46.0	48.4	47.7	49.6	48.6	50.5	49.5	50.8	49.1
90	0.02	0.33	0.48	1.20	1.46	2.36	2.64	3.59	3.68	4.54	4.25	4.77	3.96	3.89	2.71	2.66	1.81	1.39	0.06
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	0.00	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
125	0.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.02	0.02	0.06	0.07	0.12	0.13	0.18	0.21	0.29
130	0.66	0.62	0.61	0.59	0.61	0.60	0.62	0.59	0.62	0.61	0.64	0.64	0.68	0.69	0.73	0.74	0.80	0.84	0.91
135	1.28	1.24	1.24	1.23	1.24	1.23	1.24	1.22	1.24	1.23	1.26	1.25	1.29	1.30	1.34	1.36	1.41	1.46	1.53
140	1.88	1.83	1.86	1.84	1.87	1.84	1.86	1.83	1.85	1.83	1.85	1.85	1.88	1.89	1.93	1.94	2.00	2.05	2.12
145	2.43	2.42	2.45	2.44	2.46	2.43	2.43	2.41	2.42	2.40	2.42	2.41	2.44	2.44	2.47	2.49	2.55	2.60	2.66
150	2.97	2.99	3.02	3.03	3.01	2.99	2.98	2.96	2.96	2.95	2.95	2.94	2.96	2.97	3.01	3.03	3.09	3.14	3.19
155	3.52	3.54	3.59	3.56	3.55	3.52	3.51	3.49	3.49	3.46	3.47	3.46	3.48	3.49	3.53	3.56	3.61	3.65	3.69
160	4.02	4.08	4.09	4.05	4.03	4.01	4.00	3.97	3.96	3.94	3.95	3.95	3.97	3.98	4.02	4.05	4.09	4.12	4.15
165	4.54	4.56	4.55	4.50	4.48	4.45	4.43	4.40	4.39	4.38	4.39	4.40	4.42	4.44	4.47	4.49	4.53	4.55	4.57
170	4.98	4.97	4.94	4.90	4.87	4.84	4.81	4.80	4.79	4.80	4.80	4.82	4.83	4.85	4.87	4.88	4.90	4.92	4.92
175	5.33	5.33	5.28	5.24	5.19	5.18	5.16	5.15	5.14	5.15	5.14	5.15	5.15	5.17	5.17	5.19	5.20	5.21	5.21
180	5.56	5.55	5.47	5.43	5.40	5.39	5.37	5.36	5.35	5.35	5.35	5.36	5.36	5.37	5.37	5.38	5.38	5.39	5.38

C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:2015-10-15

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
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

Table--2

UNIT: cd

C(DEG) γ (DEG)	95	100	105	110	115	120	125	130	135	140	145	150	155	160	165	170	175	180	185
0	967	967	968	970	972	971	972	974	977	975	975	976	977	977	978	979	978	982	979
5	965	964	965	967	969	969	970	971	974	973	973	973	974	974	976	977	976	980	978
10	955	955	956	957	959	959	960	961	964	962	963	963	964	964	965	966	966	971	968
15	938	938	939	940	943	941	943	944	946	945	945	945	946	946	948	949	949	954	950
20	914	914	915	916	919	917	919	920	921	920	920	920	921	921	923	923	923	929	925
25	884	883	884	885	887	885	887	888	888	887	888	887	888	888	890	890	890	896	892
30	846	845	847	847	849	847	849	850	849	847	849	847	848	848	850	850	851	856	852
35	802	800	802	802	803	801	804	803	802	800	802	800	801	800	802	802	803	809	805
40	750	748	750	750	750	749	751	749	748	746	747	745	746	745	747	746	748	755	750
45	688	690	691	691	688	690	691	688	686	685	684	683	683	684	684	685	685	692	688
50	625	625	625	625	623	624	622	620	619	617	616	615	614	615	615	616	615	623	621
55	553	553	553	552	551	551	548	546	544	543	541	541	540	540	540	540	541	549	546
60	476	475	475	474	473	471	468	467	464	463	461	461	461	460	461	461	462	469	465
65	393	392	391	390	388	385	383	380	379	376	376	375	375	374	374	374	376	384	380
70	304	303	303	300	299	295	293	289	289	286	286	284	285	283	284	283	286	294	289
75	214	212	212	208	207	203	202	198	198	195	196	194	195	193	195	194	197	203	198
80	127	124	124	119	118	114	114	111	111	108	109	107	108	106	108	107	110	116	112
85	51.2	48.7	47.7	44.1	43.6	40.9	40.9	38.8	39.1	37.3	37.8	36.4	37.2	36.0	37.2	36.4	38.2	42.7	39.3
90	3.02	2.14	2.00	1.50	2.07	2.02	2.52	2.17	2.43	1.92	2.06	1.49	1.55	0.96	1.10	0.62	0.97	1.69	0.81
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	0.00	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
125	0.26	0.21	0.17	0.17	0.13	0.13	0.09	0.08	0.03	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.02
130	0.90	0.84	0.79	0.79	0.75	0.75	0.71	0.70	0.66	0.64	0.59	0.56	0.51	0.49	0.44	0.42	0.39	0.60	0.65
135	1.53	1.47	1.40	1.39	1.37	1.36	1.33	1.32	1.28	1.26	1.21	1.19	1.13	1.11	1.06	1.05	1.01	1.22	1.25
140	2.12	2.08	1.99	1.97	1.94	1.94	1.91	1.90	1.87	1.86	1.81	1.79	1.74	1.72	1.67	1.66	1.61	1.80	1.83
145	2.68	2.64	2.57	2.53	2.49	2.48	2.45	2.44	2.41	2.40	2.36	2.33	2.30	2.27	2.23	2.22	2.19	2.37	2.39
150	3.21	3.19	3.12	3.07	3.02	3.00	2.97	2.94	2.92	2.91	2.87	2.85	2.82	2.80	2.76	2.75	2.72	2.91	2.92
155	3.71	3.70	3.65	3.61	3.54	3.50	3.47	3.44	3.41	3.39	3.36	3.34	3.31	3.29	3.26	3.25	3.23	3.44	3.42
160	4.17	4.17	4.14	4.10	4.05	4.01	3.96	3.92	3.89	3.87	3.83	3.81	3.78	3.76	3.73	3.72	3.72	3.95	3.90
165	4.58	4.59	4.57	4.55	4.51	4.48	4.44	4.40	4.36	4.34	4.30	4.27	4.25	4.22	4.20	4.20	4.20	4.43	4.36
170	4.94	4.94	4.94	4.93	4.91	4.89	4.88	4.85	4.82	4.79	4.76	4.74	4.72	4.70	4.68	4.69	4.72	4.94	4.84
175	5.22	5.22	5.23	5.22	5.22	5.20	5.20	5.19	5.19	5.18	5.16	5.14	5.14	5.12	5.13	5.12	5.17	5.36	5.27
180	5.38	5.38	5.38	5.37	5.37	5.37	5.37	5.36	5.36	5.36	5.36	5.35	5.35	5.36	5.37	5.39	5.44	5.56	5.53

C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:2015-10-15

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
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

Table--3

UNIT: cd

C(DEG) γ (DEG)	190	195	200	205	210	215	220	225	230	235	240	245	250	255	260	265	270	275	280
0	977	976	975	973	973	972	971	972	972	970	969	969	969	968	968	969	968	967	967
5	975	973	972	970	970	968	968	968	968	966	965	964	964	964	964	964	963	963	963
10	965	963	962	960	959	957	957	956	956	955	953	953	953	952	953	953	952	951	951
15	948	945	944	942	941	939	939	938	937	936	935	934	934	934	934	934	934	932	933
20	923	920	919	917	916	914	913	912	912	911	909	908	909	908	908	908	908	907	907
25	890	887	886	883	883	880	880	878	879	878	877	875	876	875	876	875	875	874	874
30	850	847	846	843	842	840	840	838	838	837	837	835	836	835	836	836	836	834	835
35	803	799	798	795	795	792	792	790	791	790	790	788	789	788	790	789	789	787	789
40	749	744	744	740	740	737	738	735	737	735	737	734	735	734	736	735	736	734	736
45	685	682	680	678	677	675	674	673	673	673	673	673	672	674	673	675	674	674	674
50	617	615	612	611	609	607	606	605	605	605	605	606	606	606	606	607	608	607	608
55	543	540	538	535	535	532	532	530	531	530	531	531	532	532	534	534	534	534	535
60	463	459	458	455	454	452	451	449	450	450	451	451	453	452	454	455	455	455	457
65	378	374	373	370	368	366	366	364	364	364	365	365	367	367	369	370	371	371	373
70	289	284	283	279	279	275	276	273	274	273	275	274	277	276	280	279	282	281	284
75	198	193	193	188	189	185	185	182	183	182	184	183	186	186	189	189	192	191	194
80	111	107	106	103	102	99.3	99.3	96.5	97.6	96.1	98.2	97.4	100	100	103	103	106	104	105
85	39.1	36.0	36.0	33.3	33.4	30.9	31.3	29.2	30.1	28.9	30.3	29.7	31.7	31.5	33.9	33.6	33.9	33.0	35.7
90	0.91	0.30	0.49	0.08	0.32	0.02	0.15	0.02	0.02	0.02	0.00	0.02	0.00	0.02	0.00	0.02	0.00	0.03	1.03
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	0.00	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
125	0.04	0.09	0.12	0.18	0.22	0.28	0.31	0.38	0.40	0.45	0.46	0.50	0.50	0.53	0.54	0.61	0.62	0.59	0.51
130	0.66	0.71	0.73	0.80	0.83	0.89	0.92	0.98	1.00	1.05	1.06	1.09	1.09	1.13	1.15	1.22	1.22	1.20	1.12
135	1.27	1.31	1.34	1.40	1.42	1.48	1.51	1.57	1.58	1.63	1.63	1.67	1.67	1.71	1.75	1.81	1.80	1.79	1.71
140	1.85	1.89	1.91	1.96	1.99	2.04	2.07	2.12	2.14	2.18	2.18	2.21	2.22	2.28	2.31	2.37	2.36	2.34	2.28
145	2.39	2.43	2.45	2.50	2.52	2.57	2.59	2.63	2.65	2.69	2.69	2.73	2.74	2.81	2.85	2.89	2.87	2.86	2.80
150	2.92	2.94	2.96	3.00	3.02	3.06	3.08	3.12	3.14	3.17	3.18	3.22	3.26	3.32	3.36	3.38	3.37	3.36	3.31
155	3.42	3.43	3.44	3.47	3.49	3.53	3.54	3.58	3.60	3.63	3.66	3.71	3.75	3.80	3.83	3.85	3.83	3.82	3.78
160	3.89	3.88	3.89	3.91	3.93	3.96	3.98	4.02	4.04	4.09	4.12	4.17	4.20	4.25	4.26	4.28	4.26	4.25	4.22
165	4.34	4.33	4.33	4.34	4.36	4.39	4.41	4.45	4.48	4.52	4.55	4.59	4.62	4.65	4.65	4.66	4.65	4.64	4.62
170	4.79	4.78	4.78	4.78	4.79	4.81	4.83	4.86	4.89	4.91	4.93	4.95	4.98	4.98	4.99	4.98	4.98	4.97	4.95
175	5.22	5.19	5.18	5.17	5.17	5.17	5.18	5.19	5.21	5.21	5.23	5.23	5.25	5.24	5.25	5.24	5.24	5.23	5.23
180	5.48	5.41	5.40	5.37	5.37	5.35	5.35	5.35	5.35	5.36	5.36	5.37	5.37	5.38	5.38	5.38	5.38	5.38	5.38

C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:2015-10-15

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
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

Table--4

UNIT: cd

C(DEG) γ (DEG)	285	290	295	300	305	310	315	320	325	330	335	340	345	350	355				
0	968	970	972	971	972	974	977	975	975	976	977	977	978	979	978				
5	964	965	967	967	967	970	972	971	971	971	972	972	973	973	972				
10	952	954	956	955	956	958	960	959	958	958	958	959	959	960	958				
15	933	935	937	936	936	939	940	939	938	938	938	938	938	939	937				
20	907	910	911	910	910	913	913	912	911	911	910	910	910	911	908				
25	875	877	878	877	877	880	878	878	876	876	875	875	875	875	872				
30	835	837	837	837	837	840	837	837	835	835	833	833	832	832	829				
35	789	791	790	791	790	793	789	789	787	787	784	785	783	783	780				
40	735	738	736	737	737	738	734	735	731	732	729	730	728	727	724				
45	676	676	676	675	677	674	673	671	670	668	667	666	665	663	661				
50	610	609	609	610	609	607	606	604	603	601	600	599	598	596	593				
55	537	536	536	537	535	534	532	532	529	528	527	525	524	522	520				
60	457	458	458	457	456	455	453	452	450	449	447	446	444	443	440				
65	373	374	373	372	371	371	370	369	367	366	365	363	361	360	357				
70	283	285	283	284	282	283	281	281	279	279	276	276	273	273	270				
75	193	195	193	194	192	193	191	192	190	191	188	188	185	185	181				
80	104	106	105	107	106	107	106	107	105	106	103	104	102	103	99.5				
85	35.5	37.2	36.2	37.5	36.8	38.2	37.2	38.2	36.7	37.5	35.8	36.1	34.2	34.2	32.1				
90	0.81	1.52	1.58	2.48	2.45	3.03	2.85	3.20	2.80	2.92	2.34	2.38	1.70	1.69	0.97				
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				
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				
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				
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				
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				
120	0.00	0.01	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				
125	0.55	0.53	0.45	0.39	0.37	0.32	0.32	0.28	0.27	0.23	0.24	0.21	0.22	0.22	0.25				
130	1.09	1.04	1.02	0.97	0.96	0.92	0.92	0.88	0.89	0.85	0.86	0.84	0.85	0.82	0.87				
135	1.67	1.61	1.59	1.55	1.54	1.51	1.52	1.49	1.49	1.46	1.48	1.46	1.47	1.44	1.46				
140	2.23	2.17	2.14	2.10	2.10	2.08	2.09	2.06	2.07	2.04	2.06	2.05	2.05	2.02	2.02				
145	2.76	2.70	2.67	2.63	2.63	2.61	2.62	2.61	2.62	2.59	2.62	2.61	2.62	2.60	2.58				
150	3.27	3.21	3.18	3.14	3.14	3.12	3.13	3.12	3.13	3.12	3.14	3.14	3.17	3.13	3.13				
155	3.75	3.70	3.68	3.63	3.62	3.60	3.61	3.60	3.62	3.62	3.62	3.63	3.66	3.65	3.63				
160	4.19	4.16	4.13	4.10	4.08	4.06	4.06	4.06	4.07	4.07	4.09	4.08	4.11	4.12	4.09				
165	4.59	4.57	4.55	4.52	4.50	4.48	4.48	4.47	4.48	4.49	4.51	4.51	4.52	4.54	4.55				
170	4.94	4.92	4.90	4.89	4.87	4.85	4.83	4.83	4.83	4.84	4.86	4.90	4.91	4.94	4.96				
175	5.21	5.21	5.19	5.19	5.16	5.16	5.15	5.15	5.15	5.17	5.17	5.20	5.21	5.25	5.28				
180	5.38	5.38	5.37	5.37	5.37	5.37	5.36	5.36	5.36	5.36	5.35	5.36	5.37	5.39	5.44				

C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:2015-10-15

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.351
Humidity:65.0%
Test Distance:4.950m [K=1.0000]
Remarks: