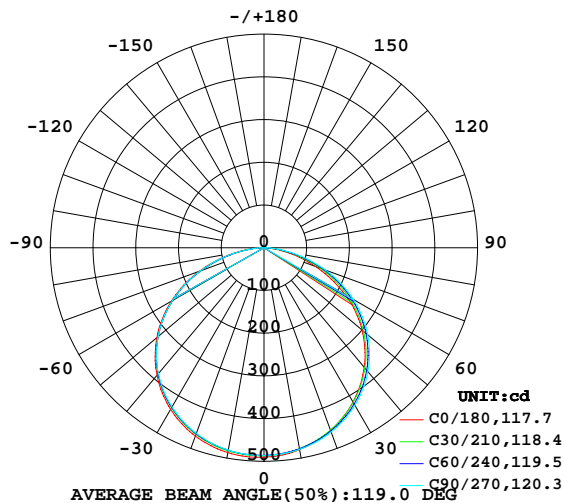


LUMINAIRE PHOTOMETRIC TEST REPORT

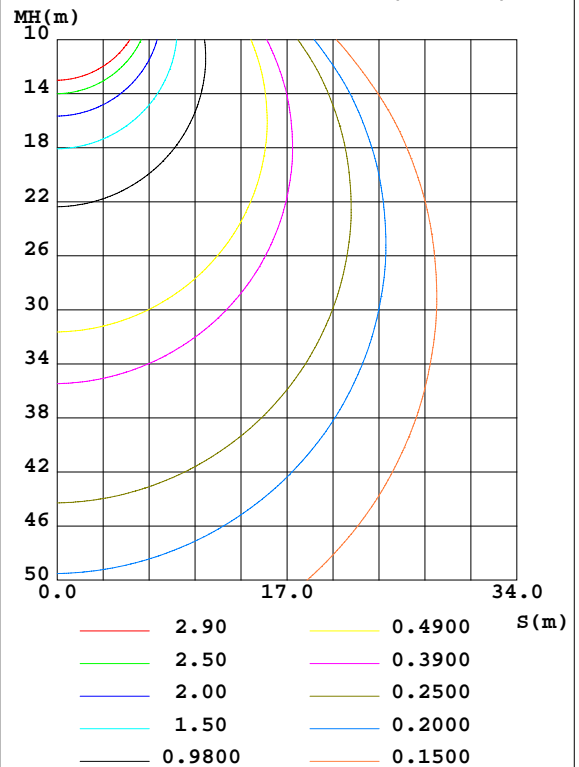
Test:U:24.00V I:0.6484A P:15.56W PF:1.0000 Lamp Flux:1514.75x1 lm		
NAME: LED Strip	TYPE:Indoor lighting	WEIGHT:25g
SPEC.:2835 168LED WW	DIM.: 1000*8*1MM	SERIAL No.:2015062501
MFR.:	SUR.:1000*8mm	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 97.35 lm/W			
MODEL	168B-24(WCP)-10-HR	Imax(cd)	492.6	S/MH(C0/180)	1.32
NOMINAL POWER(W)	20.15	LOR(%)	100.0	S/MH(C90/270)	1.32
RATED VOLTAGE(V)	DC 24	TOTAL FLUX(lm)	1514.8	η UP,DN(C0-180)	0.6,48.9
NOMINAL FLUX(lm)	1514.75	CIE CLASS	DIRECT	η UP,DN(C180-360)	0.7,49.8
LAMPS INSIDE	1	η up(%)	1.3	CIBSE SHR NOM	1.50
TEST VOLTAGE(V)	24	η down(%)	98.7	CIBSE SHR MAX	1.50

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:2015-06-25

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

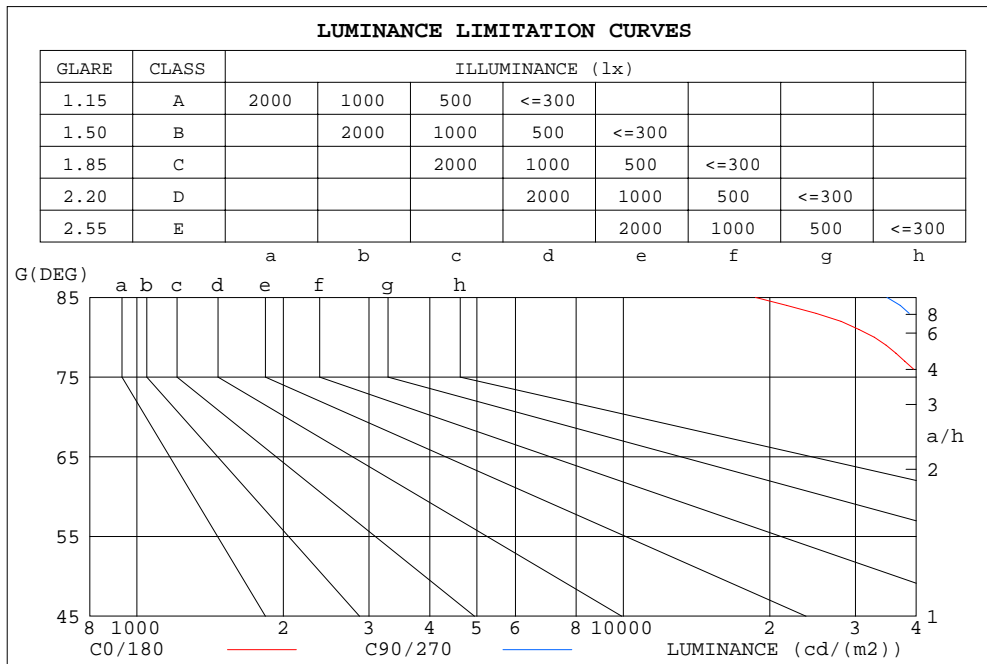
ZONAL FLUX DIAGRAM:

γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum, lamp
10	479.8	477.8	479.2	487.1	487.1	482.2	481.1	485.4	0- 10	46.32	46.32	3.06,3.06
20	455.3	455.7	459.1	468.0	469.3	464.2	462.7	464.5	10- 20	133.8	180.1	11.9,11.9
30	416.9	420.3	425.6	434.5	437.0	432.0	430.7	429.6	20- 30	206.0	386.1	25.5,25.5
40	364.9	371.4	378.3	386.0	389.5	385.1	384.5	380.4	30- 40	253.9	640.0	42.3,42.3
50	300.0	308.5	316.9	322.5	327.5	323.0	323.5	317.1	40- 50	270.2	910.3	60.1,60.1
60	218.8	231.8	241.2	243.7	250.5	245.8	247.5	239.7	50- 60	250.6	1161	76.6,76.6
70	128.1	144.4	153.1	153.2	161.1	156.2	158.5	150.9	60- 70	194.6	1356	89.5,89.5
80	45.58	55.69	61.62	60.76	68.70	63.12	65.45	59.79	70- 80	110.7	1466	96.8,96.8
90	2.110	4.002	3.115	4.308	5.685	4.864	3.103	3.991	80- 90	28.59	1495	98.7,98.7
100	1.633	1.627	1.738	1.572	1.708	1.665	1.798	1.703	90-100	2.346	1497	98.8,98.8
110	2.218	2.253	2.352	2.186	2.130	2.293	2.428	2.342	100-110	2.058	1499	99,99
120	2.863	2.900	3.024	2.844	2.786	2.955	3.103	2.992	110-120	2.576	1502	99.1,99.1
130	3.488	3.507	3.654	3.471	3.410	3.574	3.714	3.602	120-130	2.897	1505	99.3,99.3
140	4.080	4.115	4.249	4.067	4.001	4.142	4.277	4.173	130-140	2.968	1508	99.5,99.5
150	4.612	4.657	4.770	4.599	4.551	4.644	4.789	4.688	140-150	2.757	1510	99.7,99.7
160	5.118	5.128	5.229	5.076	5.067	5.103	5.237	5.135	150-160	2.263	1513	99.9,99.9
170	5.592	5.527	5.599	5.542	5.587	5.551	5.601	5.518	160-170	1.510	1514	100,100
180	5.887	5.794	5.806	5.791	5.890	5.795	5.808	5.790	170-180	0.5405	1515	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:2015-06-25

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:

LUMINANCE LIMITATION CURVES



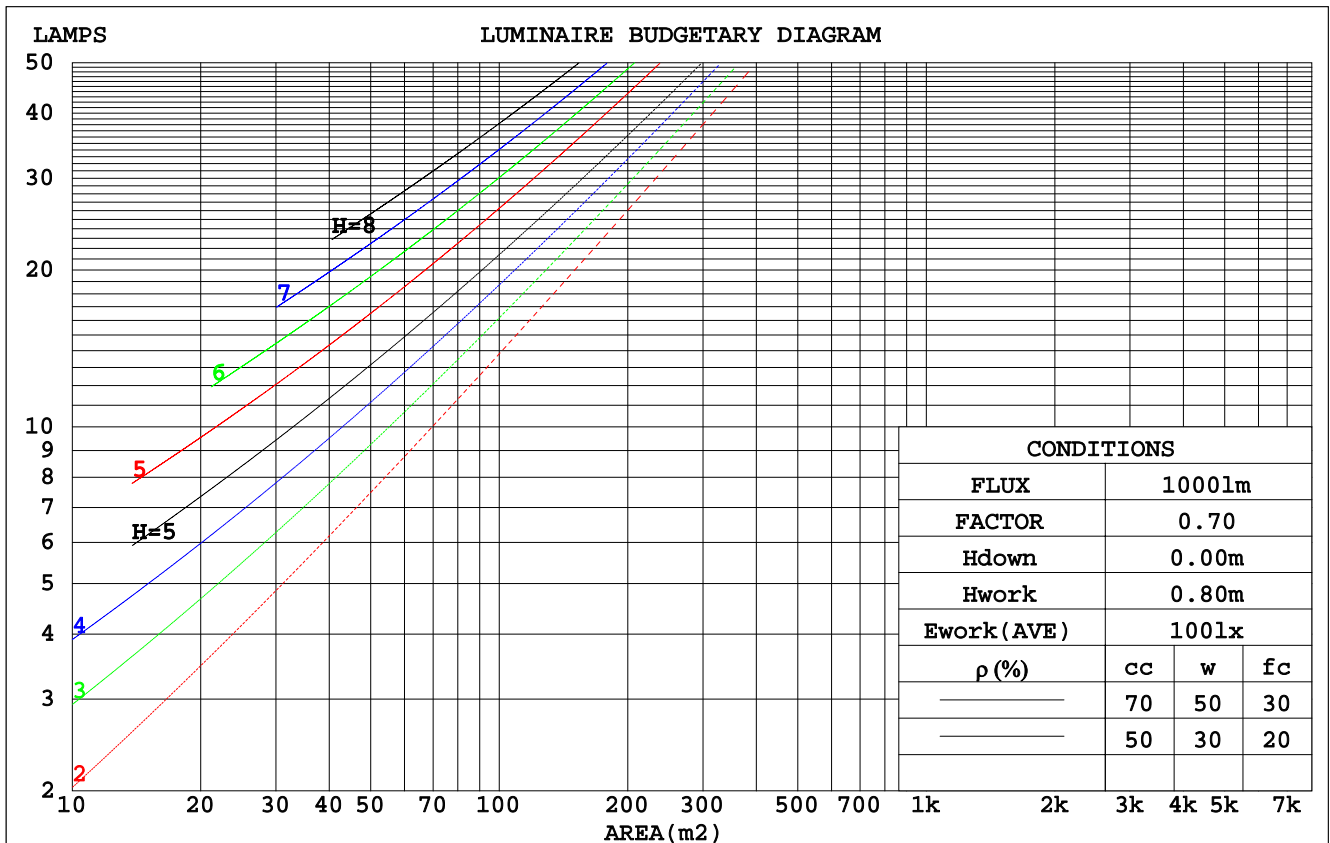
LUMINANCE cd/(m2)		
G(DEG)	C0/180	C90/270
85	18688	34840
80	32810	44361
75	41055	51454
70	46829	55965
65	51397	58710
60	54702	60308
55	57082	61202
50	58332	61628
45	59029	61761

C Range: 0 - 360DEG
 C Interval: 5.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators: DAMIN
 Test Date: 2015-06-25

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	1.10	1.10	1.10	1.05	1.05	1.05	1.01	1.01	1.01	.99
1.0	1.03	.99	.95	1.01	.97	.93	.96	.93	.90	.92	.90	.87	.88	.86	.84	.82
2.0	.90	.83	.77	.88	.81	.76	.84	.78	.74	.80	.76	.72	.77	.73	.70	.68
3.0	.78	.70	.63	.77	.69	.63	.74	.67	.62	.71	.65	.60	.68	.63	.59	.57
4.0	.69	.60	.53	.68	.59	.53	.65	.58	.52	.63	.56	.51	.60	.55	.50	.48
5.0	.62	.53	.46	.61	.52	.45	.58	.51	.45	.56	.49	.44	.54	.48	.44	.41
6.0	.55	.46	.40	.54	.46	.40	.52	.45	.39	.51	.44	.39	.49	.43	.38	.36
7.0	.50	.41	.35	.49	.41	.35	.48	.40	.34	.46	.39	.34	.45	.38	.34	.32
8.0	.46	.37	.31	.45	.37	.31	.43	.36	.31	.42	.35	.30	.41	.35	.30	.28
9.0	.42	.34	.28	.41	.33	.28	.40	.33	.28	.39	.32	.27	.38	.32	.27	.25
10.0	.39	.31	.25	.38	.30	.25	.37	.30	.25	.36	.29	.25	.35	.29	.25	.23



C Range: 0 - 360DEG
 C Interval: 5.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators: DAMIN
 Test Date: 2015-06-25

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
pw	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
pfc	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio						Wall Exitance Coefficients(WEC)									
0.0																
1.0	.315	.179	.057	.307	.175	.056	.293	.168	.054	.280	.162	.052	.268	.155	.050	
2.0	.296	.162	.050	.289	.159	.049	.277	.154	.048	.266	.149	.047	.255	.144	.045	
3.0	.274	.146	.044	.268	.143	.043	.257	.139	.042	.247	.135	.041	.237	.131	.041	
4.0	.252	.131	.039	.247	.129	.038	.237	.126	.038	.228	.123	.037	.220	.119	.036	
5.0	.233	.119	.034	.228	.117	.034	.220	.114	.034	.212	.112	.033	.204	.109	.033	
6.0	.216	.108	.031	.212	.107	.031	.204	.105	.030	.197	.102	.030	.190	.100	.030	
7.0	.201	.099	.028	.197	.098	.028	.190	.096	.028	.184	.094	.027	.177	.092	.027	
8.0	.187	.092	.026	.184	.091	.026	.178	.089	.025	.172	.087	.025	.166	.085	.025	
9.0	.175	.085	.024	.172	.084	.024	.167	.082	.023	.161	.081	.023	.156	.079	.023	
10.0	.165	.079	.022	.162	.078	.022	.157	.077	.022	.152	.076	.021	.148	.074	.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	.200	.200	.200	.171	.171	.171	.117	.117	.117	.067	.067	.067	.021	.021	.021	
1.0	.191	.166	.144	.163	.143	.124	.112	.098	.086	.064	.057	.050	.021	.018	.016	
2.0	.183	.142	.108	.157	.122	.093	.107	.085	.065	.062	.049	.038	.020	.016	.012	
3.0	.175	.125	.084	.150	.107	.073	.103	.075	.051	.060	.044	.030	.019	.014	.010	
4.0	.168	.111	.068	.144	.096	.059	.099	.067	.042	.057	.039	.025	.018	.013	.008	
5.0	.161	.101	.057	.138	.087	.050	.095	.061	.035	.055	.036	.021	.018	.012	.007	
6.0	.153	.093	.049	.132	.080	.043	.091	.056	.030	.053	.033	.018	.017	.011	.006	
7.0	.147	.086	.043	.126	.074	.038	.087	.052	.027	.051	.031	.016	.016	.010	.005	
8.0	.140	.080	.039	.121	.069	.034	.083	.049	.024	.049	.029	.014	.016	.009	.005	
9.0	.134	.075	.035	.115	.065	.031	.080	.046	.022	.047	.027	.013	.015	.009	.004	
10.0	.128	.071	.033	.110	.062	.029	.077	.043	.020	.045	.026	.012	.014	.008	.004	

C Range: 0 - 360DEG
 C Interval: 5.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators: DAMIN
 Test Date: 2015-06-25

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	26.8	28.3	27.1	28.5	28.8	27.1	28.7	27.4	28.9	29.1
3H	28.2	29.6	28.5	29.9	30.1	28.8	30.2	29.1	30.4	30.7
4H	28.7	30.0	29.0	30.3	30.6	29.4	30.7	29.7	31.0	31.3
6H	29.0	30.3	29.3	30.5	30.9	29.8	31.1	30.1	31.4	31.7
8H	29.0	30.3	29.4	30.6	30.9	29.9	31.1	30.3	31.4	31.8
12H	29.0	30.2	29.4	30.5	30.9	30.0	31.1	30.3	31.5	31.8
4H 2H	27.5	28.8	27.8	29.1	29.4	27.7	29.1	28.1	29.3	29.6
3H	29.1	30.2	29.4	30.5	30.9	29.5	30.7	29.9	31.0	31.3
4H	29.7	30.7	30.1	31.1	31.5	30.2	31.3	30.6	31.7	32.0
6H	30.1	31.0	30.5	31.4	31.8	30.8	31.7	31.2	32.1	32.5
8H	30.2	31.1	30.6	31.4	31.9	30.9	31.8	31.4	32.2	32.6
12H	30.2	31.0	30.6	31.4	31.8	31.0	31.9	31.5	32.3	32.7
8H 4H	30.0	30.8	30.4	31.2	31.6	30.5	31.3	30.9	31.7	32.2
6H	30.5	31.2	31.0	31.7	32.1	31.1	31.9	31.6	32.3	32.7
8H	30.6	31.3	31.1	31.7	32.2	31.4	32.0	31.8	32.5	32.9
12H	30.7	31.3	31.2	31.7	32.3	31.5	32.1	32.0	32.6	33.1
12H 4H	30.0	30.8	30.4	31.2	31.6	30.5	31.3	30.9	31.7	32.1
6H	30.5	31.2	31.0	31.6	32.1	31.2	31.8	31.6	32.3	32.7
8H	30.7	31.3	31.2	31.8	32.3	31.4	32.0	31.9	32.5	33.0
Variations with the observer position at spacings:										
S = 1.0H	+ 0.1 / - 0.2					+ 0.1 / - 0.2				
1.5H	+ 0.2 / - 0.4					+ 0.2 / - 0.3				
2.0H	+ 0.2 / - 0.4					+ 0.2 / - 0.3				

CIE Pub.117 Corrected 1515 lm Total Lamp Luminous Flux.(8log(F/F0) = 1.4)

C Range: 0 - 360DEG
 C Interval: 5.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:DAMIN
 Test Date:2015-06-25

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:

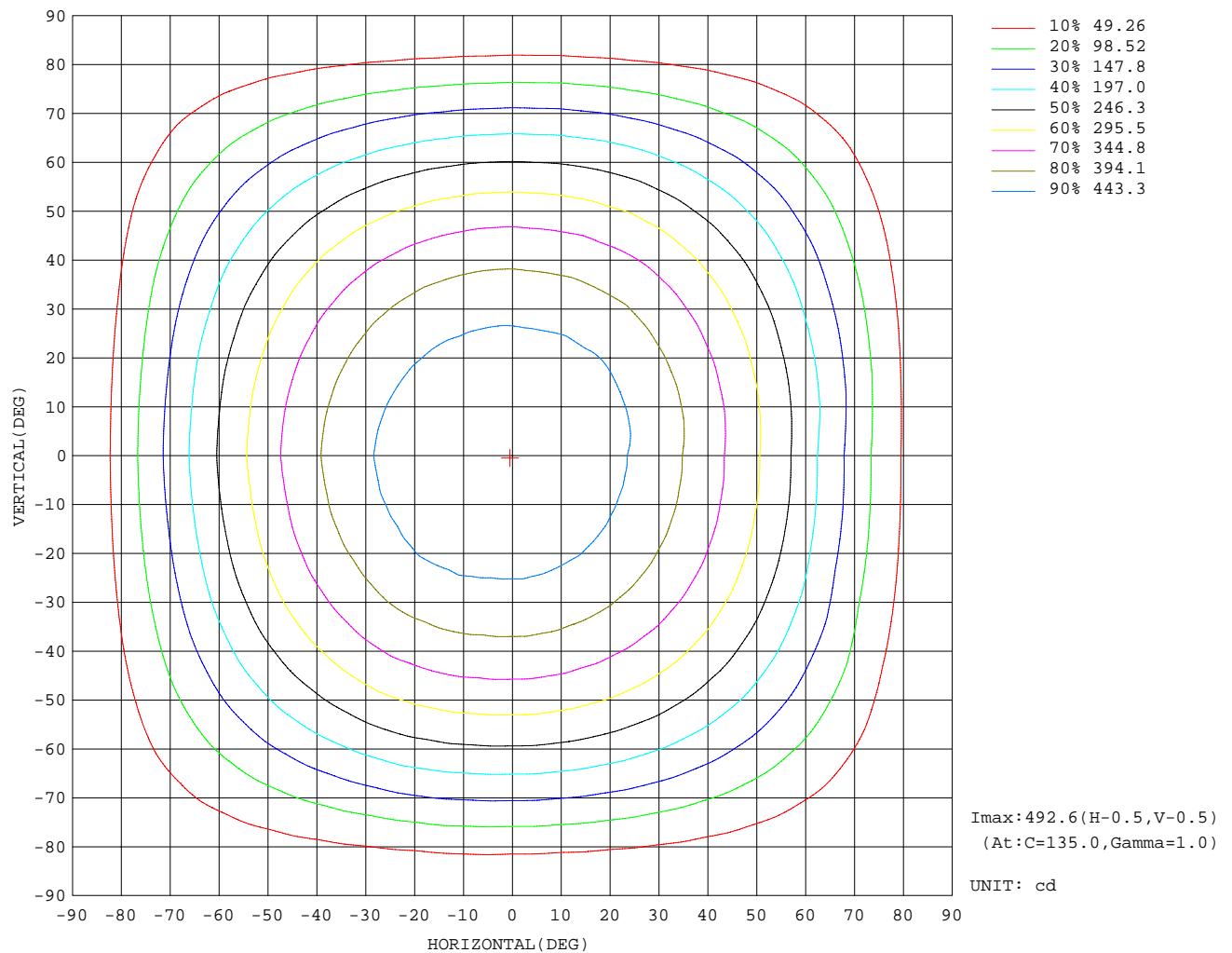
UTILIZATION FACTORS TABLE

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	56	44	37	55	44	37	54	43	37	30
0.80	66	54	47	65	54	47	63	53	46	39
1.00	75	63	56	73	63	56	71	64	55	48
1.25	82	71	64	80	70	63	77	69	62	55
1.50	87	77	70	85	76	69	82	74	68	60
2.00	94	85	79	92	84	78	88	82	76	68
2.50	98	90	84	96	89	83	92	86	81	72
3.00	101	94	89	99	93	88	95	90	85	76
4.00	106	100	95	103	98	93	99	94	91	81
5.00	108	103	99	105	101	97	101	97	94	84
ROOM INDEX	UF(total)									Direct
According to DIN EN 13032-2 2004						Suspended			SHRNOM = 1.25	

C Range: 0 - 360DEG
 C Interval: 5.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators: DAMIN
 Test Date: 2015-06-25

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:

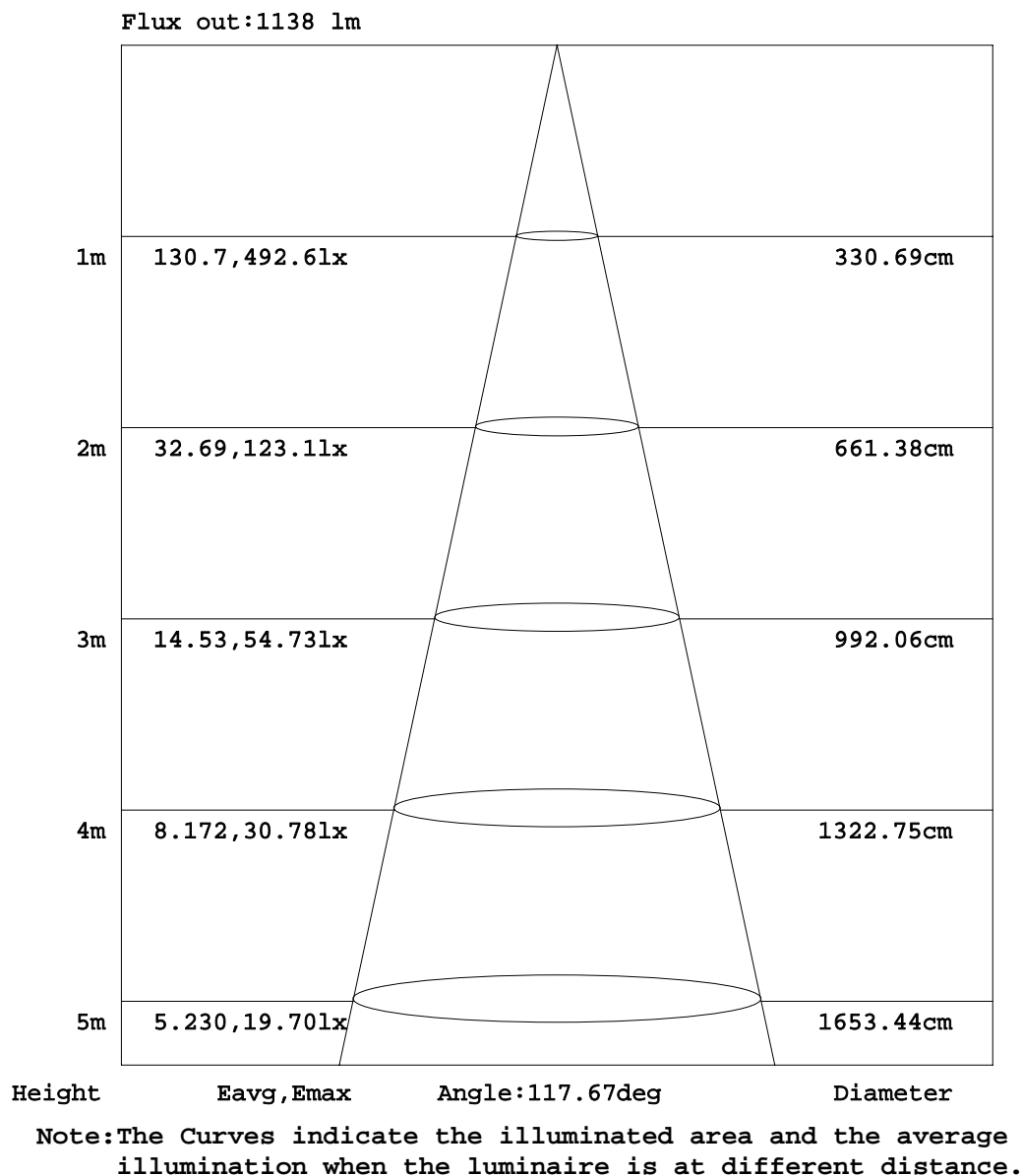
ISOCANDELA DIAGRAM



C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: DAMIN
Test Date: 2015-06-25

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:

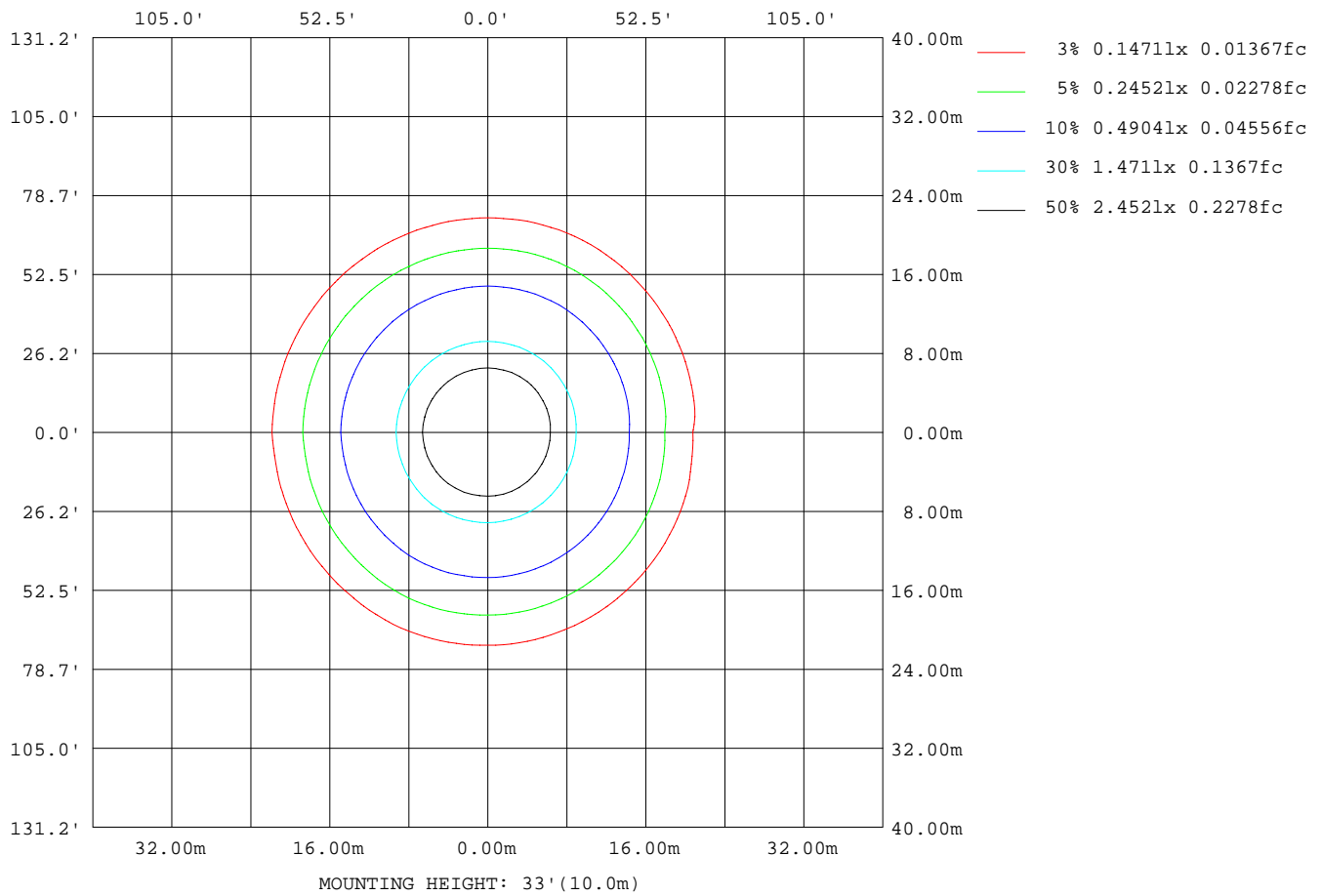
AAI Figure



C Range: 0 - 360DEG
 C Interval: 5.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:DAMIN
 Test Date:2015-06-25

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: 2015-06-25

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:24.00V I:0.6484A P:15.56W PF:1.0000 Lamp Flux:1514.75x1 lm		
NAME: LED Strip	TYPE:Indoor lighting	WEIGHT:25g
SPEC.:2835 168LED WW	DIM.: 1000*8*1MM	SERIAL No.:2015062501
MFR.:	SUR.:1000*8mm	Shielding Angle:

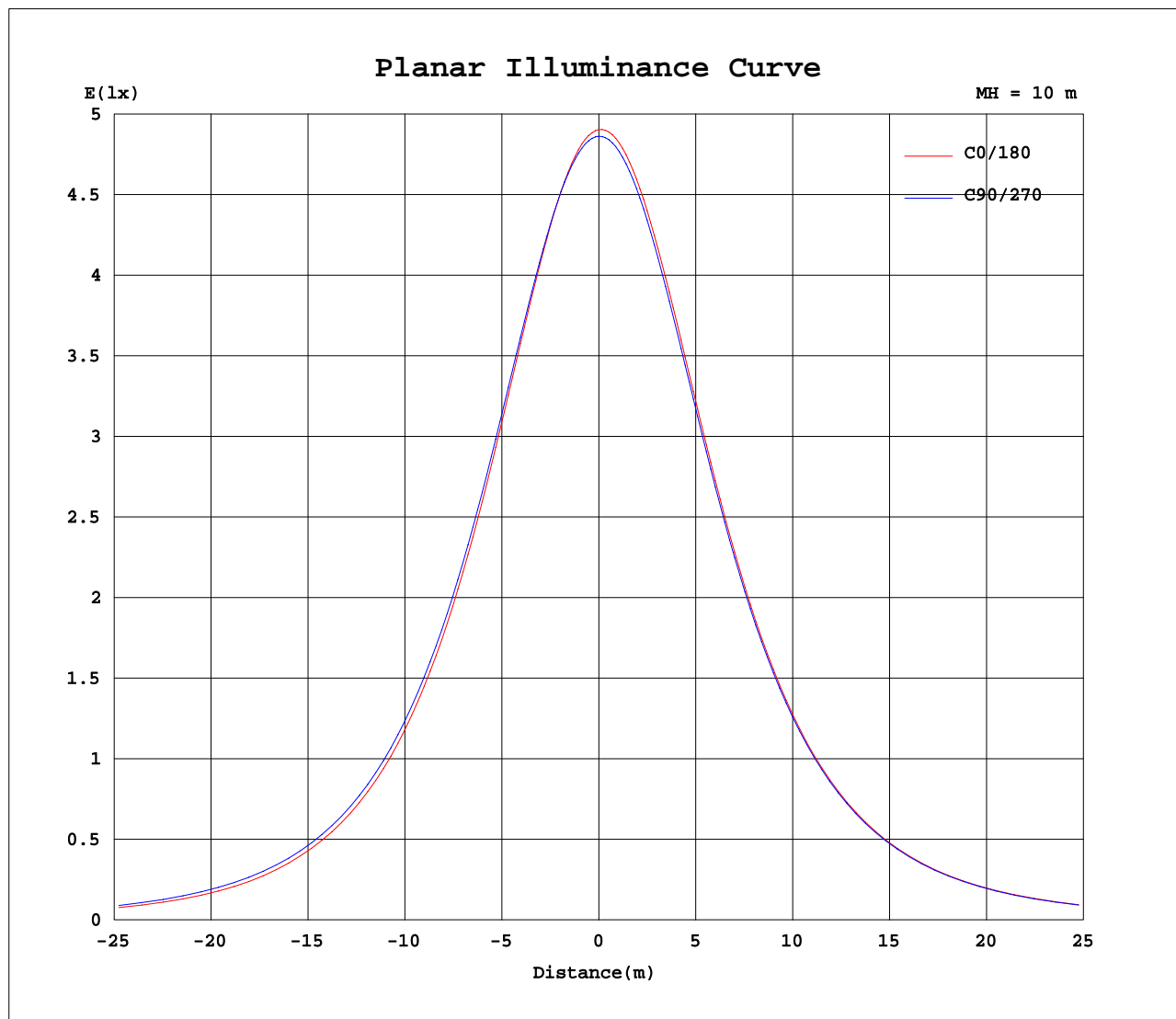
AvgL	cd/m2
L_0~180(65)av	56354
L_0~180(75)av	48154
L_0~180(85)av	30198
L_90~270(65)av	59573
L_90~270(75)av	52601
L_90~270(85)av	36487
L_45(65)av	58278
L_45(75)av	50476
L_45(85)av	32905

Standard: GB/T 29293-2012

C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:2015-06-25

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: 2015-06-25

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	490	490	489	488	488	487	487	487	486	486	487	487	486	486	486	486	486	487	486
5	487	486	486	485	485	484	484	484	484	484	484	484	483	483	484	484	484	485	484
10	480	479	479	478	478	477	477	478	478	478	478	478	478	478	478	479	479	479	479
15	469	469	468	468	468	468	468	468	468	468	469	469	469	469	470	470	470	471	471
20	455	455	455	454	454	454	454	455	455	456	456	457	457	457	458	458	458	459	459
25	438	438	437	437	437	438	438	439	439	440	440	441	441	442	442	443	443	444	444
30	417	417	417	417	417	418	418	419	419	420	421	422	422	423	423	425	425	426	426
35	393	393	393	393	393	394	394	396	396	398	398	400	400	401	401	403	403	404	404
40	365	365	365	366	366	367	368	369	370	371	372	374	374	375	375	377	377	379	378
45	334	335	334	336	336	338	338	339	340	342	342	344	345	346	346	348	348	350	349
50	300	301	301	302	302	304	304	306	306	309	309	311	312	314	314	316	316	317	317
55	262	263	263	264	265	266	267	269	270	272	273	275	275	277	278	279	280	281	281
60	219	221	222	225	225	227	227	229	230	232	233	235	236	237	238	240	240	242	241
65	174	175	176	182	182	184	185	187	187	189	190	192	193	195	195	197	197	199	198
70	128	129	130	136	137	139	140	142	142	144	145	147	147	149	150	151	152	153	153
75	85.0	86.5	86.4	92.4	92.4	94.4	94.8	96.6	97.1	98.9	99.3	101	101	103	103	105	105	107	107
80	45.6	46.8	46.7	49.8	50.3	51.9	52.1	53.9	53.9	55.7	55.7	57.4	57.4	58.9	58.8	60.2	60.2	61.9	61.6
85	13.0	13.7	13.8	16.8	17.0	18.2	18.5	19.6	19.7	20.8	20.8	21.9	21.8	22.7	22.5	23.5	23.4	24.3	24.3
90	2.11	2.25	2.32	3.00	3.08	3.36	3.45	3.70	3.77	4.00	4.04	4.19	4.09	4.16	4.00	4.09	4.03	3.96	3.12
95	1.80	1.83	1.87	1.95	2.02	2.07	2.12	2.15	2.13	2.12	1.99	1.86	1.66	1.61	1.65	1.73	1.86	1.92	1.96
100	1.63	1.63	1.63	1.61	1.61	1.61	1.60	1.61	1.62	1.63	1.63	1.65	1.66	1.67	1.68	1.70	1.72	1.73	1.74
105	1.90	1.89	1.89	1.87	1.88	1.89	1.89	1.91	1.92	1.93	1.94	1.95	1.96	1.97	1.97	1.98	1.99	2.00	2.00
110	2.22	2.22	2.21	2.20	2.21	2.21	2.22	2.23	2.24	2.25	2.26	2.27	2.29	2.30	2.31	2.32	2.33	2.34	2.35
115	2.55	2.54	2.54	2.53	2.53	2.54	2.55	2.56	2.57	2.58	2.59	2.60	2.61	2.63	2.63	2.65	2.66	2.68	2.70
120	2.86	2.86	2.85	2.84	2.85	2.86	2.87	2.88	2.89	2.90	2.91	2.92	2.93	2.94	2.95	2.97	2.98	3.00	3.02
125	3.18	3.17	3.16	3.15	3.17	3.17	3.18	3.19	3.20	3.21	3.21	3.22	3.23	3.24	3.26	3.27	3.29	3.31	3.34
130	3.49	3.48	3.48	3.48	3.49	3.49	3.50	3.50	3.50	3.51	3.52	3.53	3.54	3.55	3.57	3.58	3.60	3.62	3.65
135	3.79	3.78	3.78	3.78	3.79	3.80	3.80	3.81	3.81	3.82	3.83	3.83	3.85	3.86	3.87	3.88	3.90	3.93	3.96
140	4.08	4.08	4.09	4.09	4.10	4.10	4.10	4.10	4.11	4.12	4.12	4.13	4.14	4.15	4.16	4.17	4.19	4.22	4.25
145	4.35	4.36	4.38	4.38	4.39	4.39	4.38	4.39	4.39	4.39	4.40	4.40	4.41	4.42	4.43	4.44	4.46	4.49	4.52
150	4.61	4.64	4.65	4.66	4.66	4.66	4.65	4.66	4.65	4.66	4.65	4.66	4.66	4.67	4.68	4.70	4.72	4.75	4.77
155	4.87	4.90	4.92	4.92	4.91	4.91	4.91	4.91	4.90	4.90	4.90	4.91	4.91	4.92	4.92	4.95	4.97	5.00	5.01
160	5.12	5.15	5.17	5.16	5.15	5.15	5.14	5.14	5.13	5.13	5.12	5.13	5.13	5.15	5.16	5.18	5.19	5.22	5.23
165	5.35	5.40	5.39	5.38	5.37	5.37	5.34	5.34	5.33	5.33	5.33	5.34	5.34	5.36	5.37	5.39	5.40	5.42	5.43
170	5.59	5.60	5.58	5.57	5.55	5.54	5.53	5.53	5.52	5.53	5.52	5.54	5.54	5.55	5.56	5.58	5.58	5.60	5.60
175	5.77	5.78	5.75	5.74	5.71	5.71	5.69	5.69	5.68	5.69	5.69	5.70	5.69	5.71	5.71	5.72	5.72	5.74	5.73
180	5.89	5.88	5.84	5.83	5.81	5.82	5.80	5.80	5.79	5.79	5.80	5.80	5.80	5.80	5.81	5.81	5.81	5.81	5.81

C Range: 0 - 360DEG
 C Interval: 5.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators: DAMIN
 Test Date: 2015-06-25

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	486	486	487	488	489	489	490	491	493	492	492	492	491	492	492	492	491	490	490
5	484	484	485	486	488	488	488	489	491	491	491	491	491	491	491	491	491	491	490
10	479	479	480	481	483	483	484	485	487	487	487	486	486	487	487	487	487	487	486
15	471	471	472	473	475	475	476	477	479	479	479	478	479	479	480	480	480	480	479
20	459	459	461	462	464	464	465	466	468	467	468	467	467	468	469	469	469	469	468
25	444	444	446	447	449	449	450	451	453	452	453	452	452	453	453	454	454	455	454
30	426	426	428	429	431	430	432	433	435	434	434	433	434	434	435	435	436	437	436
35	405	404	406	407	409	408	410	411	412	411	412	411	412	412	413	413	414	415	414
40	379	379	381	382	383	383	385	386	386	385	385	384	386	386	387	387	387	390	389
45	350	350	352	353	354	354	356	356	356	355	355	355	356	356	357	357	358	360	359
50	318	318	320	320	321	322	324	322	323	321	322	321	323	322	324	324	325	328	326
55	282	282	284	284	285	286	286	285	285	284	284	284	285	285	286	286	287	291	290
60	242	242	244	244	246	245	245	244	244	243	244	244	245	244	246	246	248	251	249
65	200	200	201	201	202	201	201	199	200	199	200	199	201	201	202	202	204	207	206
70	154	154	156	155	155	154	154	153	153	153	153	153	154	154	155	156	157	161	160
75	108	108	109	107	107	106	106	105	106	105	106	106	108	108	109	109	111	114	113
80	63.2	62.8	63.0	60.9	61.2	59.7	60.6	59.4	60.8	59.9	61.3	60.7	62.4	62.1	64.0	63.9	65.8	68.7	67.5
85	25.8	24.8	24.4	23.2	23.4	22.7	23.2	22.6	23.4	23.0	23.9	23.7	24.7	24.8	25.8	26.0	27.3	29.1	28.6
90	4.63	4.30	4.16	3.94	4.12	4.06	4.27	4.16	4.31	4.20	4.41	4.33	4.61	4.55	4.93	4.89	5.39	5.68	5.31
95	2.08	1.97	1.81	1.70	1.65	1.67	1.85	1.97	2.08	2.07	2.06	2.01	1.95	1.88	1.79	1.72	1.65	1.76	1.80
100	1.75	1.73	1.70	1.67	1.65	1.63	1.61	1.59	1.57	1.55	1.55	1.55	1.55	1.57	1.58	1.59	1.58	1.71	1.71
105	1.99	1.98	1.97	1.96	1.95	1.93	1.91	1.88	1.86	1.83	1.81	1.78	1.76	1.74	1.72	1.70	1.69	1.82	1.82
110	2.33	2.32	2.31	2.30	2.28	2.26	2.24	2.21	2.19	2.16	2.13	2.11	2.08	2.06	2.03	2.02	2.00	2.13	2.14
115	2.68	2.66	2.64	2.63	2.61	2.59	2.57	2.54	2.52	2.49	2.46	2.44	2.41	2.39	2.37	2.34	2.33	2.46	2.47
120	3.01	2.98	2.96	2.95	2.93	2.91	2.89	2.87	2.84	2.82	2.79	2.76	2.74	2.71	2.68	2.66	2.65	2.79	2.79
125	3.33	3.29	3.27	3.26	3.24	3.22	3.20	3.18	3.16	3.13	3.10	3.08	3.05	3.03	3.00	2.98	2.96	3.10	3.11
130	3.65	3.61	3.58	3.57	3.55	3.53	3.51	3.49	3.47	3.45	3.42	3.40	3.37	3.34	3.32	3.30	3.28	3.41	3.42
135	3.96	3.93	3.89	3.87	3.86	3.84	3.82	3.80	3.78	3.75	3.73	3.70	3.68	3.65	3.63	3.61	3.59	3.71	3.72
140	4.26	4.23	4.19	4.16	4.15	4.13	4.11	4.09	4.07	4.05	4.02	4.00	3.97	3.95	3.93	3.91	3.89	4.00	4.01
145	4.53	4.50	4.47	4.44	4.42	4.40	4.38	4.36	4.34	4.32	4.30	4.27	4.25	4.23	4.21	4.19	4.18	4.28	4.29
150	4.79	4.77	4.74	4.71	4.68	4.65	4.64	4.61	4.60	4.58	4.56	4.53	4.52	4.50	4.48	4.46	4.45	4.55	4.56
155	5.03	5.01	5.00	4.97	4.94	4.90	4.88	4.86	4.84	4.82	4.80	4.78	4.77	4.75	4.74	4.72	4.71	4.81	4.80
160	5.25	5.24	5.23	5.20	5.18	5.15	5.13	5.09	5.08	5.05	5.04	5.01	5.00	4.99	4.98	4.96	4.96	5.07	5.04
165	5.45	5.44	5.44	5.42	5.41	5.38	5.36	5.33	5.32	5.29	5.27	5.24	5.23	5.22	5.21	5.20	5.21	5.32	5.28
170	5.61	5.61	5.62	5.60	5.60	5.58	5.57	5.55	5.54	5.52	5.51	5.49	5.48	5.46	5.46	5.45	5.48	5.59	5.53
175	5.74	5.74	5.75	5.74	5.75	5.73	5.73	5.72	5.72	5.70	5.70	5.68	5.69	5.68	5.68	5.68	5.70	5.78	5.74
180	5.81	5.81	5.81	5.81	5.81	5.80	5.80	5.79	5.79	5.79	5.79	5.79	5.79	5.79	5.79	5.81	5.83	5.89	5.87

C Range: 0 - 360DEG
 C Interval: 5.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators: DAMIN
 Test Date: 2015-06-25

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	489	488	488	487	487	487	486	486	487	487	486	486	486	486	486	487	486	486	486
5	489	488	487	487	487	487	486	486	486	486	485	485	485	485	485	486	485	485	485
10	485	485	484	483	483	483	482	482	482	482	481	481	481	481	481	481	481	480	480
15	478	477	477	476	476	476	475	475	475	475	474	474	474	474	474	474	474	473	473
20	468	467	466	465	465	465	465	464	464	464	464	463	463	463	463	463	463	462	462
25	453	453	452	451	451	451	451	450	450	450	450	449	449	449	449	449	448	447	447
30	435	434	434	433	433	433	433	432	432	432	432	431	431	431	431	431	431	430	430
35	414	413	413	412	411	411	411	410	411	410	411	409	410	409	410	410	409	408	408
40	388	387	387	386	386	385	386	385	385	385	386	385	384	384	385	384	384	383	383
45	359	357	358	357	357	356	356	356	356	356	356	356	356	356	356	356	356	355	355
50	326	325	325	324	324	323	324	323	324	323	324	323	323	323	324	323	324	322	323
55	289	288	288	287	287	286	287	286	287	286	287	286	287	286	287	287	287	286	287
60	249	248	248	247	247	246	247	246	247	246	247	246	247	246	247	247	248	247	248
65	206	205	205	204	204	203	203	202	203	202	203	203	203	203	204	204	204	204	205
70	160	159	159	158	158	157	157	156	157	156	157	156	157	157	158	157	158	158	159
75	113	111	112	110	111	109	110	109	109	109	109	109	110	109	110	110	111	111	112
80	67.6	66.3	66.5	65.0	65.1	64.0	64.3	63.1	63.7	62.7	63.5	62.6	63.7	63.1	64.4	64.1	65.5	65.1	66.0
85	28.3	27.4	27.4	26.3	26.6	25.6	25.9	25.1	25.5	24.8	25.3	24.8	25.4	25.0	25.9	25.8	26.6	26.1	26.7
90	5.45	5.08	5.29	4.97	5.11	4.88	5.02	4.86	5.01	4.78	4.80	4.51	4.48	4.20	4.40	3.77	3.10	3.58	3.86
95	1.85	1.93	2.00	2.07	2.12	2.16	2.18	2.13	2.05	1.83	1.69	1.67	1.71	1.80	1.94	1.97	1.86	1.79	1.73
100	1.70	1.68	1.66	1.66	1.65	1.65	1.66	1.67	1.68	1.70	1.72	1.74	1.76	1.78	1.81	1.81	1.80	1.78	1.77
105	1.83	1.85	1.86	1.88	1.90	1.92	1.94	1.96	1.98	2.00	2.02	2.03	2.04	2.05	2.06	2.07	2.08	2.07	2.06
110	2.14	2.17	2.19	2.21	2.23	2.25	2.27	2.29	2.31	2.34	2.35	2.37	2.38	2.39	2.40	2.42	2.43	2.42	2.40
115	2.48	2.50	2.52	2.54	2.56	2.58	2.60	2.63	2.65	2.67	2.69	2.70	2.72	2.73	2.74	2.76	2.77	2.76	2.74
120	2.80	2.83	2.85	2.87	2.89	2.91	2.93	2.95	2.98	2.99	3.01	3.02	3.04	3.05	3.06	3.10	3.10	3.08	3.06
125	3.12	3.14	3.16	3.18	3.20	3.23	3.25	3.27	3.29	3.31	3.32	3.33	3.34	3.36	3.38	3.41	3.41	3.39	3.37
130	3.43	3.46	3.47	3.49	3.51	3.53	3.55	3.57	3.59	3.61	3.62	3.63	3.64	3.65	3.68	3.72	3.71	3.69	3.66
135	3.73	3.76	3.77	3.79	3.81	3.83	3.85	3.86	3.88	3.89	3.90	3.91	3.93	3.95	3.98	4.01	4.00	3.98	3.95
140	4.02	4.04	4.06	4.07	4.09	4.11	4.13	4.14	4.16	4.17	4.17	4.19	4.20	4.23	4.27	4.29	4.28	4.25	4.23
145	4.30	4.31	4.33	4.34	4.36	4.37	4.39	4.40	4.41	4.42	4.43	4.45	4.47	4.51	4.54	4.55	4.54	4.51	4.49
150	4.56	4.57	4.59	4.60	4.61	4.62	4.64	4.64	4.66	4.67	4.69	4.70	4.74	4.77	4.79	4.80	4.79	4.76	4.74
155	4.81	4.81	4.83	4.83	4.84	4.85	4.87	4.88	4.89	4.91	4.93	4.95	4.98	5.01	5.03	5.03	5.02	5.00	4.98
160	5.04	5.04	5.05	5.06	5.07	5.07	5.09	5.10	5.13	5.14	5.17	5.19	5.22	5.23	5.25	5.24	5.24	5.22	5.20
165	5.27	5.27	5.28	5.28	5.29	5.30	5.32	5.33	5.36	5.37	5.39	5.40	5.43	5.43	5.45	5.43	5.43	5.41	5.41
170	5.52	5.51	5.52	5.51	5.53	5.53	5.55	5.55	5.57	5.57	5.59	5.59	5.61	5.61	5.61	5.60	5.60	5.58	5.58
175	5.73	5.72	5.73	5.71	5.72	5.71	5.73	5.72	5.74	5.74	5.75	5.74	5.75	5.74	5.75	5.73	5.74	5.72	5.73
180	5.85	5.82	5.82	5.81	5.81	5.80	5.80	5.80	5.80	5.80	5.80	5.80	5.81	5.81	5.81	5.81	5.81	5.81	5.81

C Range: 0 - 360DEG
 C Interval: 5.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators: DAMIN
 Test Date: 2015-06-25

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	487	488	489	489	490	491	493	492	492	492	491	492	492	492	491				
5	485	486	488	488	488	489	491	491	490	489	489	489	489	489	488				
10	481	482	483	483	483	484	485	485	484	483	483	483	483	482	481				
15	473	474	475	475	475	475	477	476	475	474	473	473	473	472	471				
20	462	463	464	463	463	464	465	463	462	461	460	460	459	459	457				
25	447	448	449	448	448	449	449	448	446	445	444	443	443	442	440				
30	430	430	431	430	429	430	430	428	427	425	424	423	422	421	419				
35	408	409	409	408	408	409	407	405	403	402	401	400	399	398	396				
40	383	384	383	383	382	383	380	379	377	376	374	373	371	370	368				
45	355	356	354	354	354	353	350	349	347	346	343	343	340	340	337				
50	323	323	321	322	321	320	317	316	313	312	310	309	307	306	303				
55	287	287	285	286	284	283	280	279	276	275	273	272	269	268	266				
60	247	247	246	246	244	242	240	239	236	235	232	231	229	228	225				
65	204	204	203	202	200	199	197	196	193	192	190	189	186	185	183				
70	158	159	157	156	154	153	151	150	148	147	144	143	141	140	137				
75	111	111	109	109	107	106	104	104	102	101	98.4	97.6	95.1	94.4	92.0				
80	64.5	64.6	63.0	63.2	61.6	61.6	59.8	59.4	57.6	57.2	55.4	54.7	52.9	52.2	50.4				
85	25.7	26.0	25.0	25.0	24.0	23.6	22.5	22.6	21.3	21.4	20.0	19.8	18.1	18.2	16.9				
90	3.82	3.92	3.98	4.27	4.29	4.19	3.99	3.82	3.63	3.74	3.69	3.59	3.26	3.27	3.06				
95	1.69	1.68	1.67	1.74	1.85	2.01	2.08	2.16	2.18	2.19	2.15	2.11	2.03	1.98	1.96				
100	1.75	1.75	1.74	1.73	1.72	1.71	1.70	1.70	1.70	1.70	1.71	1.72	1.73	1.74	1.75				
105	2.06	2.05	2.04	2.03	2.02	2.01	2.01	2.00	1.99	1.99	1.99	1.99	1.99	1.99	2.00				
110	2.40	2.39	2.38	2.37	2.36	2.35	2.34	2.33	2.33	2.32	2.32	2.32	2.32	2.33	2.34				
115	2.73	2.72	2.71	2.70	2.69	2.68	2.67	2.67	2.66	2.65	2.65	2.65	2.66	2.66	2.68				
120	3.05	3.04	3.03	3.02	3.01	3.00	2.99	2.99	2.98	2.98	2.97	2.98	2.98	2.99	3.00				
125	3.35	3.34	3.33	3.32	3.31	3.30	3.30	3.30	3.29	3.29	3.29	3.29	3.29	3.30	3.31				
130	3.65	3.63	3.62	3.62	3.61	3.60	3.60	3.60	3.60	3.59	3.60	3.60	3.60	3.60	3.62				
135	3.94	3.92	3.91	3.90	3.90	3.89	3.89	3.89	3.89	3.89	3.90	3.90	3.90	3.90	3.91				
140	4.21	4.20	4.19	4.18	4.17	4.17	4.17	4.17	4.17	4.17	4.18	4.18	4.18	4.18	4.18				
145	4.47	4.46	4.45	4.44	4.44	4.43	4.44	4.44	4.44	4.44	4.45	4.46	4.46	4.46	4.45				
150	4.72	4.71	4.70	4.69	4.68	4.69	4.69	4.69	4.70	4.70	4.71	4.72	4.73	4.72	4.71				
155	4.96	4.94	4.93	4.92	4.92	4.92	4.92	4.93	4.93	4.94	4.94	4.95	4.96	4.97	4.95				
160	5.18	5.17	5.15	5.15	5.14	5.14	5.14	5.14	5.15	5.16	5.16	5.17	5.18	5.20	5.18				
165	5.39	5.38	5.36	5.36	5.34	5.34	5.33	5.34	5.34	5.35	5.36	5.38	5.38	5.41	5.41				
170	5.56	5.56	5.55	5.55	5.53	5.53	5.52	5.52	5.52	5.53	5.53	5.56	5.56	5.58	5.60				
175	5.71	5.72	5.70	5.70	5.69	5.69	5.68	5.69	5.68	5.69	5.69	5.70	5.71	5.73	5.75				
180	5.81	5.81	5.80	5.80	5.79	5.79	5.79	5.79	5.78	5.79	5.79	5.79	5.79	5.81	5.83				

C Range: 0 - 360DEG
 C Interval: 5.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators: DAMIN
 Test Date: 2015-06-25

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: