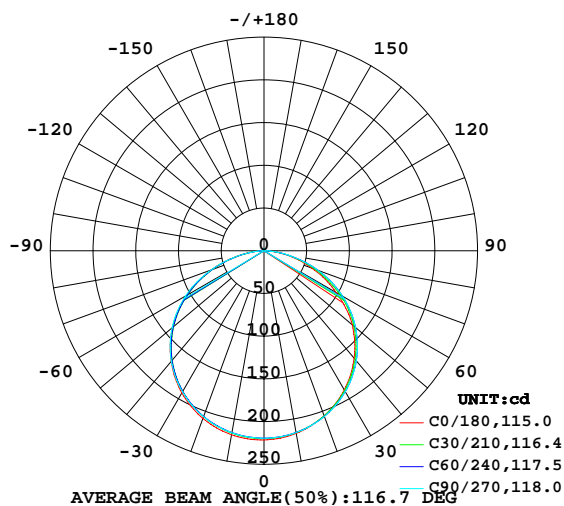


LUMINAIRE PHOTOMETRIC TEST REPORT

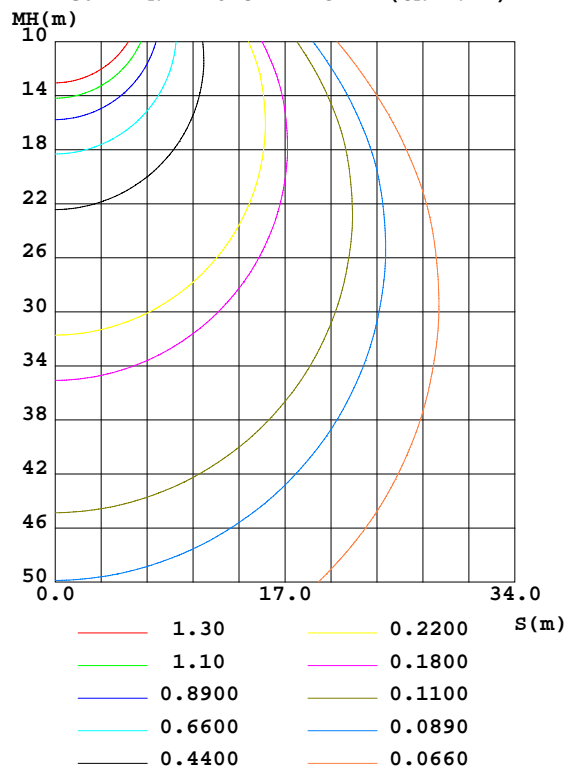
Test:U:12.00V I:0.6276A P:7.531W PF:1.0000 Lamp Flux:813.155x1 lm		
NAME: LED Strip	TYPE:Indoor lighting	WEIGHT:25g
SPEC.:2835 60LED WW	DIM.: 1000*8*1MM	SERIAL No.:2015070202
MFR.:	SUR.:1000*8mm	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 88.54 lm/W			
MODEL	060B-12(WCP)-10-HR	Imax(cd)	222.4	S/MH(C0/180)	1.29
NOMINAL POWER(W)	7.2	LOR(%)	82.0	S/MH(C90/270)	1.29
RATED VOLTAGE(V)	DC 12	TOTAL FLUX(lm)	666.81	η UP,DN(C0-180)	0.6,40.4
NOMINAL FLUX(lm)	813.155	CIE CLASS	DIRECT	η UP,DN(C180-360)	0.6,40.5
LAMPS INSIDE	1	η up(%)	1.1	CIBSE SHR NOM	1.25
TEST VOLTAGE(V)	12	η down(%)	80.9	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:2015-07-02

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

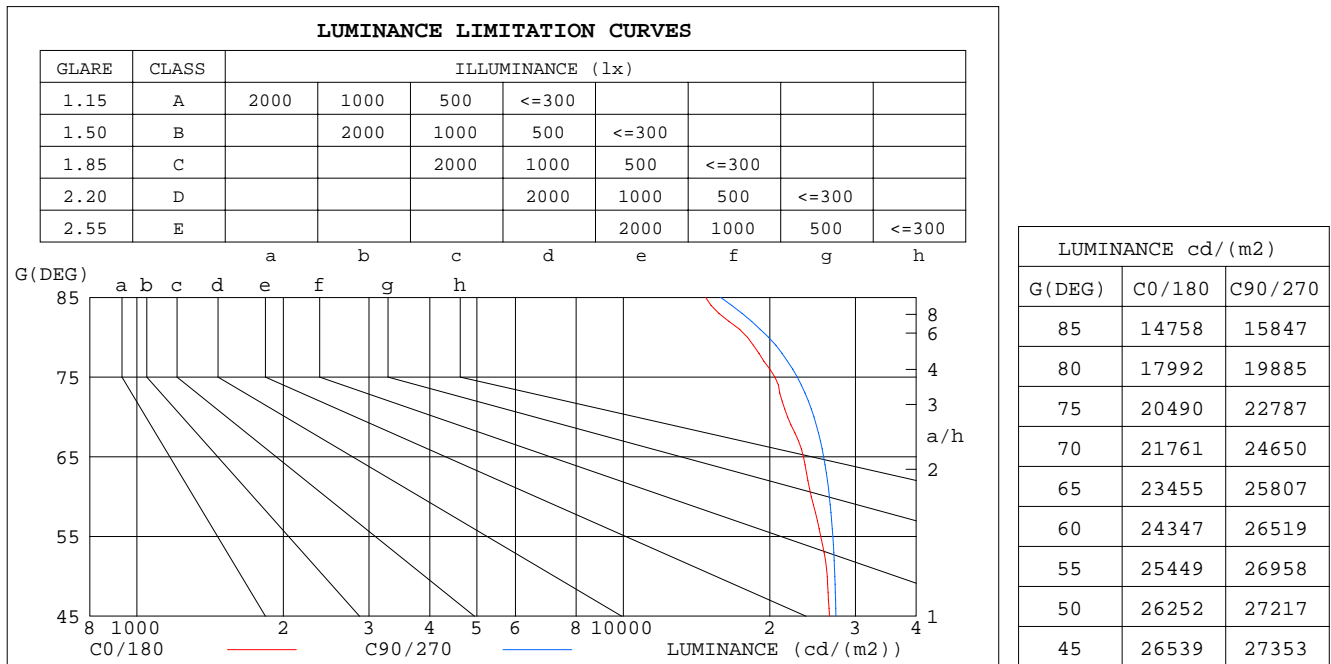
ZONAL FLUX DIAGRAM:

γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum, lamp
10	217.0	216.1	216.2	219.0	218.7	216.3	216.4	219.2	0- 10	20.89	20.89	3.13,2.57
20	205.8	206.2	206.4	208.9	208.9	206.4	206.8	209.2	10- 20	60.14	81.04	12.2,9.97
30	188.0	189.9	190.4	192.0	192.3	189.9	190.9	192.5	20- 30	92.06	173.1	26,21.3
40	164.2	167.4	168.1	168.4	169.0	166.9	168.7	167.8	30- 40	112.5	285.6	42.8,35.1
50	135.0	139.1	140.0	138.7	139.8	137.8	140.4	140.6	40- 50	118.6	404.3	60.6,49.7
60	97.39	105.2	106.1	103.1	104.8	102.8	106.2	106.2	50- 60	108.8	513.1	76.9,63.1
70	59.54	66.15	67.45	63.30	65.53	63.44	65.88	66.13	60- 70	83.72	596.8	89.5,73.4
80	24.99	28.08	27.62	24.00	26.68	24.26	25.54	27.43	70- 80	47.61	644.4	96.6,79.3
90	2.757	3.147	1.558	2.375	3.432	2.427	1.187	3.244	80- 90	13.08	657.5	98.6,80.9
100	0.7407	0.7706	0.7907	0.7717	0.8221	0.7618	0.7994	0.7843	90-100	1.365	658.9	98.8,81
110	0.9716	1.019	1.059	1.044	0.9743	1.041	1.083	1.033	100-110	0.9446	659.8	99,81.1
120	1.258	1.299	1.338	1.324	1.270	1.337	1.389	1.325	110-120	1.166	661.0	99.1,81.3
130	1.537	1.554	1.606	1.588	1.550	1.618	1.667	1.603	120-130	1.302	662.3	99.3,81.4
140	1.801	1.805	1.874	1.836	1.812	1.868	1.927	1.871	130-140	1.331	663.6	99.5,81.6
150	2.049	2.056	2.117	2.073	2.053	2.092	2.163	2.113	140-150	1.237	664.9	99.7,81.8
160	2.289	2.283	2.365	2.299	2.282	2.296	2.372	2.323	150-160	1.019	665.9	99.9,81.9
170	2.511	2.494	2.533	2.523	2.507	2.492	2.529	2.505	160-170	0.6815	666.6	100,82
180	2.636	2.612	2.627	2.636	2.636	2.613	2.628	2.638	170-180	0.2446	666.8	100,82
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

C Range: 0 - 360DEG
 C Interval: 5.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:DAMIN
 Test Date:2015-07-02

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

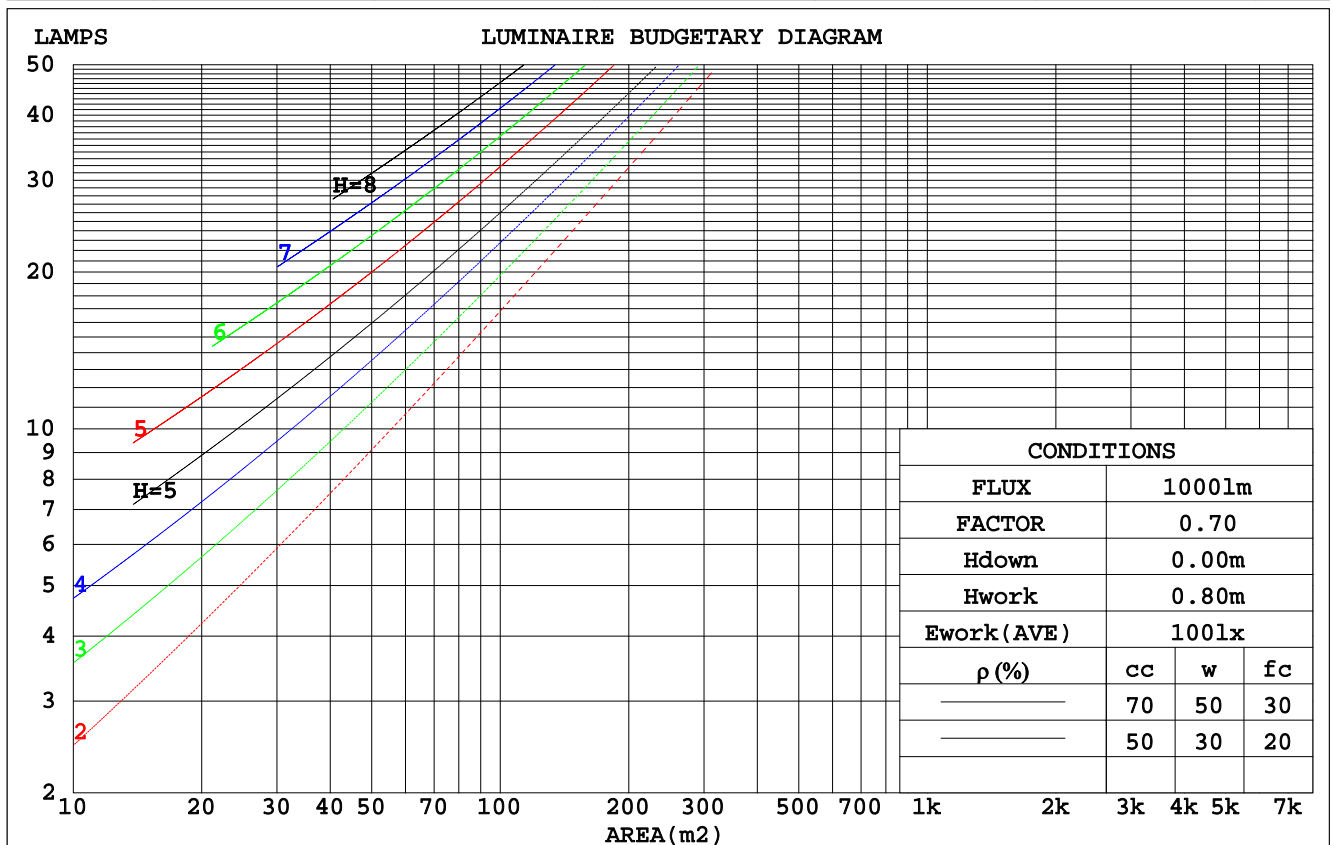


C Range: 0 - 360DEG
 C Interval: 5.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators: DAMIN
 Test Date: 2015-07-02

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

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						Coefficients of Utilization(CU)									
0.0	.97	.97	.97	.95	.95	.95	.90	.90	.90	.86	.86	.86	.83	.83	.83	.81
1.0	.85	.81	.78	.83	.80	.77	.79	.76	.74	.76	.73	.71	.73	.71	.69	.67
2.0	.74	.68	.63	.72	.67	.62	.69	.64	.61	.66	.62	.59	.63	.60	.58	.56
3.0	.65	.58	.52	.63	.57	.52	.60	.55	.51	.58	.53	.50	.56	.52	.49	.47
4.0	.57	.50	.44	.56	.49	.44	.54	.48	.43	.52	.46	.42	.50	.45	.42	.40
5.0	.51	.43	.38	.50	.43	.38	.48	.42	.37	.46	.41	.37	.45	.40	.36	.34
6.0	.46	.38	.33	.45	.38	.33	.43	.37	.32	.42	.36	.32	.40	.35	.32	.30
7.0	.41	.34	.29	.41	.34	.29	.39	.33	.29	.38	.32	.28	.37	.32	.28	.26
8.0	.38	.31	.26	.37	.30	.26	.36	.30	.25	.35	.29	.25	.34	.29	.25	.23
9.0	.35	.28	.23	.34	.28	.23	.33	.27	.23	.32	.27	.23	.31	.26	.23	.21
10.0	.32	.25	.21	.31	.25	.21	.30	.25	.21	.30	.24	.21	.29	.24	.20	.19



C Range: 0 - 360DEG
 C Interval: 5.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators: DAMIN
 Test Date: 2015-07-02

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	.257	.146	.046	.251	.143	.045	.239	.137	.044	.229	.132	.042	.219	.127	.041		
2.0	.241	.132	.041	.236	.130	.040	.226	.126	.039	.216	.121	.038	.208	.117	.037		
3.0	.223	.119	.036	.218	.117	.035	.209	.113	.034	.201	.110	.034	.193	.107	.033		
4.0	.206	.107	.031	.202	.106	.031	.194	.103	.031	.186	.100	.030	.179	.097	.030		
5.0	.190	.097	.028	.186	.096	.028	.179	.093	.027	.172	.091	.027	.166	.089	.027		
6.0	.176	.088	.025	.173	.087	.025	.166	.085	.025	.160	.083	.025	.155	.082	.024		
7.0	.164	.081	.023	.161	.080	.023	.155	.078	.023	.150	.077	.022	.145	.075	.022		
8.0	.153	.075	.021	.150	.074	.021	.145	.073	.021	.140	.071	.020	.136	.070	.020		
9.0	.143	.069	.019	.141	.069	.019	.136	.067	.019	.132	.066	.019	.128	.065	.019		
10.0	.135	.065	.018	.133	.064	.018	.128	.063	.018	.124	.062	.018	.121	.061	.017		

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	.165	.165	.165	.141	.141	.141	.096	.096	.096	.055	.055	.055	.018	.018	.018	
1.0	.157	.137	.119	.134	.117	.102	.092	.081	.071	.053	.047	.041	.017	.015	.013	
2.0	.150	.117	.089	.129	.101	.077	.088	.070	.054	.051	.041	.031	.016	.013	.010	
3.0	.144	.103	.070	.124	.089	.060	.085	.062	.042	.049	.036	.025	.016	.012	.008	
4.0	.138	.092	.057	.118	.079	.049	.081	.055	.035	.047	.032	.020	.015	.011	.007	
5.0	.132	.083	.047	.113	.072	.041	.078	.050	.029	.045	.030	.017	.015	.010	.006	
6.0	.126	.076	.041	.108	.066	.036	.075	.046	.025	.043	.027	.015	.014	.009	.005	
7.0	.120	.071	.036	.104	.061	.031	.072	.043	.022	.042	.025	.013	.013	.008	.004	
8.0	.115	.066	.032	.099	.057	.028	.069	.040	.020	.040	.024	.012	.013	.008	.004	
9.0	.110	.062	.030	.095	.054	.026	.066	.038	.018	.038	.022	.011	.012	.007	.004	
10.0	.105	.059	.027	.091	.051	.024	.063	.036	.017	.037	.021	.010	.012	.007	.003	

C Range: 0 - 360DEG
 C Interval: 5.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators: DAMIN
 Test Date: 2015-07-02

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	24.1	25.6	24.4	25.8	26.0	24.4	25.9	24.7	26.1	26.4
3H	25.5	26.9	25.9	27.2	27.5	26.0	27.4	26.3	27.7	27.9
4H	26.1	27.5	26.5	27.7	28.0	26.6	28.0	27.0	28.2	28.5
6H	26.5	27.8	26.9	28.1	28.4	27.1	28.3	27.4	28.6	28.9
8H	26.7	27.9	27.0	28.2	28.5	27.2	28.4	27.6	28.7	29.0
12H	26.7	27.9	27.1	28.2	28.5	27.3	28.4	27.6	28.7	29.1
4H 2H	24.8	26.1	25.1	26.4	26.6	25.0	26.3	25.3	26.6	26.9
3H	26.4	27.6	26.8	27.9	28.2	26.8	28.0	27.2	28.3	28.6
4H	27.1	28.2	27.5	28.5	28.9	27.6	28.6	28.0	29.0	29.3
6H	27.6	28.6	28.1	29.0	29.4	28.1	29.1	28.5	29.4	29.8
8H	27.8	28.7	28.2	29.1	29.5	28.3	29.2	28.7	29.6	30.0
12H	27.9	28.7	28.4	29.1	29.6	28.4	29.2	28.9	29.6	30.1
8H 4H	27.4	28.3	27.9	28.7	29.1	27.8	28.7	28.2	29.1	29.5
6H	28.1	28.8	28.6	29.3	29.7	28.5	29.2	29.0	29.7	30.1
8H	28.4	29.0	28.8	29.5	29.9	28.8	29.4	29.3	29.9	30.4
12H	28.5	29.1	29.0	29.6	30.1	29.0	29.5	29.5	30.0	30.5
12H 4H	27.4	28.2	27.9	28.7	29.1	27.8	28.6	28.3	29.0	29.5
6H	28.2	28.8	28.6	29.3	29.7	28.6	29.2	29.0	29.7	30.1
8H	28.5	29.0	29.0	29.5	30.0	28.9	29.4	29.4	29.9	30.4
Variations with the observer position at spacings:										
S = 1.0H	+ 0.1 / - 0.2					+ 0.1 / - 0.2				
1.5H	+ 0.2 / - 0.3					+ 0.2 / - 0.3				
2.0H	+ 0.2 / - 0.4					+ 0.2 / - 0.4				

CIE Pub.117 Corrected 813.2 lm Total Lamp Luminous Flux.(8log(F/F0) = -0.7)

C Range: 0 - 360DEG
 C Interval: 5.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:DAMIN
 Test Date:2015-07-02

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:

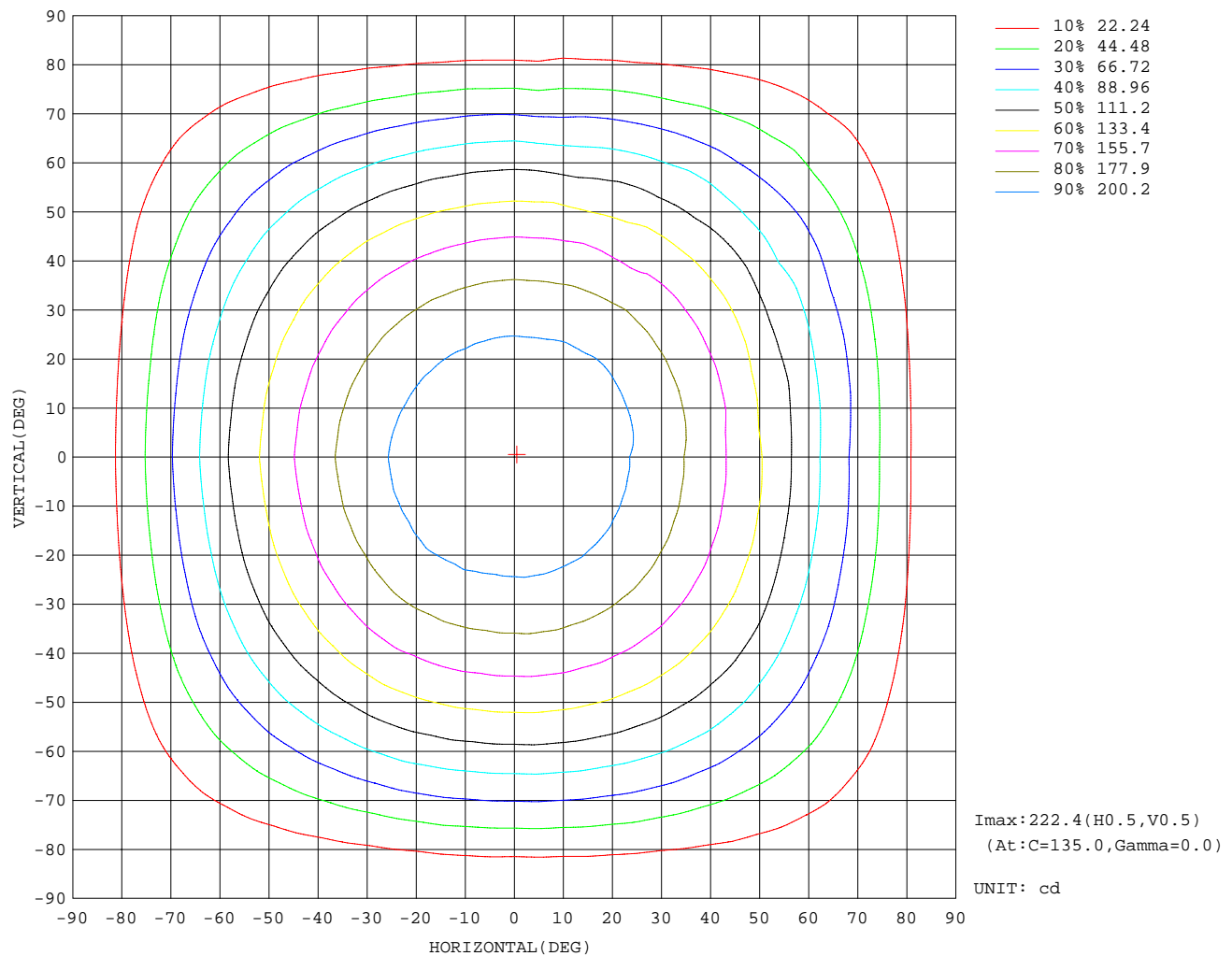
UTILIZATION FACTORS TABLE

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) $k(RI) \times RCR = 5$									
$k = 0.60$	46	37	31	46	36	31	45	36	31	25
0.80	55	45	39	54	44	39	52	44	38	32
1.00	61	52	46	60	52	46	58	53	45	39
1.25	67	59	53	66	58	52	64	57	51	45
1.50	71	63	57	70	62	57	67	61	56	50
2.00	77	70	65	76	69	64	73	67	63	56
2.50	80	74	69	79	73	68	75	70	66	59
3.00	83	78	73	81	76	72	78	74	70	63
4.00	87	82	78	85	80	77	81	77	74	67
5.00	89	85	81	87	83	80	83	80	77	69
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: 2015-07-02

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:

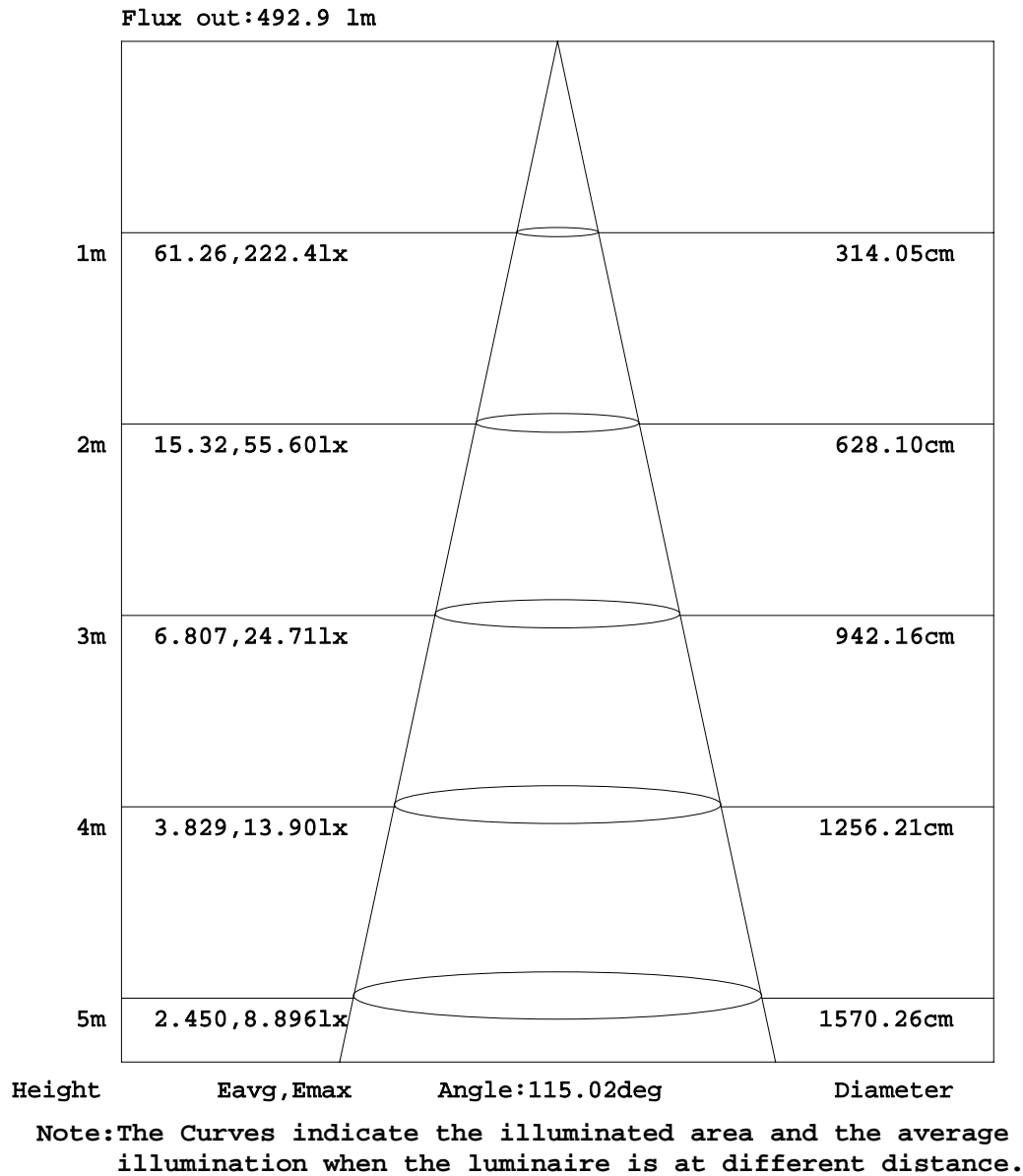
ISOCANDELA DIAGRAM



C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: DAMIN
Test Date: 2015-07-02

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:

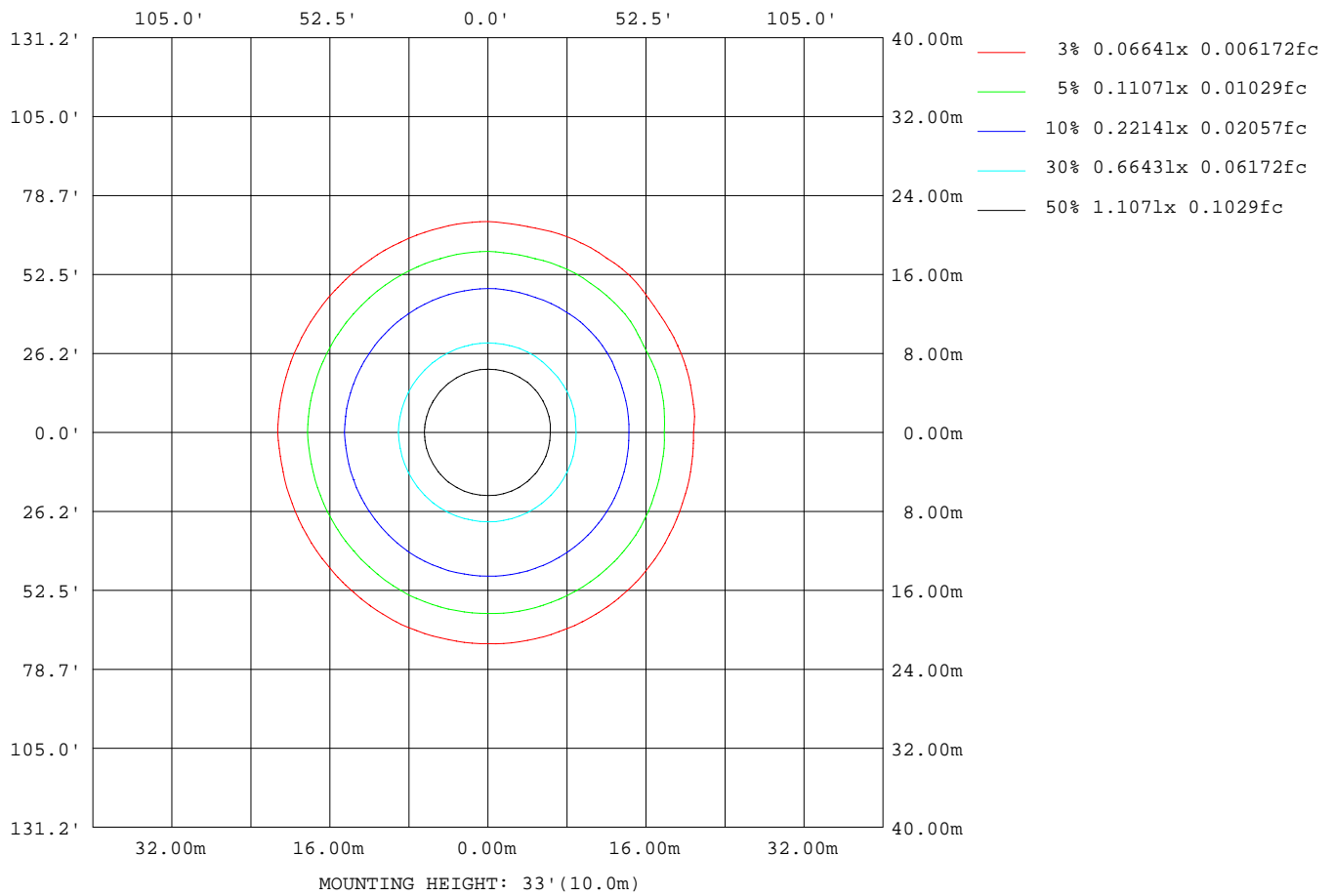
AAI Figure



C Range: 0 - 360DEG
 C Interval: 5.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators: DAMIN
 Test Date: 2015-07-02

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: 2015-07-02

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:12.00V I:0.6276A P:7.531W PF:1.0000 Lamp Flux:813.155x1 lm		
NAME: LED Strip	TYPE:Indoor lighting	WEIGHT:25g
SPEC.:2835 60LED WW	DIM.: 1000*8*1MM	SERIAL No.:2015070202
MFR.:	SUR.:1000*8mm	Shielding Angle:

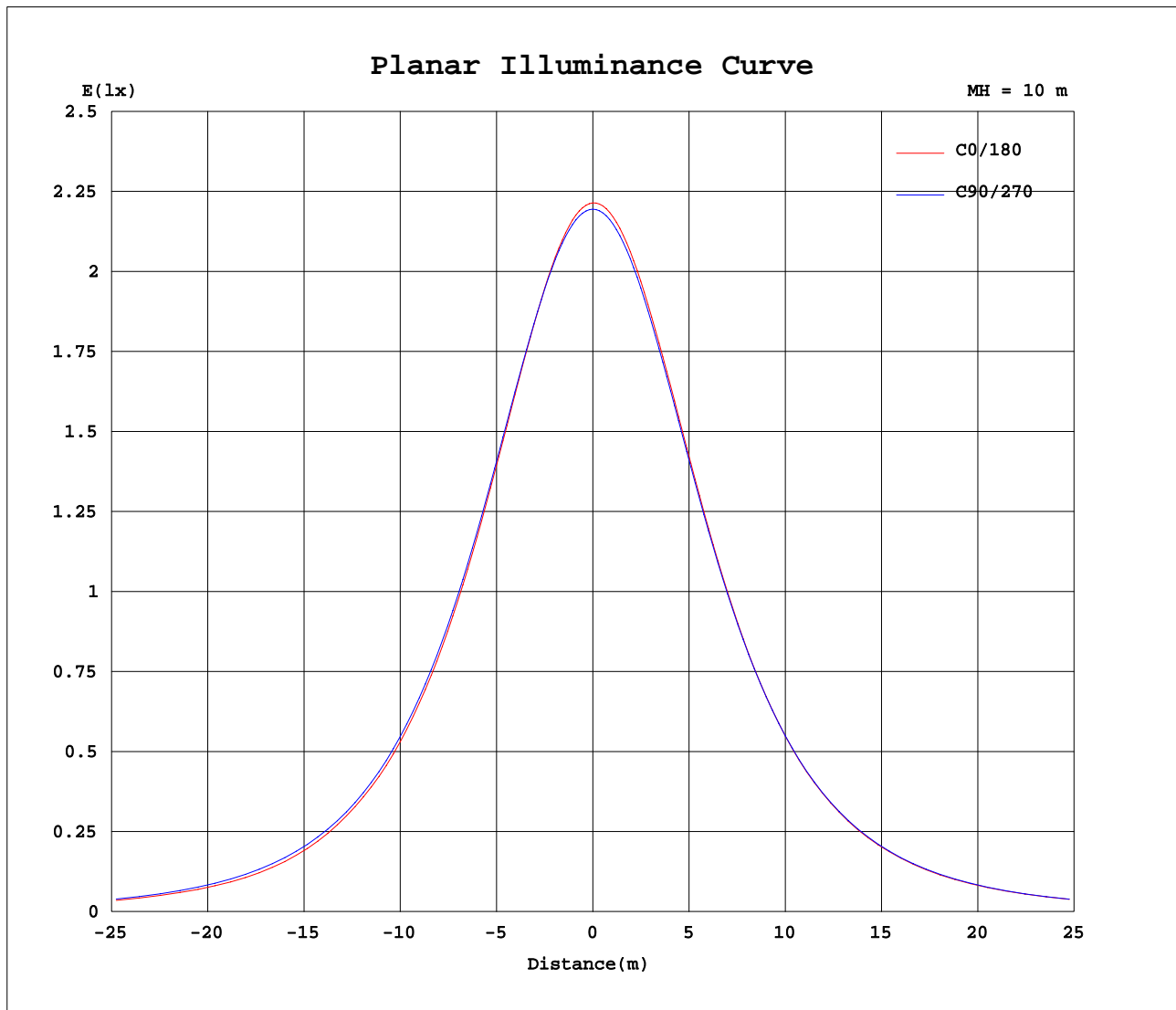
AvgL	cd/m2
L_0~180(65)av	24391
L_0~180(75)av	21237
L_0~180(85)av	15652
L_90~270(65)av	25721
L_90~270(75)av	22343
L_90~270(85)av	14734
L_45(65)av	25175
L_45(75)av	21524
L_45(85)av	15303

Standard: GB/T 29293-2012

C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:2015-07-02

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: 2015-07-02

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	221	221	221	221	220	220	220	220	220	220	220	220	219	219	219	219	219	220	219
5	220	220	220	219	219	219	219	219	219	219	219	219	218	218	219	219	219	219	219
10	217	217	217	216	216	216	216	216	216	216	216	216	216	216	216	216	216	216	216
15	212	212	212	212	212	212	212	212	212	212	212	212	212	212	212	212	212	212	212
20	206	206	206	206	206	206	206	206	206	206	206	207	206	206	207	207	207	207	206
25	198	198	198	198	198	198	198	198	199	199	199	199	199	199	199	199	199	200	199
30	188	188	188	188	188	189	189	189	190	190	190	190	190	190	190	191	191	191	190
35	177	177	177	178	177	178	178	179	179	179	179	180	180	180	180	181	180	181	180
40	164	165	164	165	165	166	166	166	167	167	167	168	168	168	168	169	168	169	168
45	150	151	151	151	151	152	152	153	153	154	154	155	155	155	155	155	155	155	155
50	135	135	135	136	136	137	137	138	138	139	139	140	140	140	140	141	140	141	140
55	117	118	118	119	120	121	121	122	122	123	123	124	124	124	124	124	124	124	124
60	97.4	98.3	98.2	99.2	100	102	103	104	104	105	105	106	106	107	106	107	107	107	106
65	79.3	80.0	80.1	81.1	81.3	82.4	82.9	84.4	85.0	86.5	86.7	87.5	87.4	87.9	87.6	88.1	87.7	88.0	87.3
70	59.5	60.5	60.9	62.2	62.4	63.4	63.7	64.6	65.0	66.2	66.3	67.6	67.7	68.3	67.9	68.3	67.9	68.2	67.4
75	42.4	43.2	43.1	43.7	43.9	44.8	44.9	45.5	45.6	46.2	46.4	47.2	47.5	48.1	47.8	48.1	47.6	47.9	47.2
80	25.0	25.7	25.7	26.5	26.4	27.0	26.9	27.6	27.6	28.1	27.5	28.0	27.9	28.4	28.2	28.5	28.0	28.2	27.6
85	10.3	10.8	10.8	11.3	11.3	11.8	11.8	12.2	11.9	12.2	11.9	12.3	11.8	11.9	11.6	11.9	11.5	11.5	11.0
90	2.76	2.93	2.89	3.07	3.02	3.17	3.11	3.19	3.08	3.15	2.97	2.97	2.80	2.77	2.55	2.56	2.41	2.16	1.56
95	1.01	1.04	1.05	1.10	1.09	1.12	1.10	1.10	1.06	1.06	1.00	0.95	0.83	0.79	0.81	0.84	0.89	0.89	0.86
100	0.74	0.74	0.75	0.75	0.75	0.75	0.75	0.76	0.76	0.77	0.77	0.78	0.77	0.79	0.79	0.81	0.81	0.81	0.79
105	0.83	0.84	0.83	0.85	0.84	0.85	0.85	0.86	0.86	0.88	0.88	0.89	0.89	0.90	0.90	0.91	0.91	0.92	0.90
110	0.97	0.98	0.98	0.98	0.98	0.99	0.99	1.00	1.00	1.02	1.02	1.03	1.03	1.04	1.05	1.06	1.05	1.06	1.06
115	1.12	1.13	1.12	1.13	1.12	1.13	1.13	1.15	1.15	1.16	1.15	1.17	1.17	1.18	1.18	1.20	1.20	1.21	1.20
120	1.26	1.27	1.26	1.27	1.26	1.28	1.27	1.28	1.28	1.30	1.29	1.30	1.30	1.30	1.32	1.34	1.33	1.35	1.34
125	1.40	1.40	1.40	1.41	1.41	1.41	1.41	1.42	1.42	1.43	1.43	1.43	1.41	1.42	1.42	1.43	1.43	1.45	1.46
130	1.54	1.55	1.54	1.55	1.54	1.55	1.55	1.56	1.55	1.55	1.53	1.54	1.54	1.55	1.55	1.57	1.57	1.60	1.61
135	1.68	1.68	1.67	1.69	1.68	1.69	1.68	1.68	1.66	1.67	1.67	1.68	1.68	1.69	1.69	1.71	1.71	1.74	1.75
140	1.80	1.81	1.81	1.82	1.82	1.82	1.80	1.80	1.80	1.81	1.80	1.81	1.81	1.82	1.82	1.84	1.85	1.87	1.87
145	1.93	1.94	1.94	1.96	1.94	1.94	1.92	1.93	1.92	1.94	1.93	1.94	1.94	1.95	1.95	1.96	1.97	1.99	2.00
150	2.05	2.07	2.07	2.08	2.06	2.06	2.04	2.06	2.05	2.06	2.05	2.06	2.05	2.07	2.07	2.08	2.09	2.11	2.12
155	2.17	2.19	2.19	2.20	2.18	2.18	2.17	2.17	2.16	2.17	2.16	2.17	2.18	2.21	2.22	2.23	2.24	2.26	2.26
160	2.29	2.31	2.31	2.31	2.28	2.29	2.28	2.28	2.27	2.28	2.30	2.31	2.31	2.32	2.33	2.34	2.34	2.36	2.36
165	2.40	2.43	2.41	2.40	2.38	2.39	2.37	2.39	2.39	2.40	2.39	2.41	2.41	2.42	2.42	2.44	2.44	2.46	2.46
170	2.51	2.52	2.49	2.49	2.48	2.48	2.48	2.49	2.48	2.49	2.49	2.50	2.50	2.51	2.51	2.52	2.52	2.54	2.53
175	2.59	2.59	2.57	2.57	2.57	2.57	2.56	2.57	2.56	2.57	2.56	2.58	2.57	2.58	2.58	2.59	2.59	2.60	2.59
180	2.64	2.64	2.62	2.62	2.62	2.62	2.61	2.61	2.61	2.61	2.62	2.62	2.62	2.62	2.62	2.62	2.62	2.63	2.63

C Range: 0 - 360DEG
 C Interval: 5.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators: DAMIN
 Test Date: 2015-07-02

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	219	219	220	220	221	221	221	221	222	222	222	222	222	222	222	222	222	221	221
5	218	218	219	219	220	220	220	221	222	221	221	221	221	221	221	221	221	221	221
10	216	216	216	217	217	217	218	218	219	219	219	218	219	219	219	219	219	219	218
15	212	212	212	213	213	213	213	214	215	215	214	214	214	214	215	215	215	215	214
20	206	206	207	207	208	207	208	208	209	209	208	208	208	208	209	209	209	209	208
25	199	199	199	200	200	200	200	201	201	201	201	200	201	201	201	201	201	201	201
30	190	190	190	191	191	191	191	192	192	191	191	191	191	191	191	192	191	192	192
35	180	180	180	180	181	180	181	181	181	180	180	180	180	180	181	180	181	182	181
40	168	168	168	168	168	168	169	169	168	168	168	167	168	167	168	168	168	169	168
45	155	154	155	155	155	154	155	154	154	154	154	153	154	153	154	154	154	155	154
50	140	140	140	140	140	140	140	139	139	138	138	138	138	138	138	138	138	139	140
55	124	123	124	123	123	123	123	122	121	121	121	120	121	120	121	121	121	123	122
60	106	106	106	105	106	105	104	103	103	102	103	102	102	102	103	103	103	105	104
65	87.3	86.8	86.9	86.4	86.4	85.2	84.8	83.7	83.6	82.9	83.1	82.6	83.0	82.8	83.3	83.3	84.0	85.6	85.0
70	67.5	66.9	67.1	66.4	66.0	64.6	64.2	63.3	63.3	62.6	62.8	62.4	62.8	62.6	63.2	63.2	64.0	65.5	65.0
75	47.3	46.7	46.8	45.6	45.1	43.9	43.7	42.9	42.9	42.3	42.6	42.2	42.7	42.5	43.2	43.2	44.0	45.5	44.7
80	27.9	27.3	27.0	25.8	25.5	24.5	24.5	23.8	24.0	23.5	23.9	23.6	24.1	24.0	24.6	24.6	25.4	26.7	26.2
85	11.5	10.9	10.6	9.90	9.83	9.33	9.42	9.11	9.36	9.16	9.49	9.40	9.80	9.78	10.2	10.3	10.7	11.5	11.2
90	2.23	2.35	2.29	2.15	2.19	2.15	2.24	2.25	2.37	2.41	2.56	2.61	2.77	2.81	2.98	3.01	3.19	3.43	3.30
95	0.94	0.93	0.85	0.81	0.77	0.79	0.91	0.95	1.03	1.09	1.19	1.24	1.33	1.37	1.44	1.45	1.50	1.54	1.50
100	0.77	0.81	0.81	0.80	0.80	0.78	0.78	0.77	0.77	0.76	0.76	0.77	0.78	0.78	0.78	0.80	0.82	0.82	0.81
105	0.88	0.87	0.91	0.91	0.92	0.91	0.91	0.90	0.90	0.89	0.89	0.88	0.88	0.87	0.87	0.85	0.86	0.84	0.84
110	1.03	1.02	1.02	1.05	1.06	1.05	1.05	1.04	1.04	1.03	1.03	1.02	1.02	1.00	1.00	0.99	0.99	0.97	0.97
115	1.18	1.16	1.17	1.16	1.19	1.19	1.19	1.18	1.19	1.17	1.17	1.16	1.16	1.14	1.14	1.13	1.13	1.12	1.12
120	1.32	1.31	1.32	1.31	1.31	1.32	1.33	1.32	1.32	1.31	1.31	1.30	1.30	1.28	1.28	1.27	1.27	1.27	1.27
125	1.46	1.44	1.45	1.44	1.45	1.44	1.46	1.45	1.46	1.45	1.45	1.43	1.43	1.42	1.42	1.40	1.40	1.41	1.41
130	1.61	1.58	1.59	1.59	1.59	1.58	1.58	1.57	1.59	1.58	1.58	1.57	1.57	1.55	1.55	1.54	1.54	1.55	1.55
135	1.75	1.73	1.72	1.73	1.73	1.72	1.72	1.70	1.71	1.70	1.71	1.70	1.70	1.69	1.69	1.67	1.67	1.68	1.68
140	1.88	1.86	1.86	1.86	1.86	1.85	1.85	1.84	1.84	1.82	1.82	1.81	1.82	1.81	1.81	1.80	1.80	1.81	1.81
145	2.01	1.99	1.99	1.98	1.98	1.97	1.97	1.96	1.96	1.95	1.95	1.93	1.93	1.92	1.92	1.92	1.92	1.94	1.93
150	2.13	2.12	2.13	2.11	2.10	2.09	2.09	2.07	2.07	2.06	2.06	2.05	2.05	2.04	2.04	2.02	2.02	2.05	2.05
155	2.28	2.26	2.26	2.24	2.23	2.21	2.20	2.18	2.18	2.17	2.17	2.16	2.16	2.15	2.15	2.14	2.14	2.17	2.16
160	2.38	2.37	2.37	2.35	2.35	2.33	2.32	2.30	2.30	2.28	2.28	2.26	2.27	2.25	2.26	2.25	2.25	2.28	2.27
165	2.47	2.46	2.47	2.45	2.45	2.43	2.43	2.42	2.41	2.40	2.39	2.38	2.38	2.36	2.36	2.35	2.36	2.39	2.37
170	2.55	2.54	2.55	2.54	2.54	2.53	2.54	2.52	2.52	2.51	2.51	2.50	2.50	2.48	2.49	2.48	2.49	2.51	2.47
175	2.61	2.60	2.61	2.60	2.61	2.60	2.61	2.60	2.61	2.59	2.60	2.59	2.60	2.59	2.60	2.59	2.61	2.59	2.57
180	2.63	2.64	2.64	2.64	2.64	2.63	2.64	2.64	2.64	2.64	2.64	2.64	2.65	2.65	2.65	2.67	2.67	2.64	2.63

C Range: 0 - 360DEG
 C Interval: 5.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators: DAMIN
 Test Date: 2015-07-02

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	221	221	220	220	220	220	220	220	220	220	219	219	219	219	219	220	219	219	219
5	220	220	220	219	219	219	219	219	219	219	219	218	219	219	219	219	219	219	219
10	218	217	217	217	217	217	217	216	216	216	216	216	216	216	216	216	216	216	216
15	214	213	213	213	213	213	212	212	212	212	212	212	212	212	212	212	212	212	212
20	208	208	207	207	207	207	207	206	206	207	206	206	206	206	207	207	207	207	207
25	201	200	200	199	199	199	199	199	199	199	199	199	199	199	199	200	200	199	200
30	191	191	191	190	190	190	190	190	190	190	190	190	190	190	191	191	191	191	191
35	181	180	180	180	180	179	179	179	179	179	180	179	180	180	180	180	181	180	181
40	168	168	168	167	167	167	167	167	167	167	168	167	168	168	168	168	169	168	169
45	154	154	154	153	153	153	153	153	153	153	154	154	154	154	155	155	155	155	156
50	139	138	139	138	138	138	138	138	138	138	139	139	139	139	140	140	140	140	141
55	122	122	122	121	121	121	121	121	122	121	122	122	123	122	123	123	124	124	124
60	104	103	104	103	103	103	103	103	103	103	104	104	105	105	105	106	106	105	105
65	85.1	84.4	84.5	83.9	84.0	83.6	83.9	83.6	84.1	84.0	84.6	84.6	85.2	85.4	86.2	86.4	86.7	85.4	85.1
70	65.0	64.3	64.4	63.7	64.0	63.4	63.8	63.4	64.0	63.8	64.4	64.4	65.2	65.2	66.1	66.2	65.9	64.6	65.0
75	44.9	44.1	44.4	43.6	43.8	43.3	43.6	43.2	43.7	43.4	44.0	43.9	44.7	44.7	45.6	45.2	45.3	43.6	45.9
80	26.2	25.6	25.6	25.0	25.0	24.5	24.7	24.3	24.6	24.2	24.7	24.5	25.2	25.2	25.9	25.7	25.5	24.7	27.3
85	11.2	10.7	10.7	10.2	10.2	9.73	9.80	9.38	9.50	9.19	9.40	9.19	9.50	9.42	9.92	9.79	9.50	10.2	10.9
90	3.34	3.18	3.17	2.97	2.91	2.71	2.63	2.43	2.34	2.15	2.11	1.97	1.98	1.90	1.96	1.53	1.19	1.81	2.23
95	1.49	1.41	1.37	1.26	1.19	1.06	0.99	0.87	0.82	0.78	0.76	0.76	0.77	0.81	0.83	0.84	0.79	0.79	0.77
100	0.79	0.77	0.76	0.75	0.75	0.75	0.76	0.76	0.77	0.77	0.79	0.79	0.80	0.80	0.81	0.80	0.80	0.79	0.79
105	0.85	0.85	0.86	0.86	0.87	0.87	0.89	0.89	0.91	0.91	0.92	0.92	0.93	0.92	0.93	0.92	0.93	0.92	0.91
110	0.98	0.98	1.00	1.00	1.02	1.02	1.04	1.04	1.06	1.06	1.07	1.07	1.08	1.07	1.08	1.08	1.08	1.07	1.07
115	1.13	1.13	1.15	1.15	1.17	1.17	1.19	1.19	1.21	1.21	1.22	1.22	1.23	1.23	1.23	1.23	1.24	1.22	1.22
120	1.28	1.28	1.29	1.30	1.32	1.32	1.34	1.34	1.35	1.35	1.37	1.36	1.37	1.37	1.38	1.38	1.39	1.37	1.37
125	1.42	1.42	1.44	1.44	1.45	1.46	1.48	1.48	1.49	1.49	1.51	1.50	1.51	1.51	1.52	1.52	1.53	1.51	1.50
130	1.56	1.56	1.58	1.58	1.59	1.60	1.62	1.62	1.63	1.63	1.64	1.64	1.64	1.64	1.66	1.66	1.67	1.65	1.64
135	1.69	1.70	1.71	1.71	1.73	1.73	1.74	1.75	1.76	1.76	1.77	1.76	1.78	1.77	1.79	1.80	1.80	1.78	1.77
140	1.82	1.82	1.84	1.84	1.85	1.85	1.87	1.87	1.88	1.88	1.89	1.89	1.90	1.90	1.92	1.92	1.93	1.91	1.90
145	1.94	1.94	1.96	1.96	1.97	1.97	1.98	1.98	1.99	1.99	2.00	2.00	2.02	2.02	2.05	2.04	2.05	2.03	2.03
150	2.06	2.06	2.07	2.07	2.08	2.08	2.09	2.09	2.10	2.10	2.12	2.12	2.14	2.14	2.16	2.16	2.16	2.15	2.14
155	2.17	2.17	2.18	2.18	2.19	2.19	2.20	2.20	2.21	2.21	2.22	2.23	2.25	2.25	2.27	2.27	2.27	2.26	2.26
160	2.27	2.27	2.28	2.28	2.29	2.29	2.30	2.30	2.31	2.32	2.34	2.34	2.36	2.36	2.38	2.37	2.37	2.35	2.36
165	2.37	2.36	2.38	2.37	2.38	2.38	2.40	2.39	2.41	2.41	2.43	2.43	2.44	2.44	2.46	2.45	2.45	2.44	2.44
170	2.48	2.47	2.48	2.47	2.49	2.48	2.50	2.49	2.51	2.50	2.52	2.51	2.53	2.52	2.53	2.52	2.53	2.52	2.52
175	2.57	2.56	2.57	2.56	2.57	2.56	2.57	2.57	2.58	2.57	2.59	2.58	2.60	2.59	2.60	2.59	2.60	2.59	2.60
180	2.63	2.62	2.62	2.62	2.62	2.61	2.61	2.61	2.62	2.62	2.62	2.62	2.62	2.62	2.62	2.63	2.63	2.63	2.63

C Range: 0 - 360DEG
 C Interval: 5.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators: DAMIN
 Test Date: 2015-07-02

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	220	220	221	221	221	221	222	222	222	222	222	222	222	222	222				
5	219	219	220	220	220	221	222	222	221	221	221	221	221	221	221				
10	216	217	218	218	218	218	219	219	219	219	218	218	218	218	218				
15	213	213	214	214	214	214	215	215	214	214	214	214	214	214	213				
20	207	208	208	208	208	209	209	209	208	208	208	208	208	207	207				
25	200	200	201	201	201	202	202	201	201	201	200	200	200	200	199				
30	191	192	192	192	192	193	192	192	192	191	191	191	190	190	189				
35	181	182	182	182	182	182	182	182	181	181	180	180	179	179	178				
40	169	170	169	170	170	170	168	166	165	165	165	165	164	164	163				
45	156	157	156	154	154	156	156	156	155	155	154	154	153	152	150				
50	141	139	138	141	139	140	141	140	140	139	139	138	136	135	134				
55	122	122	123	123	123	124	124	124	123	121	119	119	118	118	118				
60	104	105	105	106	107	107	106	105	103	102	101	101	102	101	98.8				
65	85.5	87.0	86.9	87.0	86.4	88.0	86.8	84.1	83.0	83.5	84.0	83.3	82.8	82.0	82.5				
70	66.9	67.4	67.6	67.2	67.3	66.4	66.1	64.7	65.1	65.4	66.0	65.2	62.9	64.0	63.1				
75	46.7	47.1	46.7	46.2	46.0	46.8	45.9	46.1	45.5	46.3	44.5	44.8	44.9	44.8	44.0				
80	27.3	27.4	27.0	27.4	27.1	27.7	27.4	28.0	27.8	27.6	26.7	27.6	27.0	27.0	26.4				
85	10.8	11.3	11.1	11.3	11.3	11.6	11.8	12.1	11.7	11.9	11.8	12.0	11.6	11.6	11.2				
90	2.35	2.45	2.63	2.85	2.97	3.25	3.24	3.40	3.41	3.58	3.50	3.57	3.43	3.44	3.24				
95	0.77	0.76	0.78	0.87	0.96	1.09	1.15	1.20	1.20	1.24	1.22	1.25	1.23	1.24	1.19				
100	0.78	0.78	0.77	0.79	0.78	0.79	0.78	0.79	0.79	0.81	0.81	0.82	0.84	0.85	0.85				
105	0.90	0.91	0.90	0.91	0.89	0.90	0.89	0.90	0.89	0.90	0.89	0.91	0.92	0.93	0.93				
110	1.06	1.06	1.04	1.05	1.04	1.04	1.03	1.04	1.03	1.04	1.04	1.05	1.05	1.07	1.07				
115	1.21	1.21	1.19	1.19	1.19	1.19	1.18	1.19	1.18	1.19	1.19	1.20	1.20	1.21	1.22				
120	1.35	1.35	1.34	1.34	1.33	1.33	1.33	1.33	1.33	1.34	1.34	1.34	1.34	1.36	1.37				
125	1.49	1.49	1.47	1.48	1.47	1.47	1.46	1.47	1.47	1.48	1.47	1.48	1.48	1.50	1.51				
130	1.62	1.63	1.61	1.61	1.60	1.61	1.60	1.61	1.61	1.62	1.62	1.62	1.62	1.63	1.64				
135	1.76	1.76	1.75	1.75	1.74	1.74	1.74	1.75	1.75	1.75	1.75	1.76	1.76	1.77	1.77				
140	1.89	1.89	1.88	1.88	1.87	1.88	1.87	1.88	1.88	1.88	1.88	1.89	1.89	1.90	1.90				
145	2.01	2.01	2.00	2.00	1.99	2.00	2.00	2.01	2.00	2.01	2.00	2.02	2.02	2.03	2.02				
150	2.13	2.12	2.12	2.12	2.11	2.12	2.11	2.12	2.12	2.13	2.12	2.14	2.14	2.15	2.14				
155	2.24	2.24	2.23	2.23	2.22	2.22	2.22	2.23	2.23	2.24	2.23	2.25	2.25	2.26	2.25				
160	2.34	2.34	2.33	2.33	2.32	2.33	2.32	2.33	2.33	2.34	2.34	2.35	2.35	2.37	2.36				
165	2.43	2.43	2.42	2.42	2.41	2.42	2.41	2.42	2.42	2.43	2.43	2.45	2.45	2.47	2.47				
170	2.51	2.52	2.51	2.52	2.51	2.51	2.51	2.52	2.51	2.53	2.52	2.54	2.54	2.57	2.57				
175	2.58	2.60	2.58	2.59	2.58	2.59	2.59	2.60	2.59	2.60	2.60	2.62	2.62	2.64	2.64				
180	2.64	2.64	2.63	2.64	2.64	2.64	2.64	2.64	2.64	2.64	2.65	2.65	2.66	2.67	2.68				

C Range: 0 - 360DEG
 C Interval: 5.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators: DAMIN
 Test Date: 2015-07-02

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: