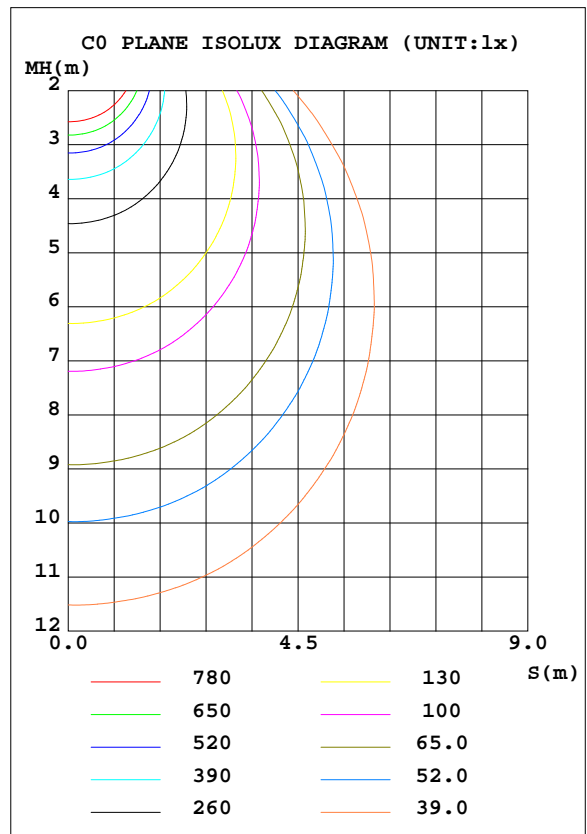
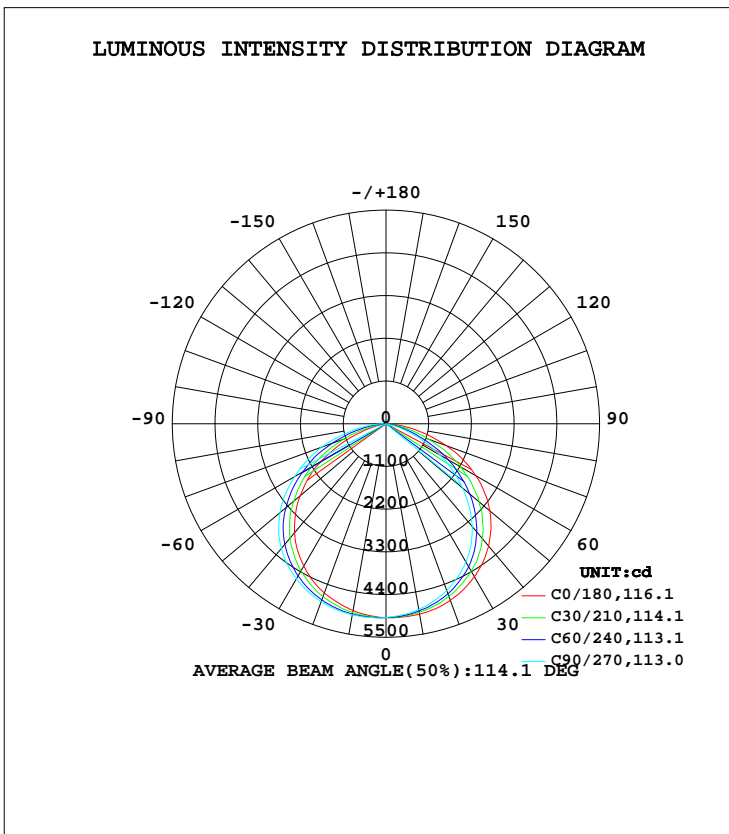


**LUMINAIRE PHOTOMETRIC TEST REPORT**

NAME: TAB0115-150	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: YUANJE	SUR.:	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 98.69 lm/W			
MODEL		I <sub>max</sub> (cd)	5023	S/MH(C0/180)	1.26
NOMINAL POWER(W)	150	LOR(%)	100.0	S/MH(C90/270)	1.37
RATED VOLTAGE(V)	230	TOTAL FLUX(lm)	14288	η UP, DN(C0-180)	0.0,45.0
NOMINAL FLUX(lm)	14287.8	CIE CLASS	DIRECT	η UP, DN(C180-360)	0.0,55.0
LAMPS INSIDE	1	η up(%)	0.0	CIBSE SHR NOM	1.25
TEST VOLTAGE(V)	230	η down(%)	100.0	CIBSE SHR MAX	1.35



C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature:0DEG  
 Operators:  
 Test Date:15 January 2019

γ Range: 0 - 90DEG  
 γ Interval: 1.0DEG  
 Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.404.6  
 Humidity:65.0%  
 Test Distance:7.700m [K=1.0000]  
 Remarks:

ZONAL FLUX DIAGRAM

ZONAL FLUX DIAGRAM:

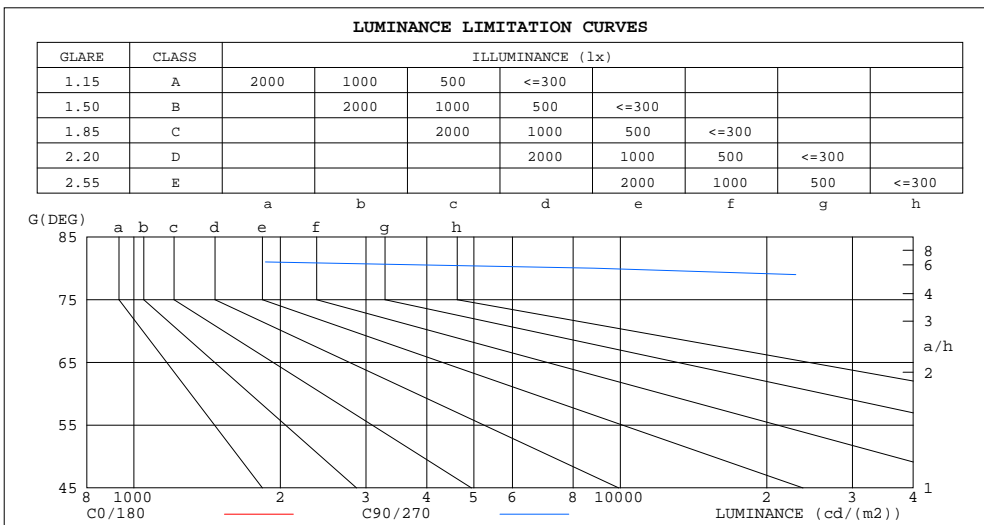
$\gamma$	C0	C45	C90	C135	C180	C225	C270	C315	$\gamma$	$\Phi$ zone	$\Phi$ total	$\Phi$ lum,lamp
10	4977	4919	4853	4852	4886	4937	4995	5009	0- 10	473.6	473.6	3.31,3.31
20	4838	4695	4574	4556	4640	4754	4881	4922	10- 20	1370	1844	12.9,12.9
30	4550	4310	4114	4084	4232	4414	4613	4686	20- 30	2111	3955	27.7,27.7
40	4109	3755	3457	3413	3664	3915	4187	4287	30- 40	2588	6543	45.8,45.8
50	3492	2994	2573	2528	2884	3193	3562	3691	40- 50	2700	9243	64.7,64.7
60	2663	2060	1593	1521	1931	2297	2711	2880	50- 60	2387	11630	81.4,81.4
70	1648	1012	618.4	534.8	837.3	1267	1764	1945	60- 70	1682	13312	93.2,93.2
80	611.7	225.2	15.38	2.761	57.12	405.7	755.7	919.8	70- 80	797.1	14109	98.7,98.7
90	9.898	0.7717	1.194	1.480	1.776	1.629	70.97	117.7	80- 90	179.0	14288	100,100
100									90-100			
110									100-110			
120									110-120			
130									120-130			
140									130-140			
150									140-150			
160									150-160			
170									160-170			
180									170-180			
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature:0DEG  
 Operators:  
 Test Date:15 January 2019

$\gamma$  Range: 0 - 90DEG  
 $\gamma$  Interval: 1.0DEG  
 Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.404.6  
 Humidity:65.0%  
 Test Distance:7.700m [K=1.0000]  
 Remarks:

**LUMINANCE LIMITATION CURVES**

NAME: TAB0115-150	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: YUANJE	SUR.:	Shielding Angle:



LUMINANCE cd/(m2)		
G(DEG)	C0/180	C90/270
85	258675	834
80	364862	8836
75	445567	102709
70	499150	180339
65	536970	252196
60	551608	317846
55	560339	363264
50	562672	399297
45	560308	428896

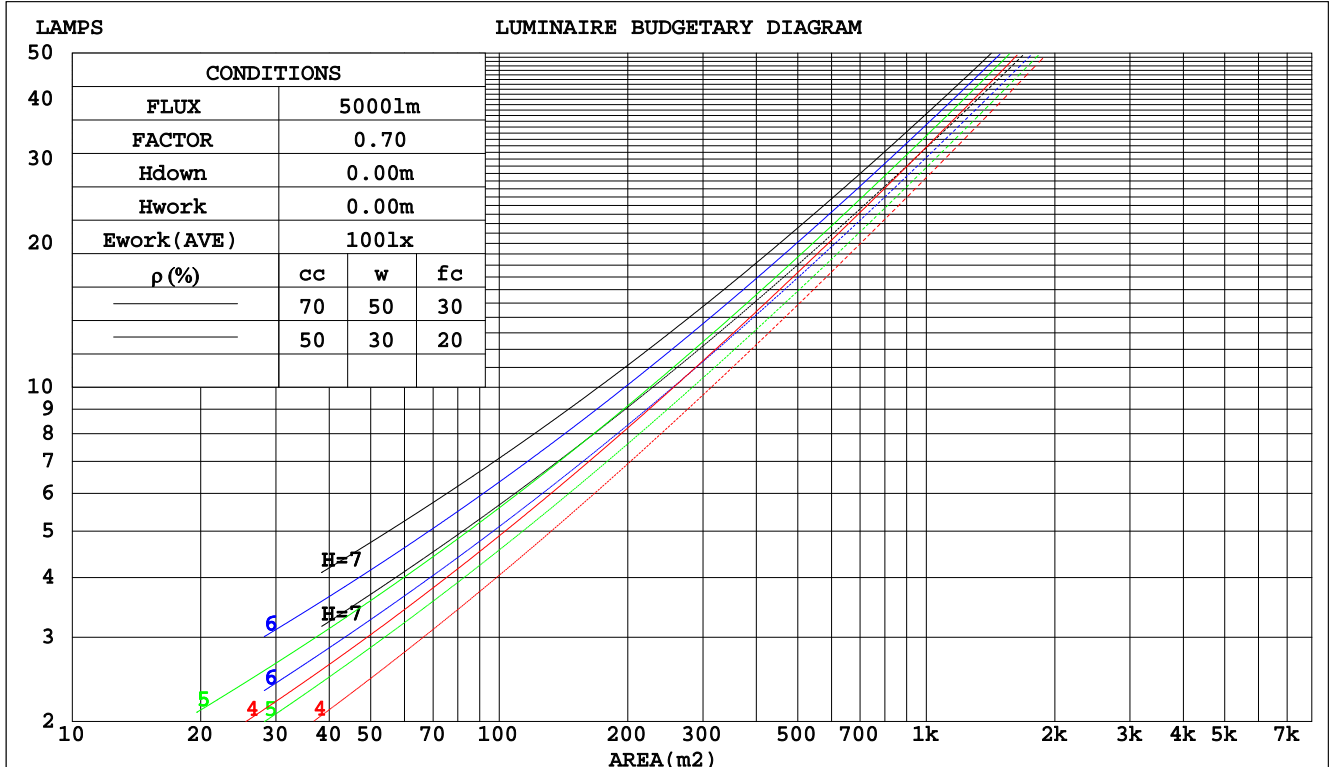
C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature: 0DEG  
 Operators:  
 Test Date: 15 January 2019

γ Range: 0 - 90DEG  
 γ Interval: 1.0DEG  
 Test System: EVERFINE GO-2000B\_V1 SYSTEM V2.0.404.6  
 Humidity: 65.0%  
 Test Distance: 7.700m [K=1.0000]  
 Remarks:

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

NAME: TAB0115-150	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: YUANJE	SUR.:	Shielding Angle:

pcc	80%			70%			50%			30%			10%			0
	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
pw																
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	1.00
1.0	1.05	1.01	.97	1.02	.99	.95	.98	.95	.92	.94	.92	.89	.91	.89	.87	.85
2.0	.91	.85	.79	.90	.83	.78	.86	.81	.76	.83	.78	.75	.80	.76	.73	.71
3.0	.80	.72	.66	.79	.71	.65	.76	.69	.64	.73	.68	.63	.71	.66	.62	.60
4.0	.71	.63	.56	.70	.62	.56	.67	.60	.55	.65	.59	.54	.63	.58	.53	.51
5.0	.64	.55	.48	.63	.54	.48	.60	.53	.47	.58	.52	.47	.57	.51	.46	.44
6.0	.57	.48	.42	.56	.48	.42	.54	.47	.41	.53	.46	.41	.51	.45	.41	.39
7.0	.52	.43	.37	.51	.43	.37	.50	.42	.37	.48	.41	.36	.47	.41	.36	.34
8.0	.47	.39	.33	.47	.39	.33	.45	.38	.33	.44	.37	.32	.43	.37	.32	.30
9.0	.43	.35	.30	.43	.35	.30	.42	.34	.29	.41	.34	.29	.40	.33	.29	.27
10.0	.40	.32	.27	.39	.32	.27	.38	.31	.27	.38	.31	.27	.37	.31	.26	.25



C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature: 0DEG  
 Operators:  
 Test Date: 15 January 2019

γ Range: 0 - 90DEG  
 γ Interval: 1.0DEG  
 Test System: EVERFINE GO-2000B\_V1 SYSTEM V2.0.404.6  
 Humidity: 65.0%  
 Test Distance: 7.700m [K=1.0000]  
 Remarks:

WEC AND CCEC

NAME: TAB0115-150	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: YUANJE	SUR.:	Shielding Angle:

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						Wall Exitance Coefficients(WEC)									
0.0																
1.0	.296	.168	.053	.288	.165	.052	.275	.158	.050	.263	.152	.049	.252	.146	.047	
2.0	.282	.155	.047	.276	.152	.047	.264	.147	.046	.254	.142	.045	.244	.138	.043	
3.0	.263	.140	.042	.258	.138	.042	.248	.134	.041	.238	.130	.040	.229	.127	.039	
4.0	.244	.127	.037	.240	.125	.037	.230	.122	.037	.222	.119	.036	.214	.116	.035	
5.0	.227	.116	.033	.223	.114	.033	.215	.112	.033	.207	.109	.032	.200	.107	.032	
6.0	.211	.106	.030	.207	.105	.030	.200	.103	.030	.193	.100	.030	.187	.098	.029	
7.0	.197	.097	.028	.194	.096	.027	.187	.095	.027	.181	.093	.027	.175	.091	.027	
8.0	.184	.090	.025	.181	.089	.025	.175	.088	.025	.170	.086	.025	.165	.085	.025	
9.0	.173	.084	.023	.170	.083	.023	.165	.082	.023	.160	.080	.023	.156	.079	.023	
10.0	.163	.078	.022	.160	.077	.022	.156	.076	.021	.151	.075	.021	.147	.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	.190	.190	.190	.163	.163	.163	.111	.111	.111	.064	.064	.064	.020	.020	.020	
1.0	.179	.156	.135	.153	.134	.117	.105	.092	.081	.060	.053	.047	.019	.017	.015	
2.0	.171	.132	.099	.146	.114	.086	.100	.079	.060	.058	.046	.035	.019	.015	.011	
3.0	.163	.114	.075	.140	.099	.065	.096	.068	.046	.055	.040	.027	.018	.013	.009	
4.0	.156	.101	.059	.134	.087	.051	.092	.061	.036	.053	.036	.021	.017	.012	.007	
5.0	.148	.090	.048	.127	.078	.041	.088	.055	.029	.051	.032	.017	.016	.010	.006	
6.0	.141	.082	.040	.122	.071	.034	.084	.050	.024	.049	.029	.014	.016	.010	.005	
7.0	.135	.075	.033	.116	.065	.029	.080	.046	.021	.047	.027	.012	.015	.009	.004	
8.0	.128	.069	.029	.110	.060	.025	.076	.042	.018	.044	.025	.011	.014	.008	.004	
9.0	.122	.064	.025	.105	.056	.022	.073	.039	.016	.043	.023	.009	.014	.008	.003	
10.0	.117	.060	.023	.101	.052	.020	.070	.037	.014	.041	.022	.008	.013	.007	.003	

C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature: 0DEG  
 Operators:  
 Test Date: 15 January 2019

γ Range: 0 - 90DEG  
 γ Interval: 1.0DEG  
 Test System: EVERFINE GO-2000B\_V1 SYSTEM V2.0.404.6  
 Humidity: 65.0%  
 Test Distance: 7.700m [K=1.0000]  
 Remarks:

UGR(Unified Glare Rating) Table

NAME: TAB0115-150					TYPE:					WEIGHT:				
SPEC.:					DIM.:					SERIAL No.:				
MFR.:YUANJE					SUR.:					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	25.7	27.2	26.0	27.4	27.6	23.8	25.3	24.1	25.5	25.7				
3H	27.3	28.7	27.6	28.9	29.2	24.5	25.9	24.8	26.1	26.4				
4H	27.9	29.2	28.2	29.4	29.7	24.6	25.9	24.9	26.1	26.4				
6H	28.2	29.5	28.6	29.7	30.0	24.5	25.7	24.8	26.0	26.3				
8H	28.3	29.5	28.7	29.8	30.1	24.4	25.6	24.8	25.9	26.2				
12H	28.3	29.5	28.7	29.8	30.1	24.4	25.5	24.7	25.8	26.1				
4H 2H	26.0	27.4	26.4	27.6	27.9	24.5	25.8	24.8	26.1	26.3				
3H	27.7	28.9	28.1	29.2	29.5	25.3	26.4	25.6	26.7	27.0				
4H	28.4	29.4	28.7	29.7	30.1	25.4	26.5	25.8	26.8	27.1				
6H	28.8	29.7	29.2	30.1	30.5	25.4	26.3	25.8	26.6	27.0				
8H	28.9	29.8	29.4	30.2	30.6	25.3	26.2	25.7	26.6	26.9				
12H	29.0	29.8	29.4	30.2	30.6	25.3	26.1	25.7	26.5	26.9				
8H 4H	28.4	29.2	28.8	29.6	30.0	25.6	26.5	26.0	26.8	27.2				
6H	28.9	29.6	29.3	30.0	30.4	25.6	26.3	26.0	26.7	27.1				
8H	29.0	29.7	29.5	30.1	30.5	25.6	26.2	26.0	26.6	27.1				
12H	29.1	29.7	29.6	30.1	30.6	25.5	26.1	26.0	26.5	27.0				
12H 4H	28.3	29.1	28.7	29.5	29.9	25.6	26.4	26.0	26.8	27.2				
6H	28.8	29.5	29.3	29.9	30.3	25.6	26.2	26.1	26.7	27.1				
8H	29.0	29.6	29.5	30.0	30.5	25.6	26.1	26.1	26.6	27.0				
Variations with the observer position at spacings:														
S = 1.0H	+ 0.1 / - 0.2					+ 0.4 / - 0.5								
1.5H	+ 0.2 / - 0.2					+ 0.3 / - 0.7								
2.0H	+ 0.4 / - 0.6					+ 0.4 / - 1.0								

CIE Pub.117, 14288 lm Total Lamp Luminous Flux Correct (8log(F/F0) = 9.2)

C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature: 0DEG  
 Operators:  
 Test Date: 15 January 2019

γ Range: 0 - 90DEG  
 γ Interval: 1.0DEG  
 Test System: EVERFINE GO-2000B\_V1 SYSTEM V2.0.404.6  
 Humidity: 65.0%  
 Test Distance: 7.700m [K=1.0000]  
 Remarks:

UTILIZATION FACTORS TABLE

NAME: TAB0115-150	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:YUANJE	SUR.:	Shielding Angle:

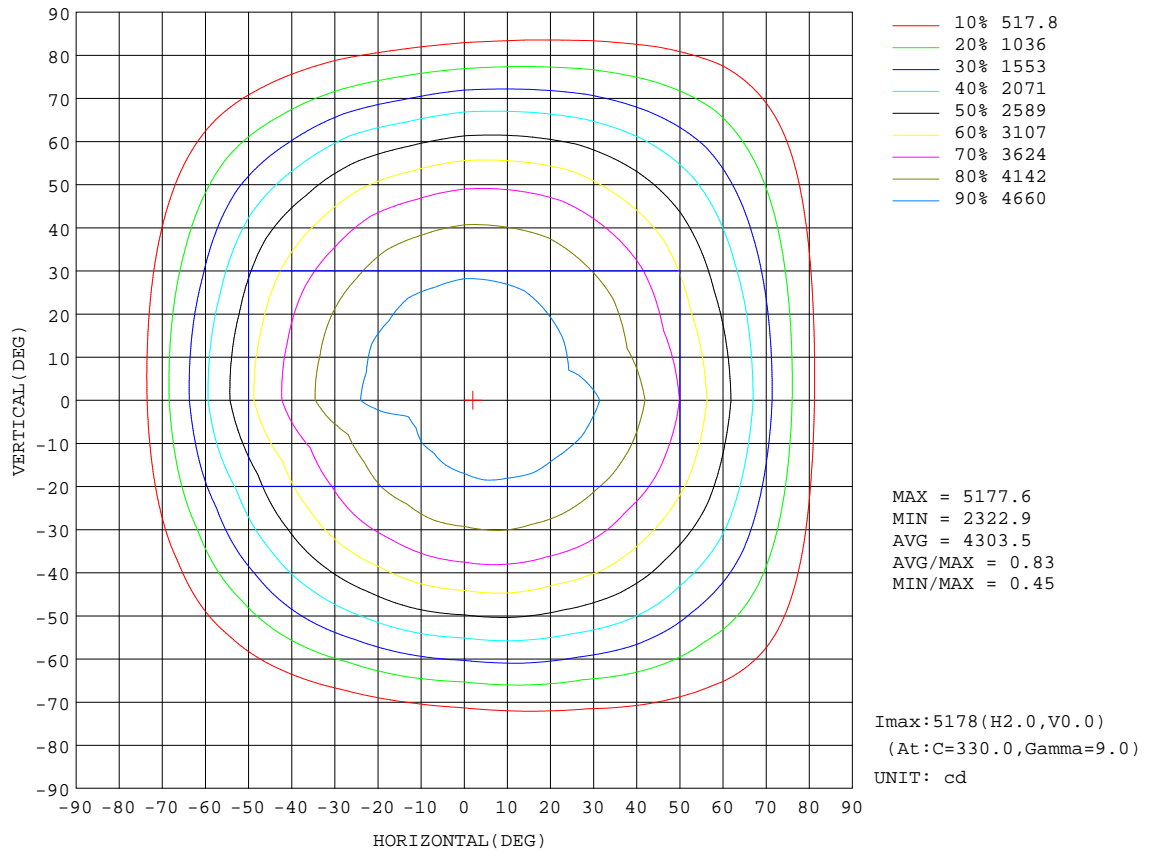
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) $k(RI) \times RCR = 5$									
k = 0.60	58	46	39	57	46	39	56	46	39	33
0.80	68	57	49	67	56	49	65	56	49	42
1.00	77	66	59	76	65	59	73	67	58	51
1.25	84	74	67	83	73	66	80	72	66	58
1.50	89	79	73	87	79	72	84	77	71	64
2.00	96	88	81	94	86	81	91	84	79	71
2.50	100	92	86	98	91	85	94	88	84	75
3.00	103	96	91	101	95	90	97	92	88	80
4.00	107	101	97	105	100	96	100	96	93	84
5.00	109	105	101	107	103	99	102	99	96	87
ROOM INDEX	UF(total)									Direct
According to DIN EN 13032-2 2004			Suspended				SHRNOM = 1.25			

C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature:0DEG  
 Operators:  
 Test Date:15 January 2019

$\gamma$  Range: 0 - 90DEG  
 $\gamma$  Interval: 1.0DEG  
 Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.404.6  
 Humidity:65.0%  
 Test Distance:7.700m [K=1.0000]  
 Remarks:

**ISOCANDELA DIAGRAM**

NAME: TAB0115-150	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: YUANJE	SUR.:	Shielding Angle:



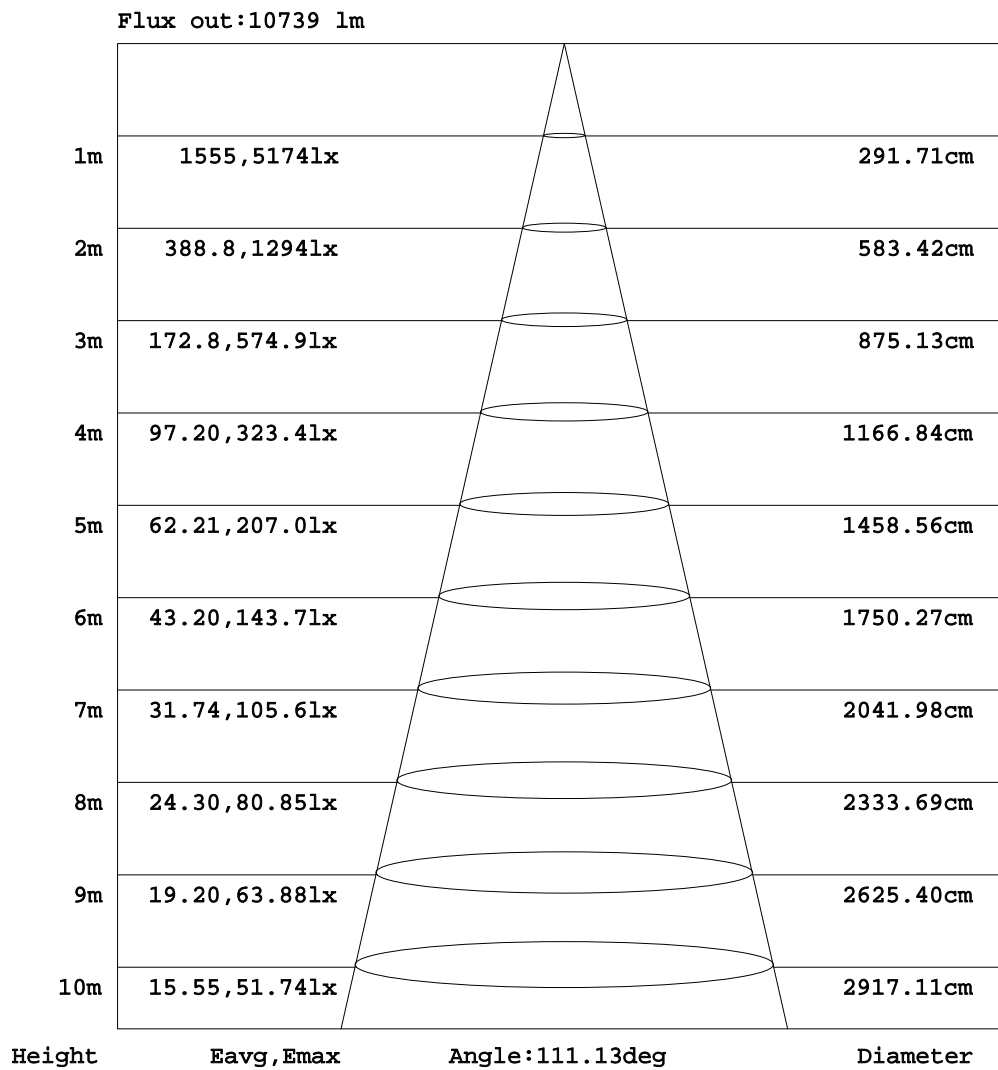
C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature: 0DEG  
 Operators:  
 Test Date: 15 January 2019

γ Range: 0 - 90DEG  
 γ Interval: 1.0DEG  
 Test System: EVERFINE GO-2000B\_V1 SYSTEM V2.0.404.6  
 Humidity: 65.0%  
 Test Distance: 7.700m [K=1.0000]  
 Remarks:



**AAI Figure**

NAME: TAB0115-150	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:YUANJE	SUR.:	Shielding Angle:



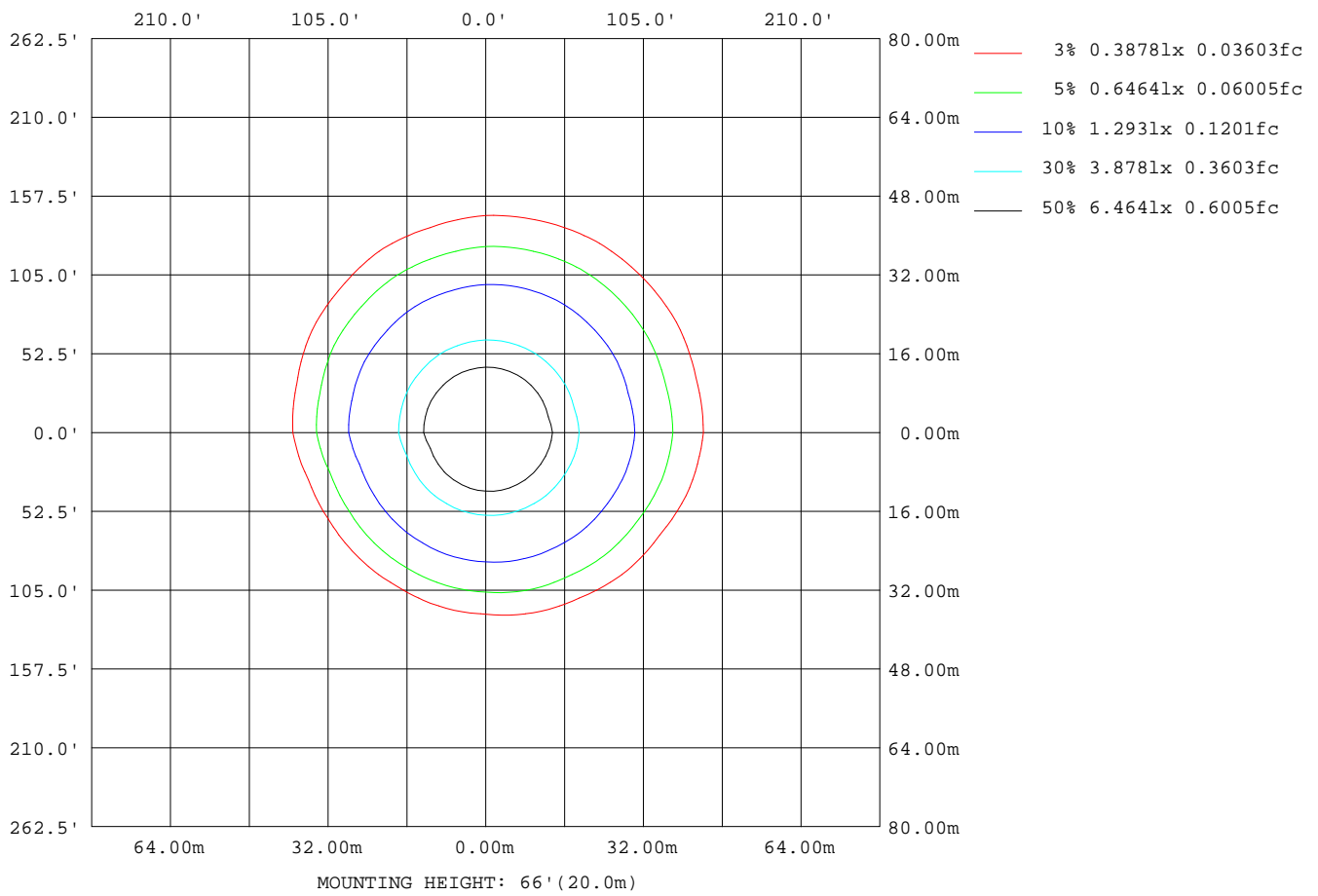
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature:0DEG  
 Operators:  
 Test Date:15 January 2019

γ Range: 0 - 90DEG  
 γ Interval: 1.0DEG  
 Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.404.6  
 Humidity:65.0%  
 Test Distance:7.700m [K=1.0000]  
 Remarks:

**ISOLUX DIAGRAM**

NAME: TAB0115-150	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: YUANJE	SUR.:	Shielding Angle:



C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature: 0DEG  
 Operators:  
 Test Date: 15 January 2019

$\gamma$  Range: 0 - 90DEG  
 $\gamma$  Interval: 1.0DEG  
 Test System: EVERFINE GO-2000B\_V1 SYSTEM V2.0.404.6  
 Humidity: 65.0%  
 Test Distance: 7.700m [K=1.0000]  
 Remarks:

LED Avg.L Report

NAME: TAB0115-150	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: YUANJE	SUR.:	Shielding Angle:

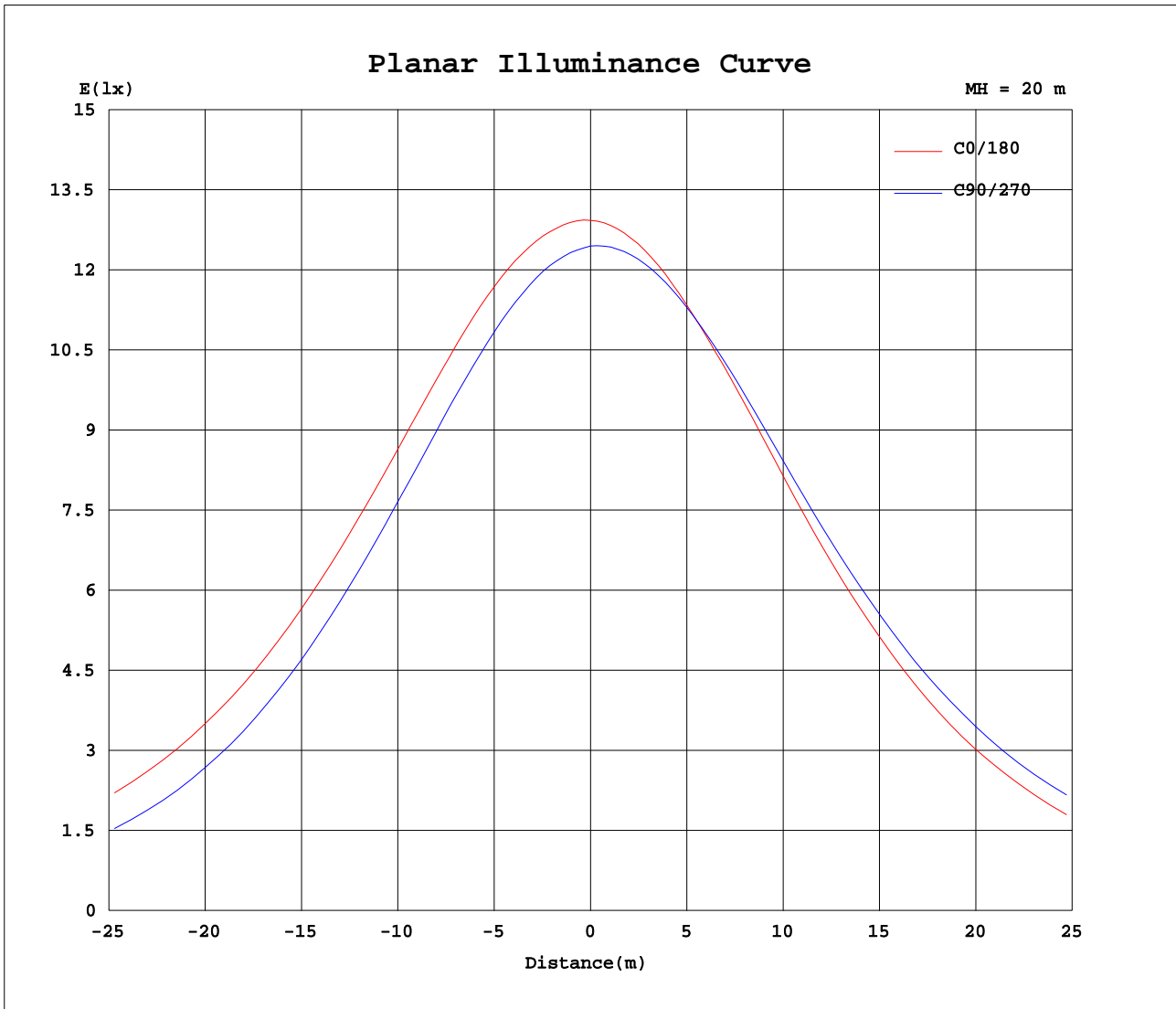
AvgL	cd/m2
L_0~180(65)av	421593
L_0~180(75)av	288129
L_0~180(85)av	125776
L_90~270(65)av	393288
L_90~270(75)av	287445
L_90~270(85)av	212361
L_45(65)av	399293
L_45(75)av	284217
L_45(85)av	165611

Standard: GB/T 29293-2012

C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature: 0DEG  
 Operators:  
 Test Date: 15 January 2019

$\gamma$  Range: 0 - 90DEG  
 $\gamma$  Interval: 1.0DEG  
 Test System: EVERFINE GO-2000B\_V1 SYSTEM V2.0.404.6  
 Humidity: 65.0%  
 Test Distance: 7.700m [K=1.0000]  
 Remarks:

Planar Illuminance Curve



C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature: 0DEG  
 Operators:  
 Test Date: 15 January 2019

γ Range: 0 - 90DEG  
 γ Interval: 1.0DEG  
 Test System: EVERFINE GO-2000B\_V1 SYSTEM V2.0.404.6  
 Humidity: 65.0%  
 Test Distance: 7.700m [K=1.0000]  
 Remarks:



