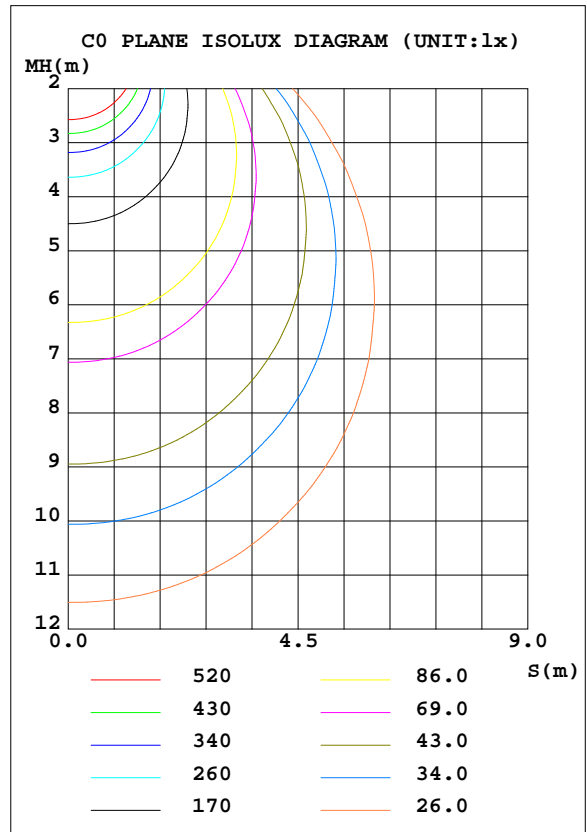
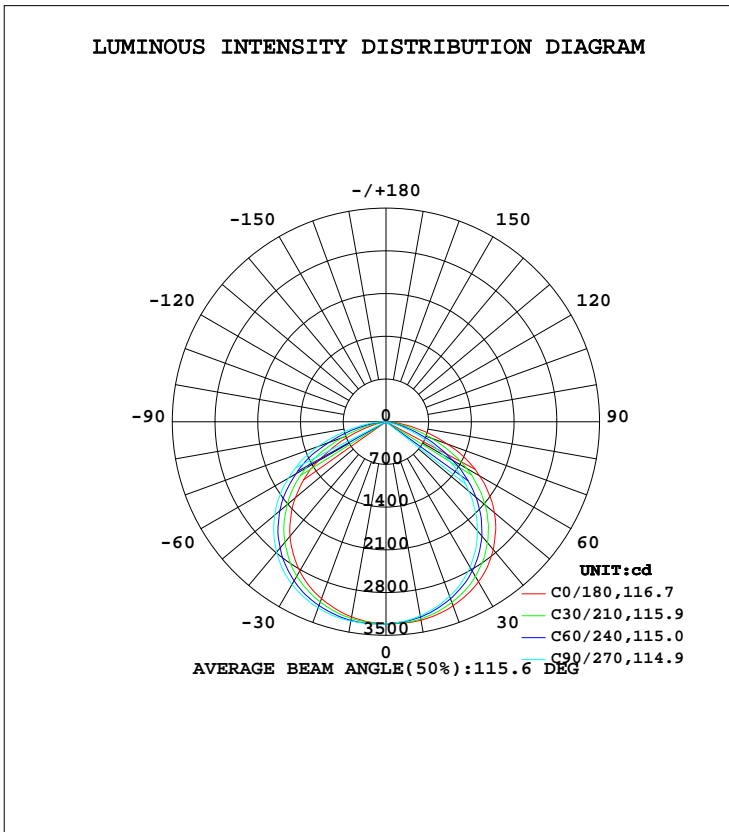


LUMINAIRE PHOTOMETRIC TEST REPORT

NAME: TAB0110-100	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: YUANJE	SUR.:	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 99.85 lm/W			
MODEL		I _{max} (cd)	3329	S/MH(C0/180)	1.27
NOMINAL POWER(W)	100	LOR(%)	100.0	S/MH(C90/270)	1.38
RATED VOLTAGE(V)	230	TOTAL FLUX(lm)	9506.8	η UP, DN(C0-180)	0.0,45.4
NOMINAL FLUX(lm)	9506.75	CIE CLASS	DIRECT	η UP, DN(C180-360)	0.0,54.6
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:

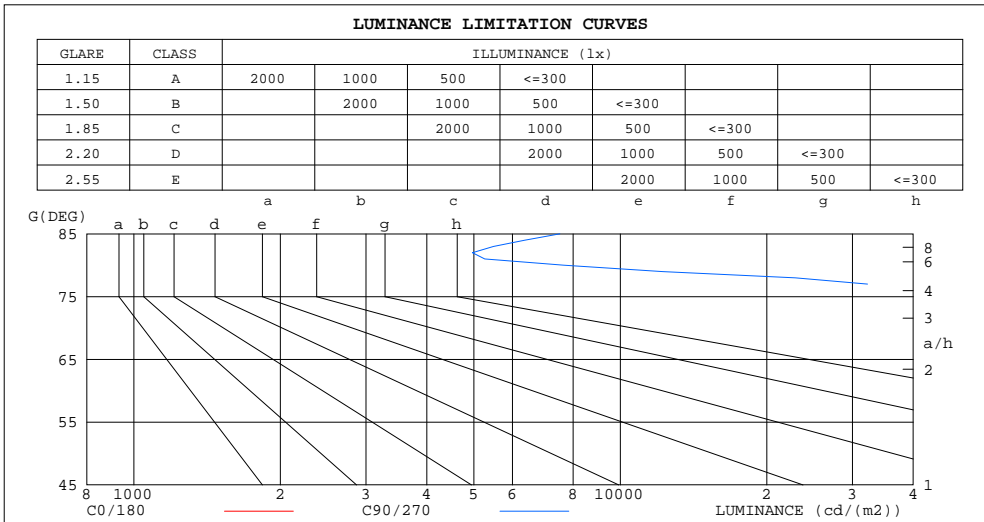
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	Φ lum,lamp
10	3301	3269	3230	3227	3247	3286	3316	3319	0- 10	314.3	314.3	3.31,3.31
20	3211	3129	3042	3025	3085	3162	3246	3265	10- 20	910.1	1224	12.9,12.9
30	3029	2895	2753	2707	2827	2954	3079	3091	20- 30	1404	2628	27.6,27.6
40	2736	2531	2329	2284	2446	2626	2786	2819	30- 40	1723	4352	45.8,45.8
50	2319	2046	1771	1720	1942	2181	2380	2419	40- 50	1806	6158	64.8,64.8
60	1766	1414	1078	1046	1280	1594	1845	1887	50- 60	1611	7769	81.7,81.7
70	1064	694.4	426.1	373.4	541.4	871.1	1185	1236	60- 70	1130	8899	93.6,93.6
80	371.2	114.4	13.40	8.472	28.61	240.5	467.3	533.8	70- 80	510.1	9409	99,99
90	6.982	6.401	6.881	7.192	6.853	7.119	19.31	41.06	80- 90	97.43	9507	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

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:

LUMINANCE LIMITATION CURVES

NAME: TAB0110-100	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:YUANJE	SUR.:	Shielding Angle:



LUMINANCE cd/(m2)		
G(DEG)	C0/180	C90/270
85	114083	7512
80	222213	7652
75	287567	58446
70	323452	123511
65	355406	172695
60	367162	213640
55	372599	251514
50	375013	273130
45	373761	289812

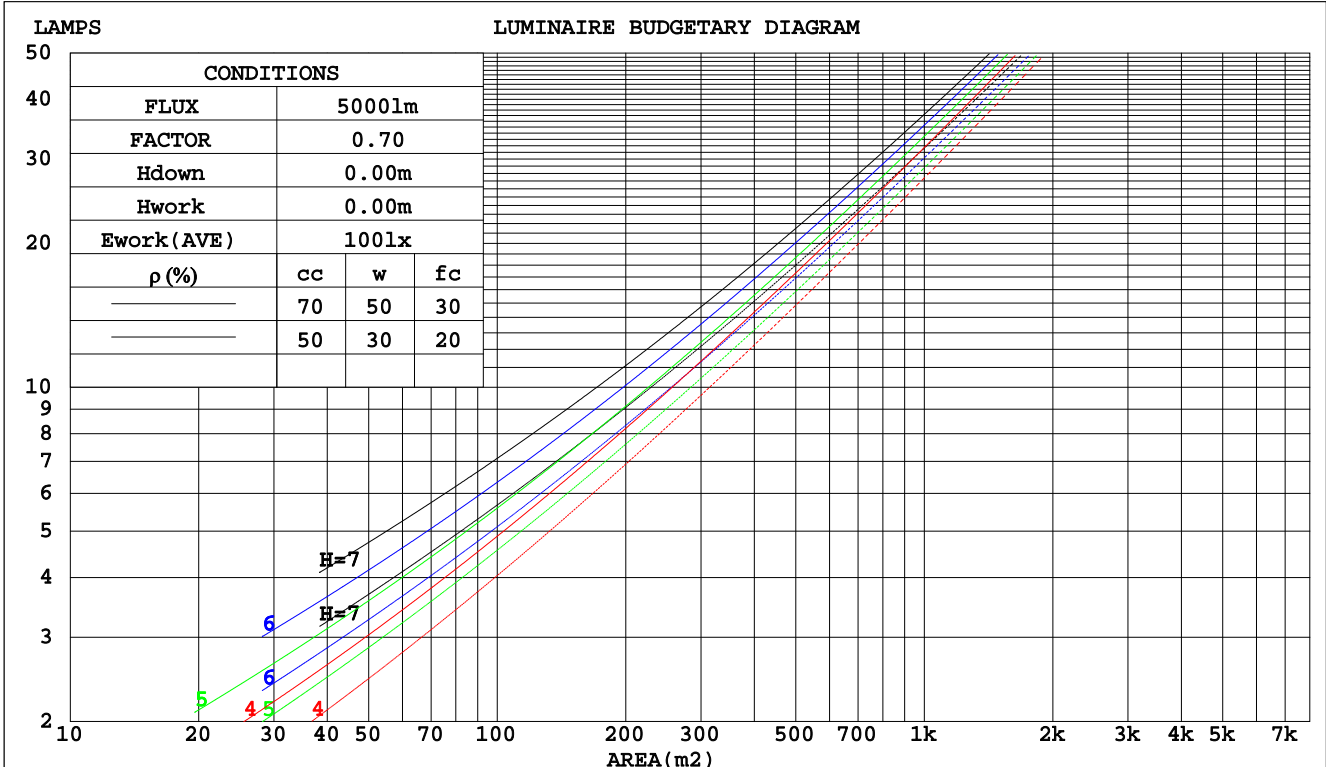
C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature: 0DEG
 Operators:
 Test Date: 15 January 2019

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: TAB0110-100	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																0
pfc	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio						Coefficients of Utilization(CU)									
0.0	1.19	1.19	1.19	1.16	1.16	1.16	1.11	1.11	1.11	1.06	1.06	1.06	1.02	1.02	1.02	.00
1.0	1.05	1.01	.97	1.03	.99	.95	.98	.95	.92	.94	.92	.90	.91	.89	.87	.85
2.0	.92	.85	.79	.90	.84	.78	.86	.81	.77	.83	.79	.75	.80	.76	.73	.71
3.0	.81	.73	.66	.79	.72	.66	.76	.70	.64	.73	.68	.63	.71	.66	.62	.60
4.0	.71	.63	.56	.70	.62	.56	.68	.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	.55	.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	.34	.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: TAB0110-100	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	.293	.166	.053	.286	.163	.052	.272	.156	.050	.260	.150	.048	.249	.144	.047	
2.0	.281	.154	.047	.274	.151	.047	.263	.146	.045	.252	.141	.044	.242	.137	.043	
3.0	.262	.140	.042	.257	.138	.041	.247	.134	.041	.237	.130	.040	.228	.126	.039	
4.0	.244	.127	.037	.239	.125	.037	.230	.122	.036	.222	.119	.036	.214	.116	.035	
5.0	.227	.115	.033	.222	.114	.033	.214	.112	.033	.207	.109	.032	.200	.107	.032	
6.0	.211	.106	.030	.207	.105	.030	.200	.102	.030	.193	.100	.030	.187	.098	.029	
7.0	.197	.097	.028	.193	.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	.155	.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	.136	.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	.133	.087	.051	.092	.061	.036	.053	.036	.021	.017	.012	.007	
5.0	.148	.090	.048	.127	.078	.042	.088	.055	.029	.051	.032	.017	.016	.010	.006	
6.0	.141	.082	.040	.121	.071	.034	.084	.050	.024	.049	.029	.014	.016	.010	.005	
7.0	.135	.075	.033	.116	.065	.029	.080	.046	.021	.046	.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: TAB0110-100					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	25.8	27.3	26.1	27.5	27.7	24.0	25.5	24.3	25.7	25.9				
3H	27.3	28.7	27.6	29.0	29.2	24.6	26.0	24.9	26.3	26.5				
4H	27.9	29.2	28.2	29.4	29.7	24.7	26.0	25.0	26.3	26.5				
6H	28.2	29.4	28.5	29.7	30.0	24.6	25.8	24.9	26.1	26.4				
8H	28.2	29.4	28.6	29.7	30.0	24.6	25.7	24.9	26.0	26.3				
12H	28.2	29.4	28.6	29.7	30.0	24.5	25.6	24.8	25.9	26.2				
4H 2H	26.1	27.5	26.5	27.7	28.0	24.7	26.0	25.0	26.2	26.5				
3H	27.8	28.9	28.1	29.2	29.5	25.4	26.6	25.8	26.9	27.2				
4H	28.4	29.4	28.7	29.7	30.1	25.5	26.6	25.9	26.9	27.2				
6H	28.8	29.7	29.2	30.0	30.4	25.5	26.4	25.9	26.7	27.1				
8H	28.8	29.7	29.3	30.1	30.4	25.4	26.3	25.8	26.6	27.0				
12H	28.9	29.6	29.3	30.0	30.4	25.4	26.2	25.8	26.5	27.0				
8H 4H	28.4	29.2	28.8	29.6	30.0	25.7	26.6	26.1	26.9	27.3				
6H	28.8	29.5	29.2	29.9	30.3	25.7	26.4	26.1	26.8	27.2				
8H	28.9	29.5	29.4	30.0	30.4	25.6	26.2	26.1	26.7	27.1				
12H	28.9	29.5	29.4	29.9	30.4	25.6	26.1	26.1	26.6	27.0				
12H 4H	28.3	29.1	28.7	29.5	29.9	25.7	26.5	26.1	26.9	27.3				
6H	28.8	29.4	29.2	29.8	30.3	25.7	26.3	26.1	26.7	27.2				
8H	28.9	29.4	29.3	29.9	30.3	25.6	26.2	26.1	26.6	27.1				
Variations with the observer position at spacings:														
S = 1.0H	+ 0.1 / - 0.2					+ 0.4 / - 0.5								
1.5H	+ 0.2 / - 0.2					+ 0.4 / - 0.7								
2.0H	+ 0.4 / - 0.6					+ 0.5 / - 1.1								

CIE Pub.117, 9507 lm Total Lamp Luminous Flux Correct (8log(F/F0) = 7.8)

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: TAB0110-100	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:YUANJE	SUR.:	Shielding Angle:

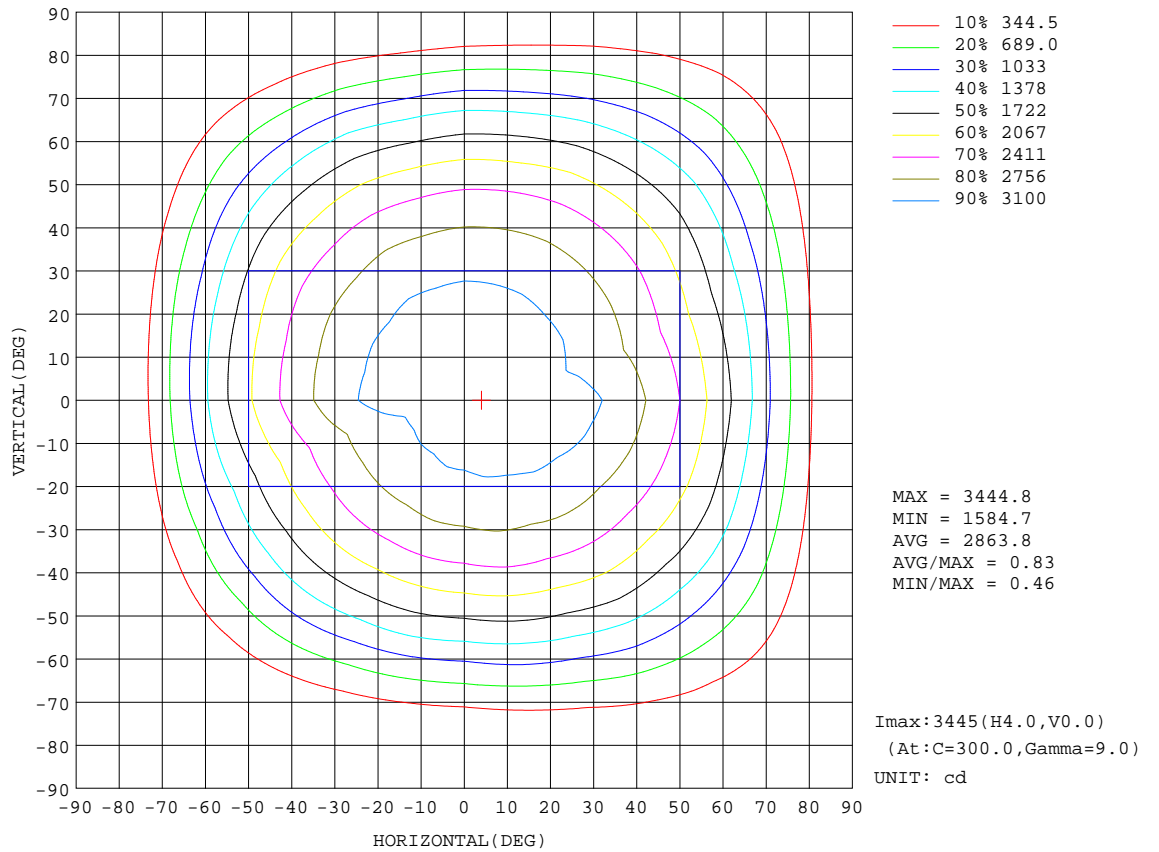
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) $k(RI) \times RCR = 5$									
k = 0.60	58	46	39	57	46	39	56	46	39	33
0.80	68	57	49	67	56	49	65	56	49	42
1.00	77	66	59	76	65	59	74	67	58	51
1.25	84	74	67	83	73	67	80	72	66	59
1.50	89	80	73	87	79	72	85	77	71	64
2.00	96	88	82	94	87	81	91	84	79	72
2.50	100	92	87	98	91	86	94	88	84	76
3.00	103	97	91	101	95	90	97	92	88	80
4.00	107	102	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

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:

ISOCANDELA DIAGRAM

NAME: TAB0110-100	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: YUANJE	SUR.:	Shielding Angle:



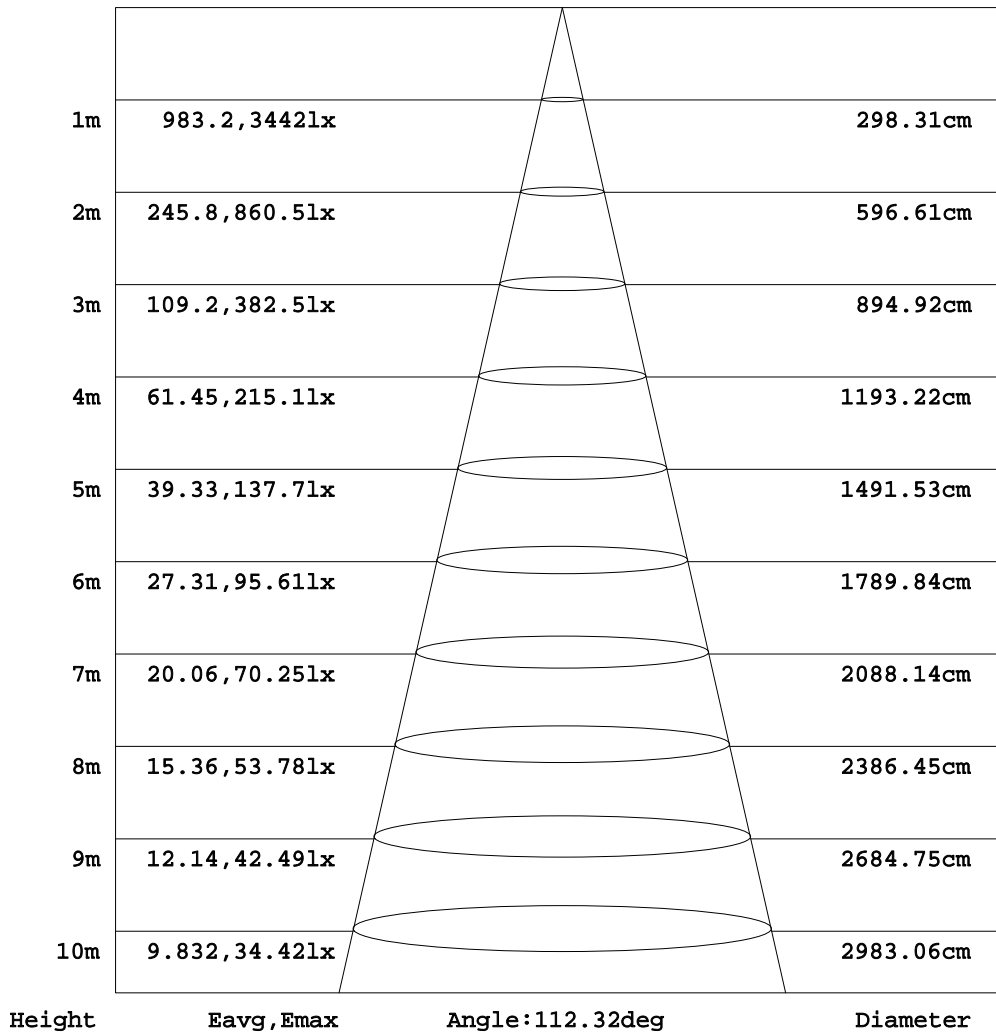
C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature: 0DEG
 Operators:
 Test Date: 15 January 2019

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: TAB0110-100	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: YUANJE	SUR.:	Shielding Angle:

Flux out:7324 lm



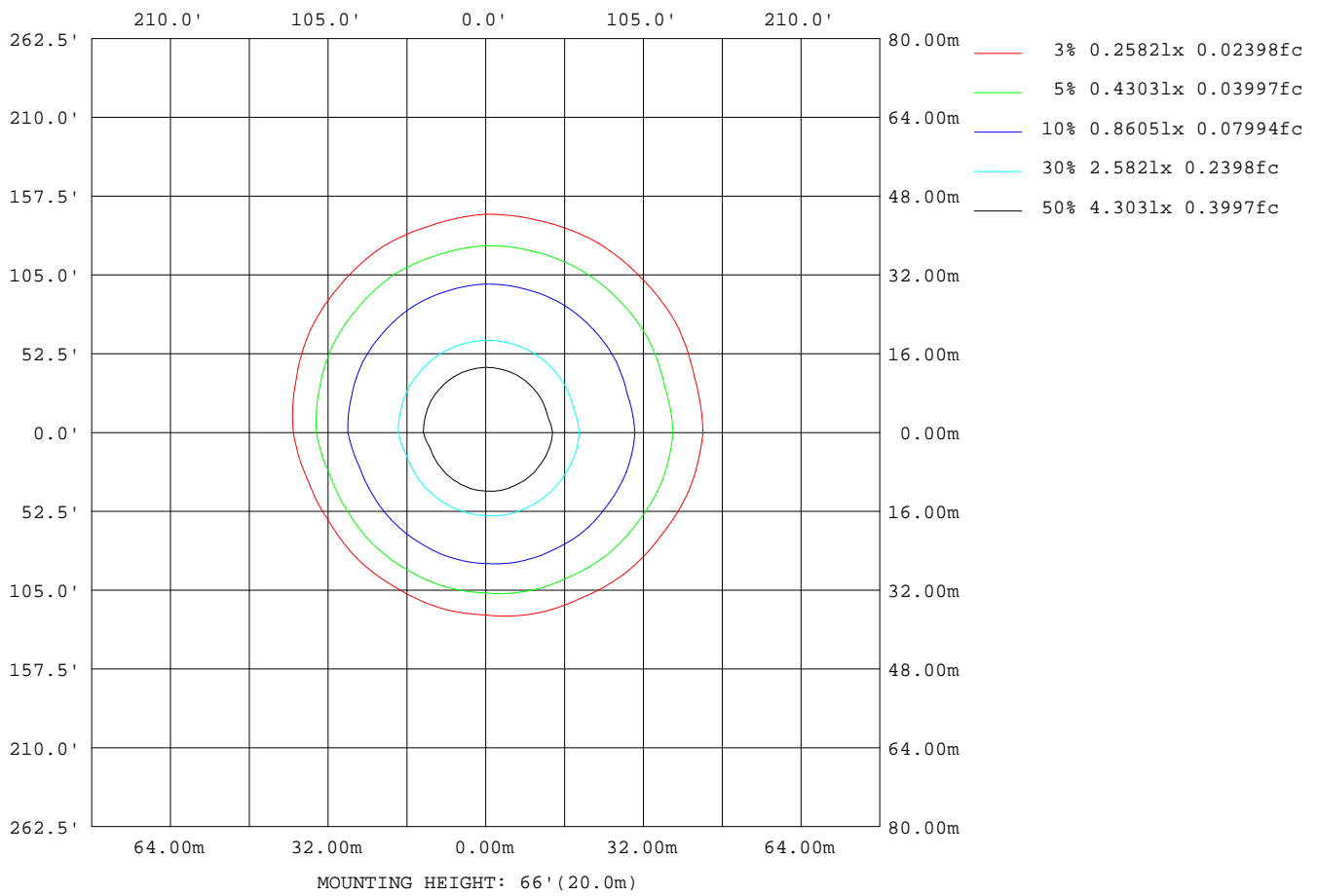
Note: The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature: 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: TAB0110-100	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:

LED Avg.L Report

NAME: TAB0110-100	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: YUANJE	SUR.:	Shielding Angle:

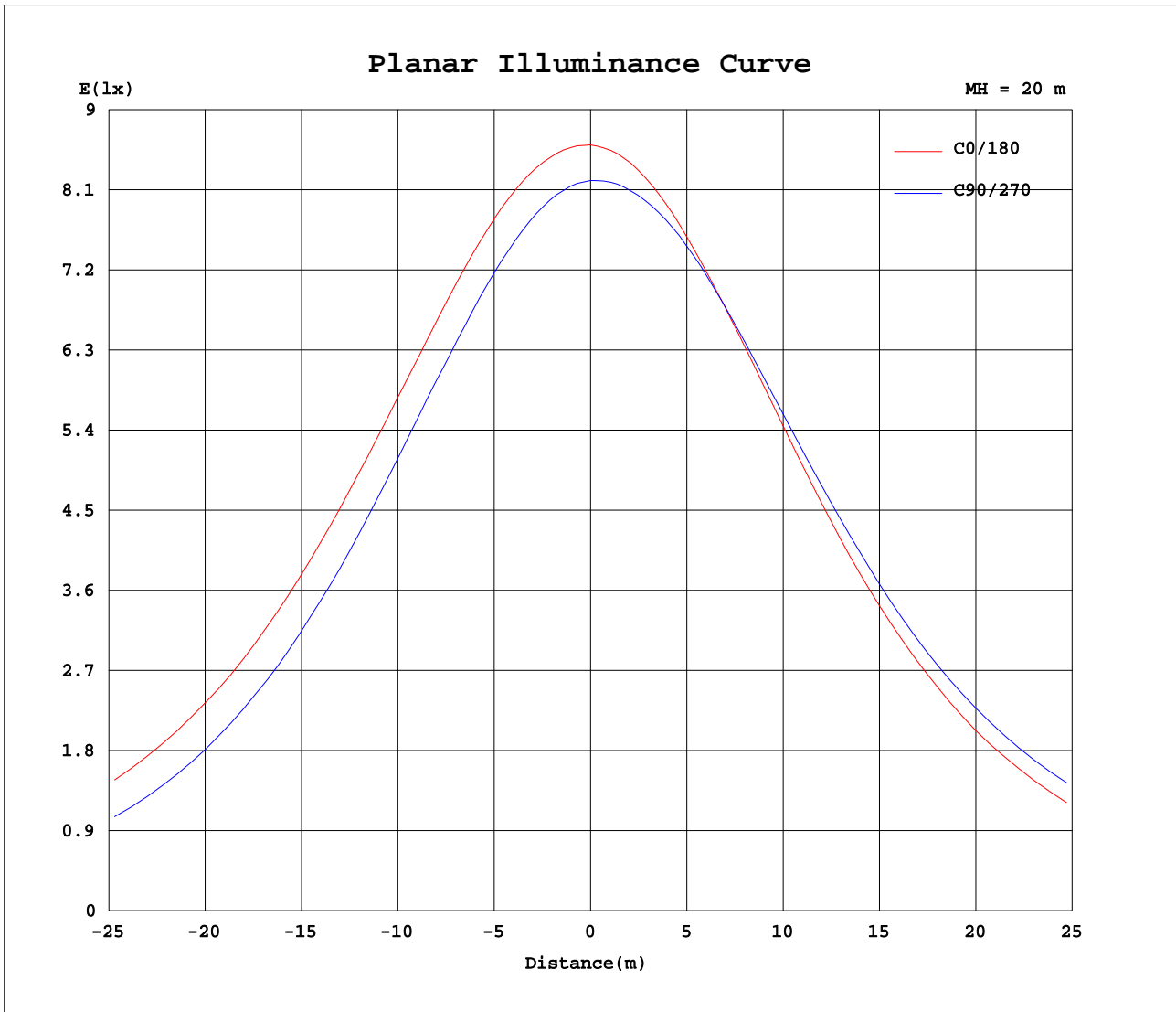
AvgL	cd/m2
L_0~180(65)av	277474
L_0~180(75)av	183721
L_0~180(85)av	58772
L_90~270(65)av	269602
L_90~270(75)av	185356
L_90~270(85)av	113001
L_45(65)av	270858
L_45(75)av	182126
L_45(85)av	86449

Standard: GB/T 29293-2012

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:

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:

