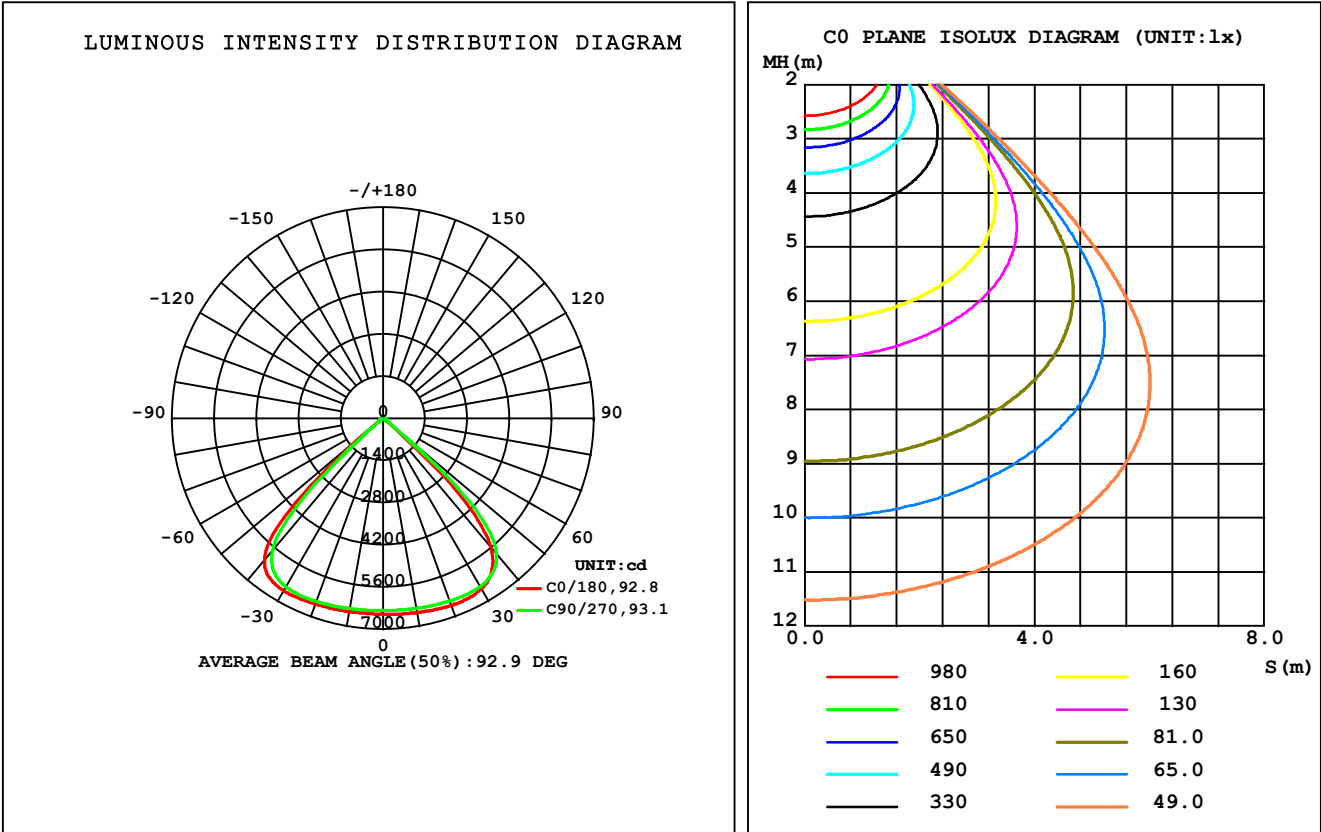


LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:119.90V I:1.3130A P:100.40W PF:0.6370 Freq:50.00Hz Lamp Flux:12785.9x1 lm					
NAME:		TYPE:		WEIGHT:	
SPEC.:		DIM.:		SERIAL No.:	
MFR.: EVERFINE		SUR.:		Shielding Angle:	

DATA OF LAMP		PHOTOMETRIC DATA				Eff: 127.35 lm/W
MODEL		I _{max} (cd)	6621	S/MH (C0/180)	1.42	
NOMINAL POWER (W)	100	LOR (%)	100.0	S/MH (C90/270)	1.38	
RATED VOLTAGE (V)	120	TOTAL FLUX (lm)	12786	η UP, DN (C0-180)	0.0, 49.6	
NOMINAL FLUX (lm)	12785.9	CIE CLASS	DIRECT	η UP, DN (C180-360)	0.0, 50.4	
LAMPS INSIDE	1	η up (%)	0.0	CIBSE SHR NOM	1.25	
TEST VOLTAGE (V)	120	η down (%)	100.0	CIBSE SHR MAX	1.35	



C Range: 0 - 360DEG
C Interval: 90.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: YINQINYI
Test Date: 2024-12-21

γ Range: 0 - 90DEG
γ Interval: 0.5DEG
Test System: EVERFINE GO-2000A_V1 SYSTEM V2.00.411
Humidity: 65.0%
Test Distance: 7.430m [K=1.0000]
Remarks:

ZONAL FLUX DIAGRAM

ZONAL FLUX DIAGRAM:

γ	C0	C90	C180	C270					γ	Φ zone	Φ total	%lum, lamp
10	6541	6405	6512	6410					0- 10	616.0	616.0	4.82, 4.82
20	6608	6450	6560	6468					10- 20	1842	2458	19.2, 19.2
30	6538	6450	6607	6456					20- 30	3024	5482	42.9, 42.9
40	5550	5855	6123	5692					30- 40	3939	9421	73.7, 73.7
50	719.0	1346	1164	583.2					40- 50	2905	12326	96.4, 96.4
60	105.5	114.2	164.2	136.5					50- 60	222.6	12549	98.1, 98.1
70	73.30	80.37	120.4	93.78					60- 70	109.7	12658	99, 99
80	47.03	49.56	70.55	60.44					70- 80	77.88	12736	99.6, 99.6
90	33.28	33.79	43.22	41.33					80- 90	49.70	12786	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		

Conical surface Flux(90deg): 11317 lm

%lum = 88.5%

%lamp = 88.5%

Conical surface Flux(120deg): 12549 lm

%lum = 98.1%

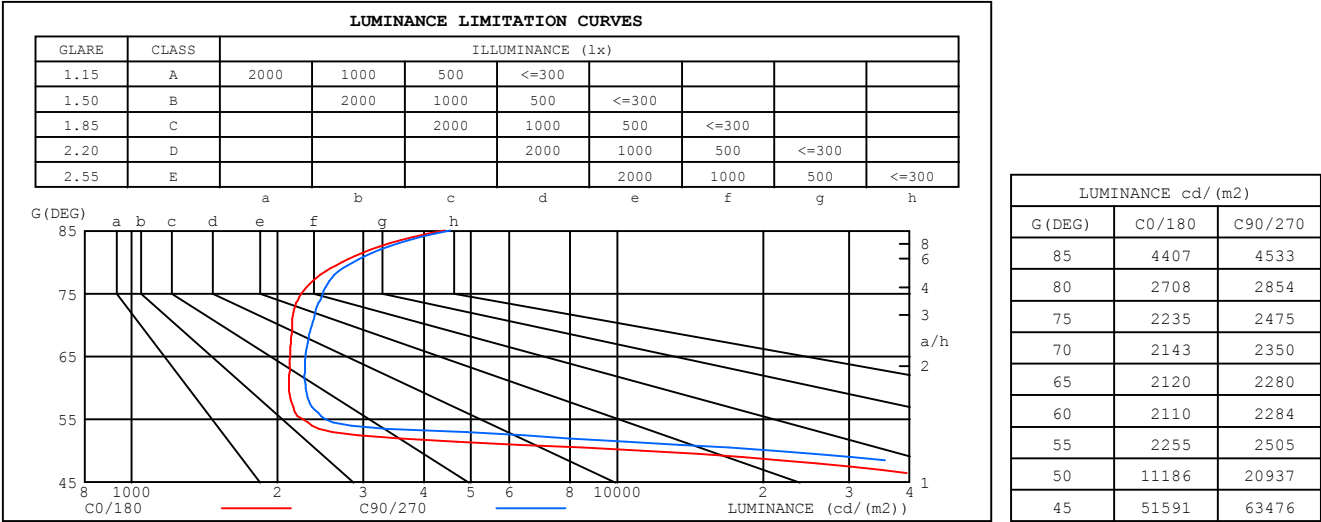
%lamp = 98.1%

C Range: 0 - 360DEG
C Interval: 90.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:YINQINYI
Test Date:2024-12-21

γ Range: 0 - 90DEG
 γ Interval: 0.5DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.411
Humidity:65.0%
Test Distance:7.430m [K=1.0000]
Remarks:

LUMINANCE LIMITATION CURVES

Test:U:119.90V I:1.3130A P:100.40W PF:0.6370 Freq:50.00Hz Lamp Flux:12785.9x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:	Shielding Angle:



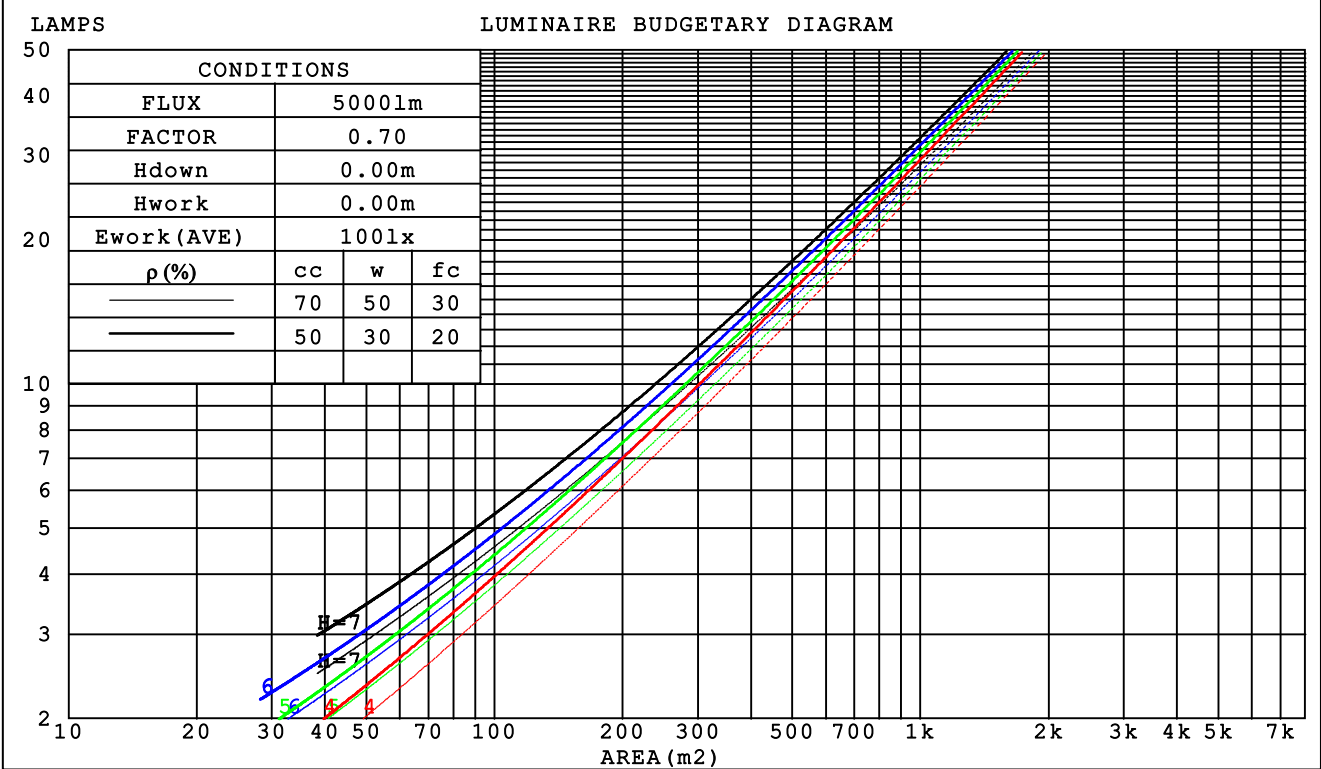
C Range: 0 - 360DEG
C Interval: 90.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:YINQINYI
Test Date:2024-12-21

γ Range: 0 - 90DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.411
Humidity:65.0%
Test Distance:7.430m [K=1.0000]
Remarks:

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:119.90V I:1.3130A P:100.40W PF:0.6370 Freq:50.00Hz Lamp Flux:12785.9x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:	Shielding Angle:

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															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	1.09	1.06	1.03	1.07	1.04	1.02	1.03	1.00	.98	.99	.97	.95	.95	.94	.93	.91														
2.0	.99	.94	.90	.98	.93	.89	.94	.90	.87	.91	.88	.85	.88	.86	.84	.82														
3.0	.91	.85	.80	.89	.84	.79	.86	.82	.78	.84	.80	.76	.81	.78	.75	.74														
4.0	.83	.76	.71	.82	.75	.70	.79	.74	.70	.77	.72	.69	.75	.71	.68	.66														
5.0	.76	.69	.63	.75	.68	.63	.73	.67	.62	.71	.66	.62	.69	.65	.61	.60														
6.0	.69	.62	.57	.69	.62	.57	.67	.61	.56	.65	.60	.56	.64	.59	.55	.54														
7.0	.64	.57	.51	.63	.56	.51	.62	.55	.51	.60	.55	.51	.59	.54	.50	.49														
8.0	.59	.52	.47	.58	.51	.47	.57	.51	.46	.56	.50	.46	.55	.50	.46	.44														
9.0	.54	.47	.42	.54	.47	.42	.53	.47	.42	.52	.46	.42	.51	.46	.42	.40														
10.0	.50	.43	.39	.50	.43	.39	.49	.43	.39	.48	.42	.38	.47	.42	.38	.37														



C Range: 0 - 360DEG
C Interval: 90.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:YINQINYI
Test Date:2024-12-21

γ Range: 0 - 90DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.411
Humidity:65.0%
Test Distance:7.430m [K=1.0000]
Remarks:

WEC AND CCEC

Test:U:119.90V I:1.3130A P:100.40W PF:0.6370 Freq:50.00Hz Lamp Flux:12785.9x1 lm					
NAME:		TYPE:		WEIGHT:	
SPEC.:		DIM.:		SERIAL No.:	
MFR.: EVERFINE		SUR.:		Shielding Angle:	

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															

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 Ceiling Cavity Exitance Coefficients(CCEC)															
0.0	.190	.190	.190	.163	.163	.163	.111	.111	.111	.064	.064	.064	.020	.020	.020	
1.0	.174	.157	.142	.149	.135	.122	.102	.093	.085	.058	.054	.049	.019	.017	.016	
2.0	.161	.132	.108	.138	.114	.094	.094	.079	.065	.054	.046	.038	.017	.015	.012	
3.0	.151	.114	.084	.129	.098	.073	.089	.068	.051	.051	.040	.030	.016	.013	.010	
4.0	.142	.100	.067	.122	.086	.058	.084	.060	.041	.048	.035	.024	.016	.011	.008	
5.0	.135	.089	.055	.116	.077	.047	.080	.054	.034	.046	.031	.020	.015	.010	.007	
6.0	.128	.080	.045	.110	.069	.039	.076	.048	.028	.044	.028	.017	.014	.009	.005	
7.0	.122	.073	.038	.105	.063	.033	.073	.044	.023	.042	.026	.014	.014	.009	.005	
8.0	.117	.067	.032	.101	.058	.028	.070	.041	.020	.040	.024	.012	.013	.008	.004	
9.0	.112	.062	.028	.096	.054	.025	.067	.038	.017	.039	.022	.010	.013	.007	.003	
10.0	.107	.058	.025	.092	.050	.022	.064	.035	.015	.037	.021	.009	.012	.007	.003	

C Range: 0 - 360DEG
 C Interval: 90.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:YINQINYI
 Test Date:2024-12-21

γ Range: 0 - 90DEG
 γ Interval: 0.5DEG
 Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.411
 Humidity:65.0%
 Test Distance:7.430m [K=1.0000]
 Remarks:

UGR(Unified Glare Rating) Table

Test:U:119.90V I:1.3130A P:100.40W PF:0.6370 Freq:50.00Hz Lamp Flux:12785.9x1 lm										
NAME:					TYPE:			WEIGHT:		
SPEC.:					DIM.:			SERIAL No.:		
MFR.: EVERFINE					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	22.6	23.8	22.8	24.0	24.2	23.0	24.2	23.3	24.4	24.6
3H	22.4	23.5	22.7	23.7	23.9	22.9	24.0	23.1	24.2	24.4
4H	22.3	23.4	22.6	23.6	23.8	22.8	23.8	23.1	24.0	24.3
6H	22.3	23.2	22.6	23.5	23.7	22.7	23.7	23.0	23.9	24.2
8H	22.2	23.1	22.6	23.4	23.7	22.7	23.6	23.0	23.9	24.1
12H	22.2	23.1	22.5	23.4	23.6	22.7	23.5	23.0	23.8	24.1
4H 2H	22.3	23.3	22.6	23.6	23.8	22.8	23.8	23.1	24.0	24.3
3H	22.2	23.0	22.5	23.3	23.6	22.6	23.5	22.9	23.8	24.0
4H	22.1	22.9	22.4	23.2	23.5	22.5	23.3	22.9	23.6	23.9
6H	22.0	22.7	22.4	23.1	23.4	22.5	23.2	22.9	23.5	23.9
8H	22.0	22.6	22.4	23.0	23.4	22.5	23.1	22.9	23.4	23.8
12H	22.0	22.6	22.4	23.0	23.4	22.4	23.0	22.9	23.4	23.8
8H 4H	22.0	22.6	22.4	23.0	23.3	22.4	23.0	22.8	23.4	23.8
6H	21.9	22.4	22.4	22.8	23.3	22.4	22.9	22.8	23.3	23.7
8H	21.9	22.4	22.4	22.8	23.2	22.4	22.8	22.8	23.2	23.7
12H	21.9	22.3	22.4	22.8	23.2	22.4	22.8	22.8	23.2	23.7
12H 4H	21.9	22.5	22.3	22.9	23.3	22.4	22.9	22.8	23.3	23.7
6H	21.9	22.3	22.3	22.8	23.2	22.3	22.8	22.8	23.2	23.7
8H	21.9	22.3	22.4	22.7	23.2	22.3	22.7	22.8	23.2	23.6
Variations with the observer position at spacings:										
S = 1.0H	+ 3.0 / -10.2					+ 3.0 / -10.1				
1.5H	+ 3.1 / -11.2					+ 2.6 / -11.6				
2.0H	+ 7.3 / - 7.7					+ 7.5 / - 8.8				

CIE Pub.117, 12786 lm Total Lamp Luminous Flux Corrected ($8\log(F/F_0) = 8.9$)
Area: 0.1 m²

C Range: 0 - 360DEG
C Interval: 90.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:YINQINYI
Test Date:2024-12-21

γ Range: 0 - 90DEG
 γ Interval: 0.5DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.411
Humidity:65.0%
Test Distance:7.430m [K=1.0000]
Remarks:

UTILIZATION FACTORS TABLE

Test:U:119.90V I:1.3130A P:100.40W PF:0.6370 Freq:50.00Hz Lamp Flux:12785.9x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:	Shielding Angle:

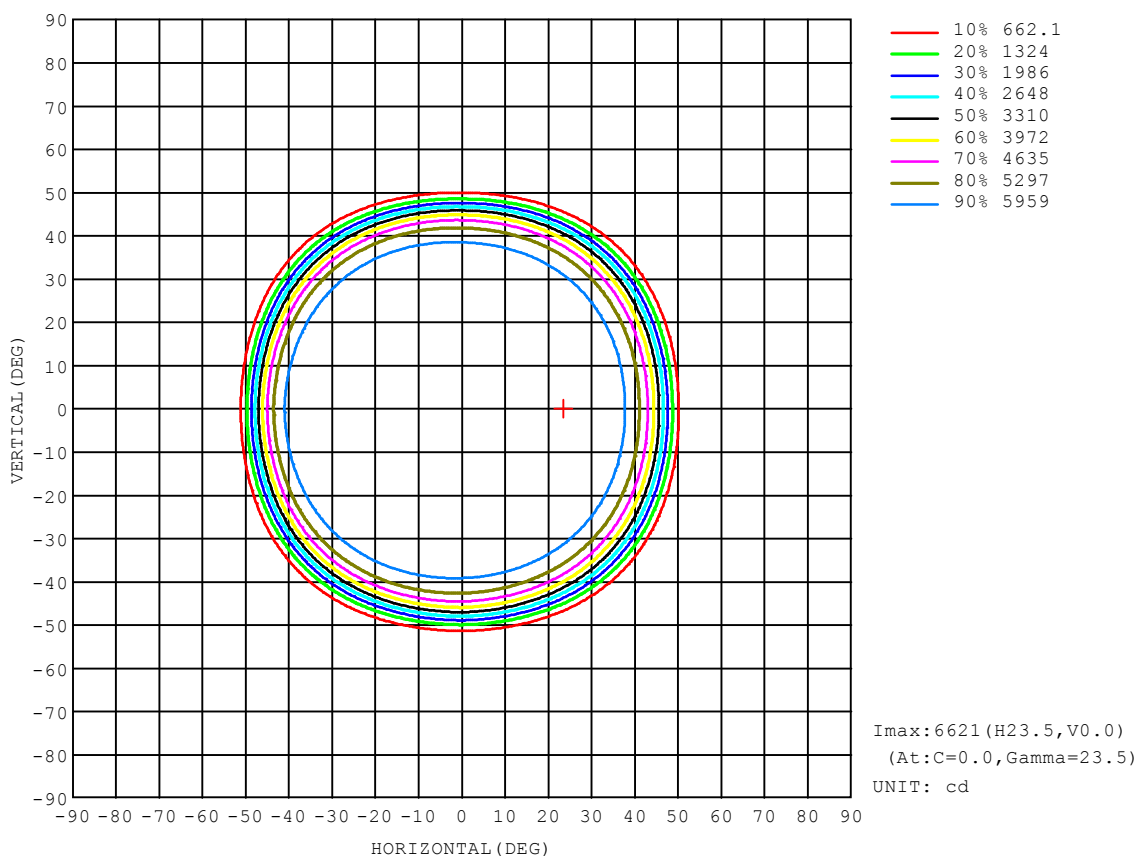
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS (PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	75	66	61	74	66	61	73	66	61	56
0.80	84	76	71	84	76	71	82	75	71	66
1.00	91	84	79	90	84	79	89	84	78	73
1.25	97	90	86	96	90	85	94	88	84	79
1.50	101	94	90	99	94	89	97	92	88	83
2.00	105	100	96	103	98	95	100	96	93	87
2.50	107	102	98	105	101	97	102	98	96	89
3.00	109	105	101	107	103	100	104	101	98	91
4.00	112	108	105	109	106	104	106	103	101	93
5.00	113	110	107	111	108	106	107	104	103	94
ROOM INDEX	UF (total)									Direct
According to DIN EN 13032-2 2004			Suspended					SHRNOM = 1.25		

C Range: 0 - 360DEG
 C Interval: 90.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators: YINQINYI
 Test Date: 2024-12-21

γ Range: 0 - 90DEG
 γ Interval: 0.5DEG
 Test System: EVERFINE GO-2000A_V1 SYSTEM V2.00.411
 Humidity: 65.0%
 Test Distance: 7.430m [K=1.0000]
 Remarks:

ISOCANDELA DIAGRAM

Test:U:119.90V I:1.3130A P:100.40W PF:0.6370 Freq:50.00Hz Lamp Flux:12785.9x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:	Shielding Angle:

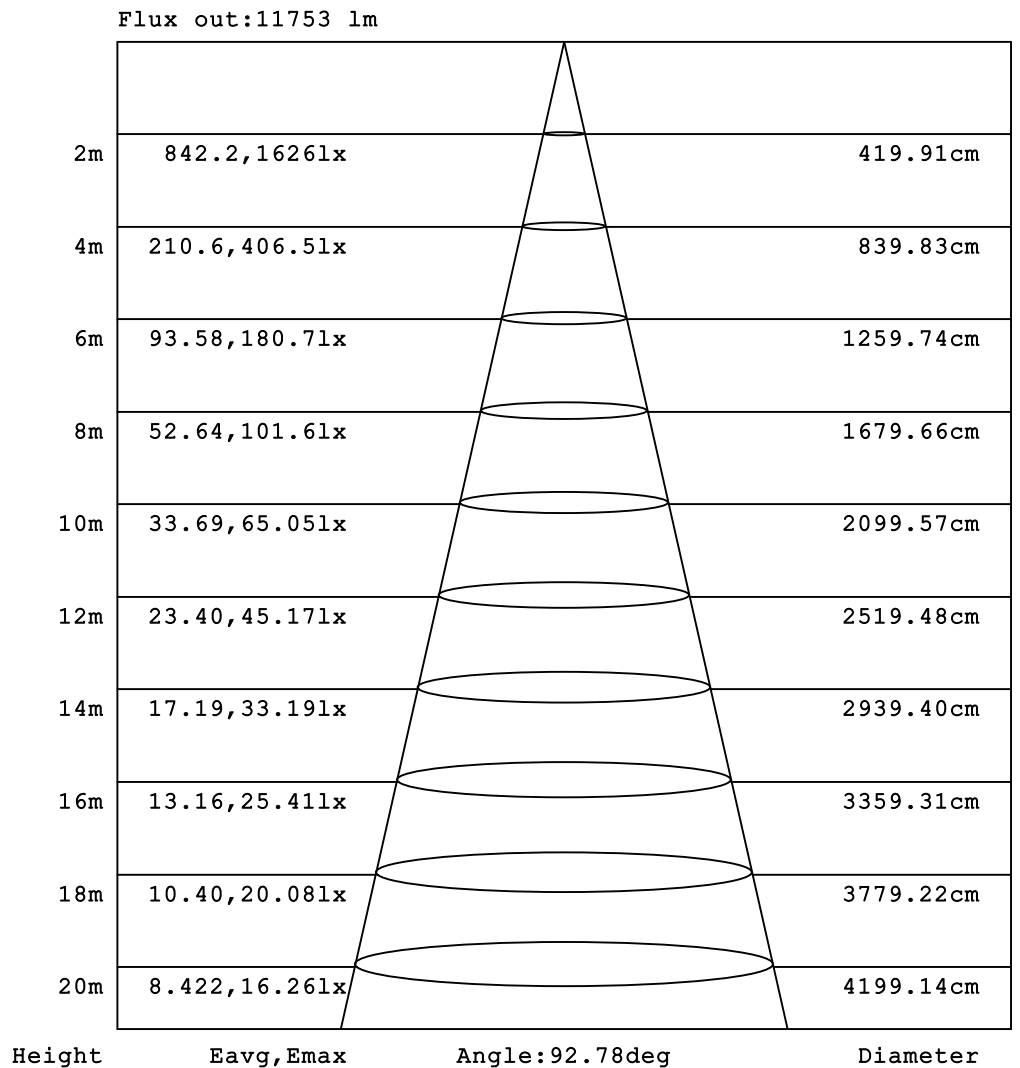


C Range: 0 - 360DEG
C Interval: 90.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:YINQINYI
Test Date:2024-12-21

γ Range: 0 - 90DEG
 γ Interval: 0.5DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.411
Humidity:65.0%
Test Distance:7.430m [K=1.0000]
Remarks:

AAI Figure

Test:U:119.90V I:1.3130A P:100.40W PF:0.6370 Freq:50.00Hz Lamp Flux:12785.9x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:	Shielding Angle:



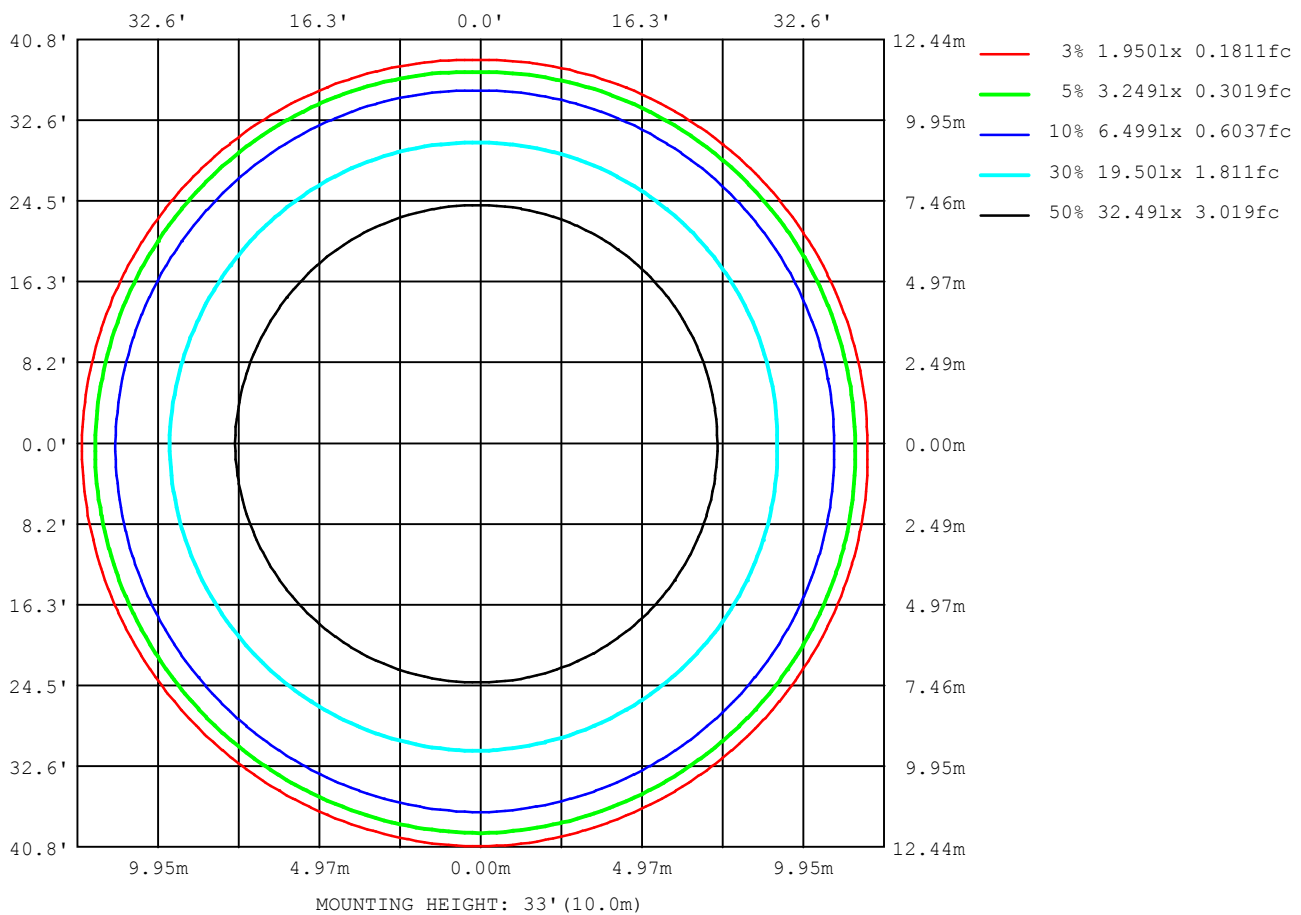
Note: The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
 C Interval: 90.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators: YINQINYI
 Test Date: 2024-12-21

γ Range: 0 - 90DEG
 γ Interval: 0.5DEG
 Test System: EVERFINE GO-2000A_V1 SYSTEM V2.00.411
 Humidity: 65.0%
 Test Distance: 7.430m [K=1.0000]
 Remarks:

ISOLUX DIAGRAM

Test:U:119.90V I:1.3130A P:100.40W PF:0.6370 Freq:50.00Hz Lamp Flux:12785.9x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:	Shielding Angle:



C Range: 0 - 360DEG
C Interval: 90.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: YINQINYI
Test Date: 2024-12-21

γ Range: 0 - 90DEG
 γ Interval: 0.5DEG
Test System: EVERFINE GO-2000A_V1 SYSTEM V2.00.411
Humidity: 65.0%
Test Distance: 7.430m [K=1.0000]
Remarks:

LED Avg.L Report

Test:U:119.90V I:1.3130A P:100.40W PF:0.6370 Freq:50.00Hz Lamp Flux:12785.9x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:	Shielding Angle:

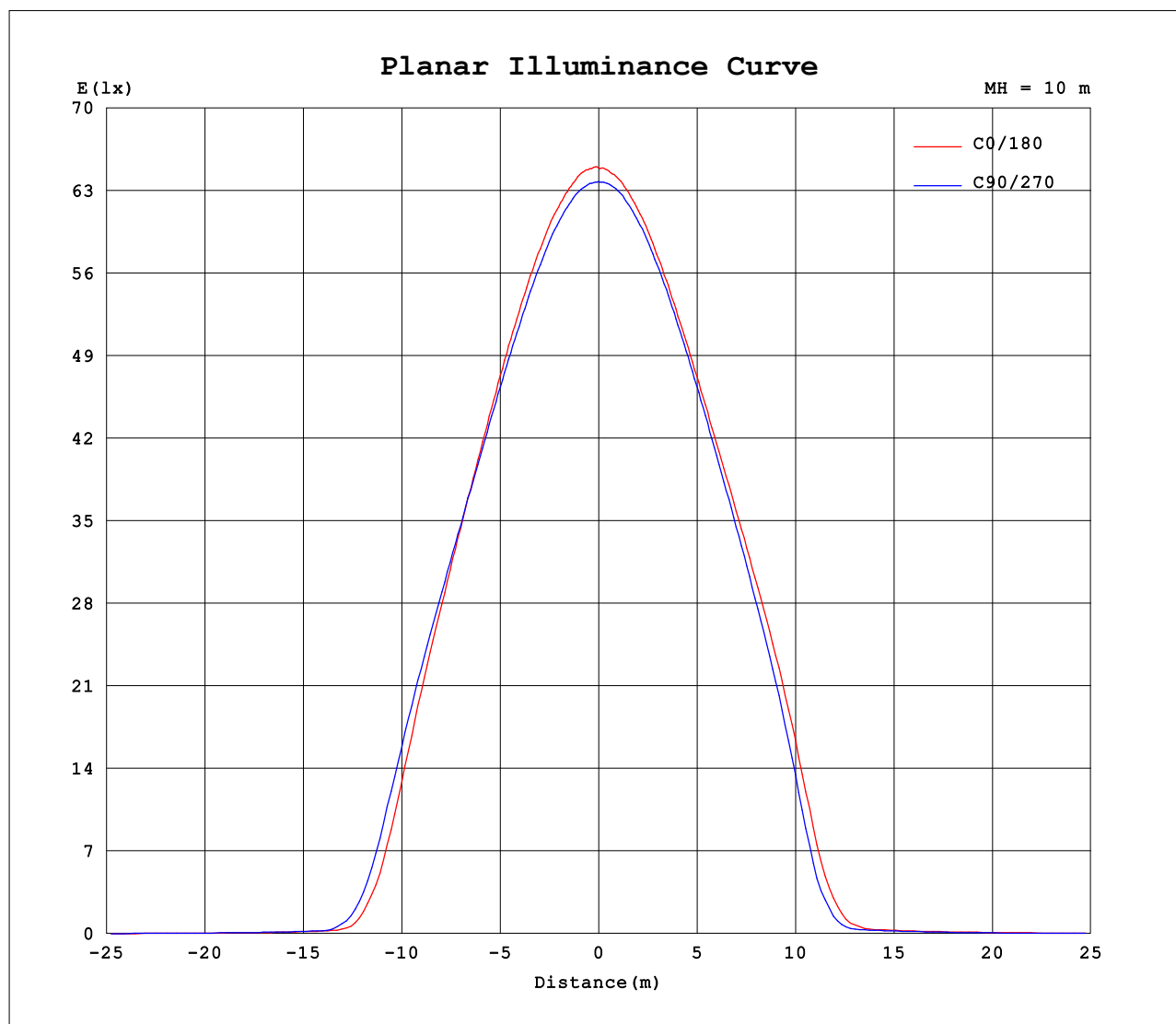
AvgL	cd/m2
L_0~180 (65) av	2745
L_0~180 (75) av	2970
L_0~180 (85) av	5172
L_90~270 (65) av	2491
L_90~270 (75) av	2706
L_90~270 (85) av	5014
L_45 (65) av	2625
L_45 (75) av	2851
L_45 (85) av	5121

Standard: GB/T 29293-2012

C Range: 0 - 360DEG
C Interval: 90.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:YINQINYI
Test Date:2024-12-21

γ Range: 0 - 90DEG
 γ Interval: 0.5DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.411
Humidity:65.0%
Test Distance:7.430m [K=1.0000]
Remarks:

Planar Illuminance Curve



C Range: 0 - 360DEG
C Interval: 90.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: YINQINYI
Test Date: 2024-12-21

γ Range: 0 - 90DEG
 γ Interval: 0.5DEG
Test System: EVERFINE GO-2000A_V1 SYSTEM V2.00.411
Humidity: 65.0%
Test Distance: 7.430m [K=1.0000]
Remarks:

```

γ Range: 0 - 90DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.411
Humidity:65.0%
Test Distance:7.430m [K=1.0000]
Remarks:

```