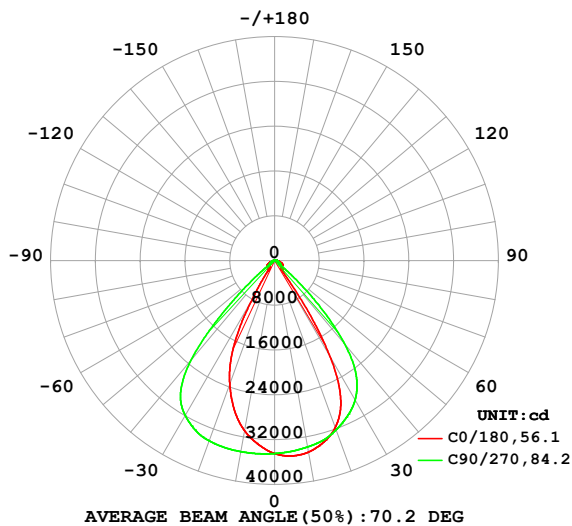


LUMINAIRE PHOTOMETRIC TEST REPORT

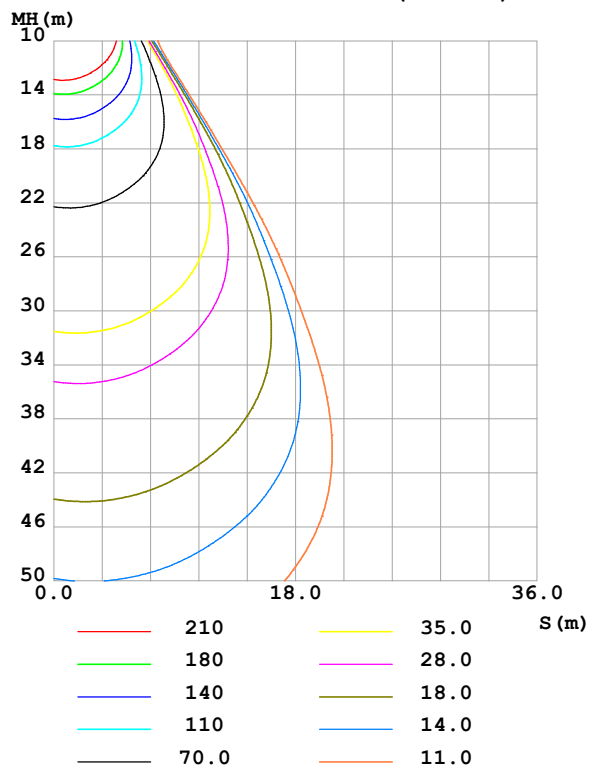
Test:U:120.18V I:1.0417A P:235.16W PF:0.9841 Freq:50.00Hz		
UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:39817x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 169.32 lm/W			
MODEL		Imax (cd)	35284	S/MH(C0/180)	0.76
NOMINAL POWER(W)	120	LOR(%)	100.0	S/MH(C90/270)	1.25
RATED VOLTAGE(V)	230	TOTAL FLUX(lm)	39817	η UP,DN(C0-180)	0.0,50.2
NOMINAL FLUX(lm)	39817	CIE CLASS	DIRECT	η UP,DN(C180-360)	0.0,49.8
LAMPS INSIDE	1	η up (%)	0.0	CIBSE SHR NOM	0.75
TEST VOLTAGE(V)	120	η down (%)	100.0	CIBSE SHR MAX	0.95

LUMINOUS INTENSITY DISTRIBUTION DIAGRAM



C0 PLANE ISOLUX DIAGRAM (UNIT:lx)



C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: MEDIUM
Temperature:25.3℃
Operators:YINQINYI
Test Date:2025-01-21

γ Range: 0 - 90DEG
 γ Interval: 0.1DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.488
Humidity:65.0%
Test Distance:8.290m [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	3476	3467	3382	3170	3089	3230	3466	3528	0- 10	3244	3244	8.15,8.15
20	3174	3266	3218	2645	2349	2764	3426	3397	10- 20	9063	12307	30.9,30.9
30	1995	2536	2879	1588	821.8	1717	3195	2785	20- 30	12302	24609	61.8,61.8
40	185.2	738.2	1957	277.2	169.1	207.3	2331	778.1	30- 40	8973	33583	84.3,84.3
50	143.9	143.5	308.4	121.3	147.3	127.1	367.0	156.4	40- 50	3507	37090	93.2,93.2
60	152.4	96.68	87.76	93.40	142.8	93.78	93.10	95.29	50- 60	1142	38232	96,96
70	92.06	66.23	57.36	62.36	73.59	61.25	59.99	63.73	60- 70	867.4	39100	98.2,98.2
80	41.68	31.46	31.14	27.24	28.95	26.39	30.76	30.46	70- 80	505.8	39606	99.5,99.5
90	12.85	13.60	14.24	12.57	10.25	10.89	12.99	12.19	80- 90	211.3	39817	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:X10cd									UNIT:lm		

Conical surface Flux(90deg): 35880 lm

%lum = 90.1%

%lamp = 90.1%

Conical surface Flux(130deg): 38707 lm

%lum = 97.2%

%lamp = 97.2%

C Range: 0 - 360DEG
 C Interval: 45.0DEG
 Test Speed: MEDIUM
 Temperature:25.3℃
 Operators:YINQINYI
 Test Date:2025-01-21

γ Range: 0 - 90DEG
 γ Interval: 0.1DEG
 Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.488
 Humidity:65.0%
 Test Distance:8.290m [K=1.0000]
 Remarks:

LUMINANCE LIMITATION CURVES

Test:U:120.18V I:1.0417A P:235.16W PF:0.9841 Freq:50.00Hz
UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:39817x1 lm

NAME:

TYPE:

WEIGHT:

SPEC.:

DIM.:

SERIAL No.:

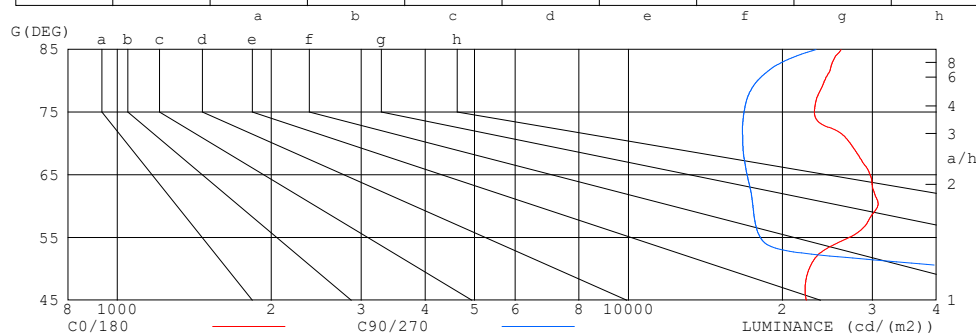
MFR.: EVERFINE

SUR.:

Shielding Angle:

LUMINANCE LIMITATION CURVES

GLARE	CLASS	ILLUMINANCE (lx)							
1.15	A	2000	1000	500	<=300				
1.50	B		2000	1000	500	<=300			
1.85	C			2000	1000	500	<=300		
2.20	D				2000	1000	500	<=300	
2.55	E					2000	1000	500	<=300



LUMINANCE cd/(m2)		
G (DEG)	C0/180	C90/270
85	26569	23751
80	24414	18033
75	23253	16932
70	27325	16818
65	29831	17132
60	30806	17574
55	26981	18178
50	22593	49548
45	22331	155398

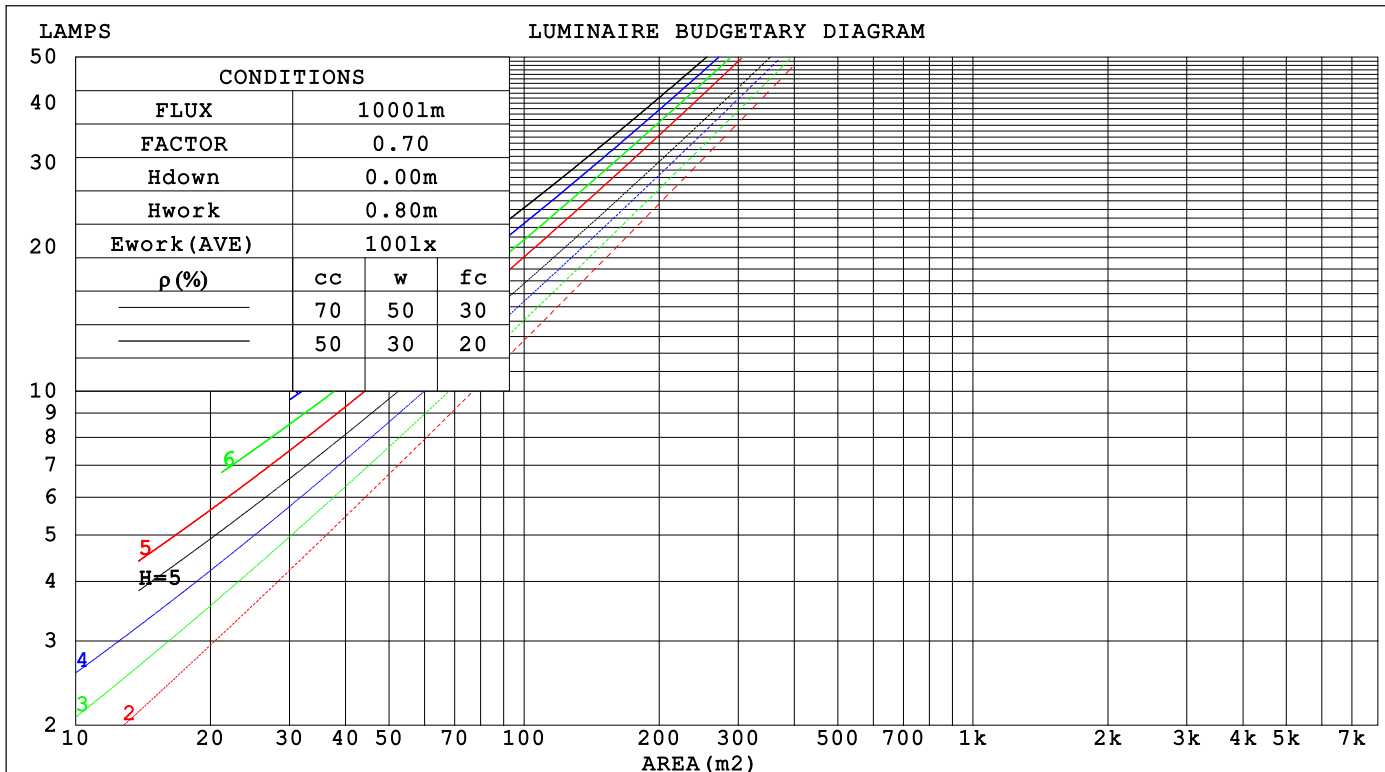
C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: MEDIUM
Temperature:25.3℃
Operators:YINQINYI
Test Date:2025-01-21

γ Range: 0 - 90DEG
γ Interval: 0.1DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.488
Humidity:65.0%
Test Distance:8.290m [K=1.0000]
Remarks:

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:120.18V I:1.0417A P:235.16W PF:0.9841 Freq:50.00Hz		
UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:39817x1 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	1.00
1.0	1.09	1.07	1.04	1.07	1.05	1.02	1.03	1.01	.99	.99	.98	.96	.96	.95	.93	.92
2.0	1.01	.96	.92	.99	.95	.91	.96	.92	.89	.93	.90	.87	.90	.87	.85	.84
3.0	.93	.87	.83	.91	.86	.82	.89	.84	.81	.86	.83	.80	.84	.81	.78	.77
4.0	.86	.80	.75	.85	.79	.75	.83	.78	.74	.81	.76	.73	.79	.75	.72	.70
5.0	.80	.73	.69	.79	.73	.68	.77	.72	.68	.75	.71	.67	.74	.70	.66	.65
6.0	.74	.68	.63	.73	.67	.63	.72	.66	.62	.70	.66	.62	.69	.65	.61	.60
7.0	.69	.63	.58	.69	.62	.58	.67	.62	.58	.66	.61	.57	.65	.60	.57	.56
8.0	.65	.58	.54	.64	.58	.54	.63	.58	.54	.62	.57	.53	.61	.57	.53	.52
9.0	.61	.55	.50	.60	.54	.50	.59	.54	.50	.59	.53	.50	.58	.53	.50	.48
10.0	.57	.51	.47	.57	.51	.47	.56	.50	.47	.55	.50	.47	.54	.50	.46	.45



C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: MEDIUM
Temperature:25.3℃
Operators:YINQINYI
Test Date:2025-01-21

γ Range: 0 - 90DEG
γ Interval: 0.1DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.488
Humidity:65.0%
Test Distance:8.290m [K=1.0000]
Remarks:

WEC AND CCEC

Test:U:120.18V I:1.0417A P:235.16W PF:0.9841 Freq:50.00Hz		
UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:39817x1 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						Wall Exitance Coefficients(WEC)										
0.0																	
1.0	.204	.116	.037	.197	.112	.036	.184	.106	.034	.172	.099	.032	.162	.094	.030		
2.0	.194	.106	.033	.188	.104	.032	.177	.099	.031	.167	.094	.029	.158	.089	.028		
3.0	.183	.098	.029	.178	.096	.029	.169	.092	.028	.161	.088	.027	.153	.084	.026		
4.0	.174	.090	.027	.169	.089	.026	.161	.085	.026	.154	.083	.025	.147	.080	.024		
5.0	.164	.084	.024	.161	.083	.024	.154	.080	.024	.147	.078	.023	.141	.075	.023		
6.0	.156	.078	.022	.153	.077	.022	.147	.075	.022	.141	.073	.021	.135	.071	.021		
7.0	.148	.073	.021	.146	.073	.021	.140	.071	.020	.135	.069	.020	.130	.067	.020		
8.0	.141	.069	.019	.139	.068	.019	.134	.067	.019	.129	.065	.019	.125	.064	.019		
9.0	.135	.065	.018	.133	.065	.018	.128	.063	.018	.124	.062	.018	.120	.061	.018		
10.0	.129	.062	.017	.127	.061	.017	.123	.060	.017	.119	.059	.017	.115	.058	.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	.190	.190	.190	.163	.163	.163	.111	.111	.111	.064	.064	.064	.020	.020	.020		
1.0	.173	.157	.143	.148	.135	.123	.101	.093	.085	.058	.054	.049	.019	.017	.016		
2.0	.159	.132	.110	.136	.114	.095	.093	.079	.066	.054	.046	.039	.017	.015	.013		
3.0	.148	.114	.087	.127	.098	.075	.087	.068	.053	.050	.040	.031	.016	.013	.010		
4.0	.138	.099	.070	.119	.086	.060	.082	.060	.043	.047	.035	.025	.015	.011	.008		
5.0	.130	.088	.057	.112	.076	.050	.077	.053	.035	.045	.031	.021	.014	.010	.007		
6.0	.123	.079	.047	.106	.068	.041	.073	.048	.029	.042	.028	.017	.014	.009	.006		
7.0	.116	.072	.040	.100	.062	.035	.069	.043	.025	.040	.026	.015	.013	.008	.005		
8.0	.111	.065	.034	.095	.057	.030	.066	.040	.021	.038	.024	.013	.012	.008	.004		
9.0	.106	.060	.030	.091	.052	.026	.063	.037	.018	.037	.022	.011	.012	.007	.004		
10.0	.101	.056	.026	.087	.049	.023	.060	.034	.016	.035	.020	.010	.011	.007	.003		

C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: MEDIUM
Temperature:25.3℃
Operators:YINQINYI
Test Date:2025-01-21

γ Range: 0 - 90DEG
γ Interval: 0.1DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.488
Humidity:65.0%
Test Distance:8.290m [K=1.0000]
Remarks:

UGR(Unified Glare Rating) Table

Test:U:120.18V I:1.0417A P:235.16W PF:0.9841 Freq:50.00Hz UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:39817x1 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	9.8	10.9	10.1	11.1	11.2	13.6	14.7	13.8	14.8	15.0
3H	10.6	11.6	10.9	11.8	12.0	13.6	14.6	13.8	14.8	15.0
4H	11.0	11.9	11.3	12.1	12.4	13.6	14.5	13.9	14.8	15.0
6H	11.3	12.2	11.6	12.4	12.7	13.6	14.5	13.9	14.7	15.0
8H	11.5	12.3	11.8	12.5	12.8	13.6	14.5	14.0	14.7	15.0
12H	11.6	12.4	11.9	12.7	12.9	13.7	14.5	14.0	14.7	15.0
4H 2H	9.8	10.8	10.1	11.0	11.2	13.4	14.3	13.7	14.6	14.8
3H	10.9	11.7	11.2	11.9	12.2	13.5	14.3	13.8	14.6	14.8
4H	11.3	12.1	11.7	12.4	12.7	13.6	14.3	13.9	14.6	14.9
6H	11.8	12.5	12.2	12.8	13.2	13.7	14.3	14.1	14.7	15.0
8H	12.1	12.6	12.5	13.0	13.4	13.7	14.3	14.1	14.7	15.1
12H	12.3	12.8	12.7	13.2	13.6	13.8	14.3	14.2	14.7	15.1
8H 4H	11.4	12.0	11.8	12.4	12.8	13.6	14.2	14.0	14.5	14.9
6H	12.0	12.5	12.5	12.9	13.3	13.7	14.2	14.2	14.6	15.0
8H	12.4	12.8	12.8	13.2	13.7	13.8	14.3	14.3	14.7	15.1
12H	12.7	13.0	13.1	13.5	14.0	14.0	14.3	14.4	14.8	15.3
12H 4H	11.4	12.0	11.8	12.3	12.7	13.5	14.1	13.9	14.5	14.8
6H	12.1	12.5	12.5	12.9	13.4	13.7	14.2	14.2	14.6	15.0
8H	12.4	12.8	12.9	13.2	13.7	13.9	14.2	14.3	14.7	15.1
Variations with the observer position at spacings(CIE Pub.117):										
S = 1.0H	+ 0.6 / - 0.5					+ 3.3 / - 4.2				
1.5H	+ 1.2 / - 0.5					+ 5.0 / - 4.7				
2.0H	+ 0.5 / - 0.5					+ 6.7 / - 2.3				

CIE Pub.117, 39817 lm Total Lamp Luminous Flux Correct (8log(F/F0) = 12.8)
Area: 0.1 m2

C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: MEDIUM
Temperature:25.3℃
Operators:YINQINYI
Test Date:2025-01-21

γ Range: 0 - 90DEG
γ Interval: 0.1DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.488
Humidity:65.0%
Test Distance:8.290m [K=1.0000]
Remarks:

UTILIZATION FACTORS TABLE

Test:U:120.18V I:1.0417A P:235.16W PF:0.9841 Freq:50.00Hz		
UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:39817x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:	Shielding Angle:

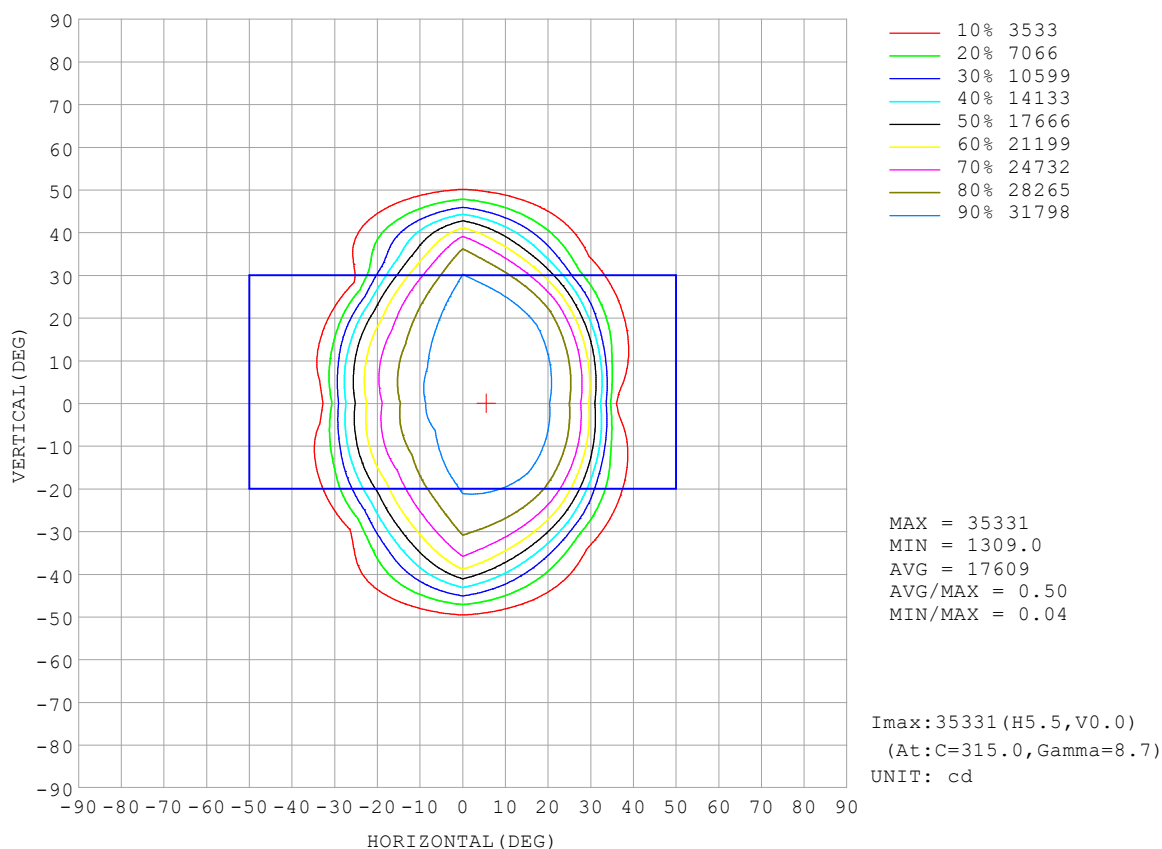
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS (PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	82	75	70	81	74	70	80	74	70	66
0.80	90	83	79	89	83	78	88	82	78	74
1.00	95	89	84	94	88	84	93	88	84	79
1.25	100	94	90	99	93	89	97	92	88	84
1.50	103	97	93	102	96	93	99	95	92	87
2.00	106	101	98	105	100	97	102	98	95	90
2.50	108	104	100	107	103	99	103	100	97	91
3.00	110	106	103	108	105	102	105	102	100	93
4.00	112	109	107	110	108	105	107	104	102	95
5.00	114	111	109	112	109	107	108	106	104	96
ROOM INDEX	UF (total)									Direct
According to DIN EN 13032-2 2004			Suspended					SHRNOM = 1.25		

C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: MEDIUM
Temperature: 25.3°C
Operators: YINQINYI
Test Date: 2025-01-21

γ Range: 0 - 90DEG
 γ Interval: 0.1DEG
Test System: EVERFINE GO-2000A_V1 SYSTEM V2.00.488
Humidity: 65.0%
Test Distance: 8.290m [K=1.0000]
Remarks:

ISOCANDELA DIAGRAM

Test:U:120.18V I:1.0417A P:235.16W PF:0.9841 Freq:50.00Hz UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:39817x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:	Shielding Angle:

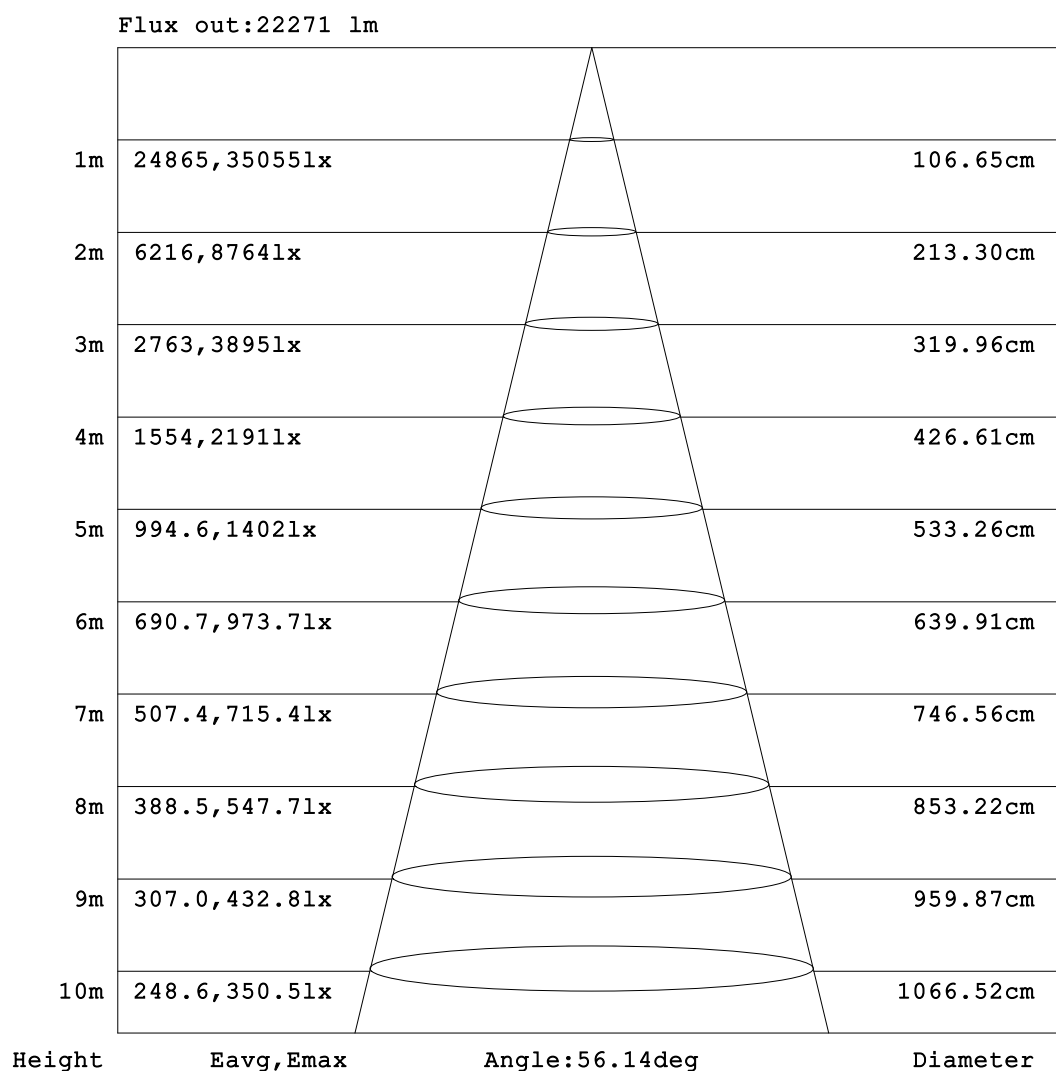


C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: MEDIUM
Temperature:25.3℃
Operators:YINQINYI
Test Date:2025-01-21

γ Range: 0 - 90DEG
γ Interval: 0.1DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.488
Humidity:65.0%
Test Distance:8.290m [K=1.0000]
Remarks:

AAI Figure

Test:U:120.18V I:1.0417A P:235.16W PF:0.9841 Freq:50.00Hz UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:39817x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:	Shielding Angle:



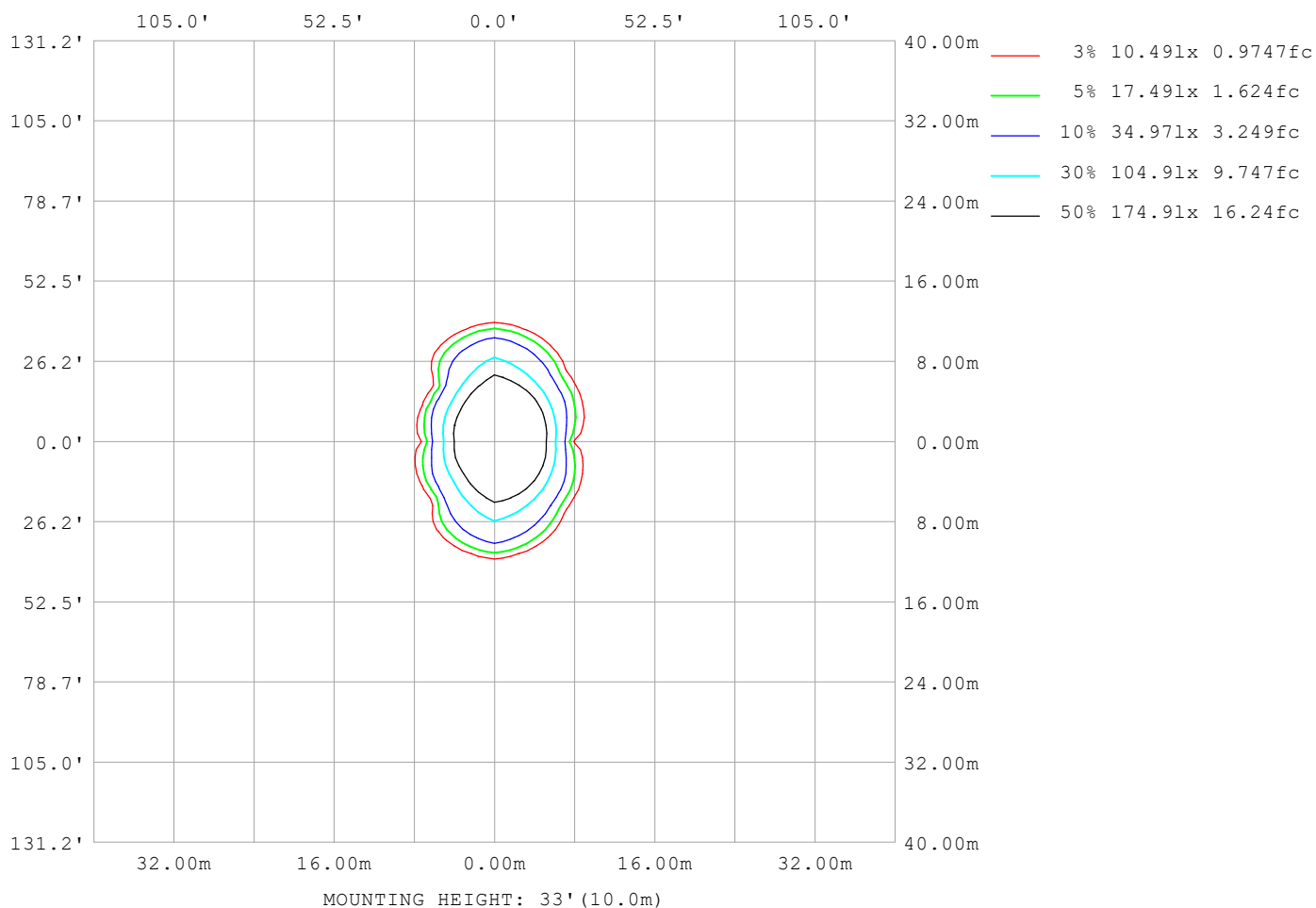
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
 C Interval: 45.0DEG
 Test Speed: MEDIUM
 Temperature:25.3℃
 Operators:YINQINYI
 Test Date:2025-01-21

γ Range: 0 - 90DEG
 γ Interval: 0.1DEG
 Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.488
 Humidity:65.0%
 Test Distance:8.290m [K=1.0000]
 Remarks:

ISOLUX DIAGRAM

Test:U:120.18V I:1.0417A P:235.16W PF:0.9841 Freq:50.00Hz UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:39817x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:	Shielding Angle:



C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: MEDIUM
Temperature:25.3℃
Operators:YINQINYI
Test Date:2025-01-21

γ Range: 0 - 90DEG
γ Interval: 0.1DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.488
Humidity:65.0%
Test Distance:8.290m [K=1.0000]
Remarks:

LED Avg.L Report

Test:U:120.18V I:1.0417A P:235.16W PF:0.9841 Freq:50.00Hz UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:39817x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:	Shielding Angle:

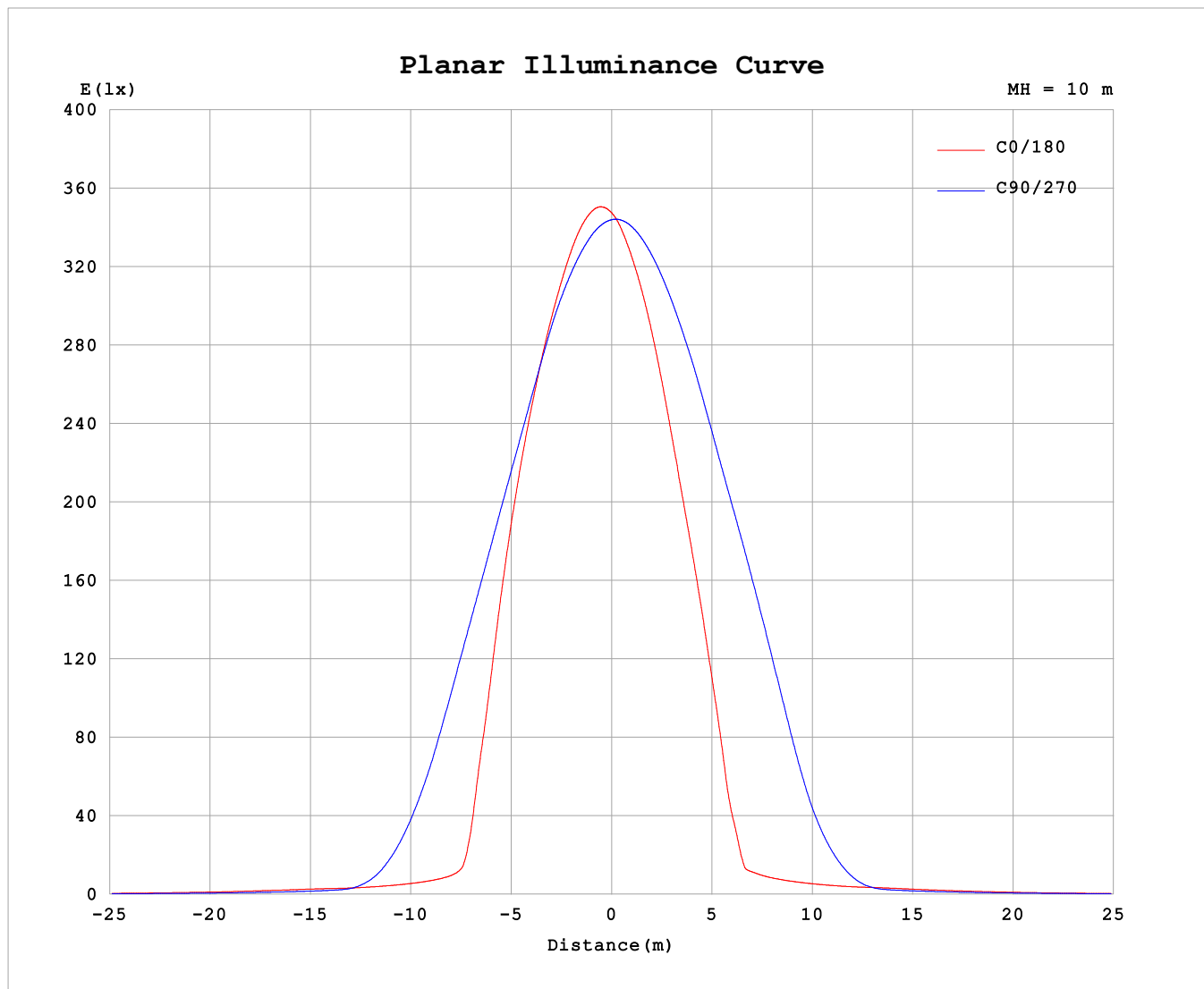
AvgL	cd/m2
L_0~180 (65) av	27840
L_0~180 (75) av	20176
L_0~180 (85) av	20179
L_90~270 (65) av	17594
L_90~270 (75) av	17084
L_90~270 (85) av	23020
L_45 (65) av	18811
L_45 (75) av	18085
L_45 (85) av	20286

Standard: GB/T 29293-2012

C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: MEDIUM
Temperature:25.3℃
Operators:YINQINYI
Test Date:2025-01-21

γ Range: 0 - 90DEG
γ Interval: 0.1DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.488
Humidity:65.0%
Test Distance:8.290m [K=1.0000]
Remarks:

Planar Illuminance Curve



C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: MEDIUM
Temperature: 25.3 °C
Operators: YINQINYI
Test Date: 2025-01-21

γ Range: 0 - 90DEG
 γ Interval: 0.1DEG
Test System: EVERFINE GO-2000A_V1 SYSTEM V2.00.488
Humidity: 65.0%
Test Distance: 8.290m [K=1.0000]
Remarks:

Test: U:120.18V I:1.0417A P:235.16W PF:0.9841 Freq:50.00Hz UTHDi: 0.00% ITHDi: 0.00% KDisp: 0 Lamp Flux: 39817x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:	Shielding Angle:

UNIT: X10cd

[illegible]

```

γ Range: 0 - 90DEG
γ Interval: 0.1DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.488
Humidity:65.0%
Test Distance:8.290m [K=1.0000]
Remarks:

```