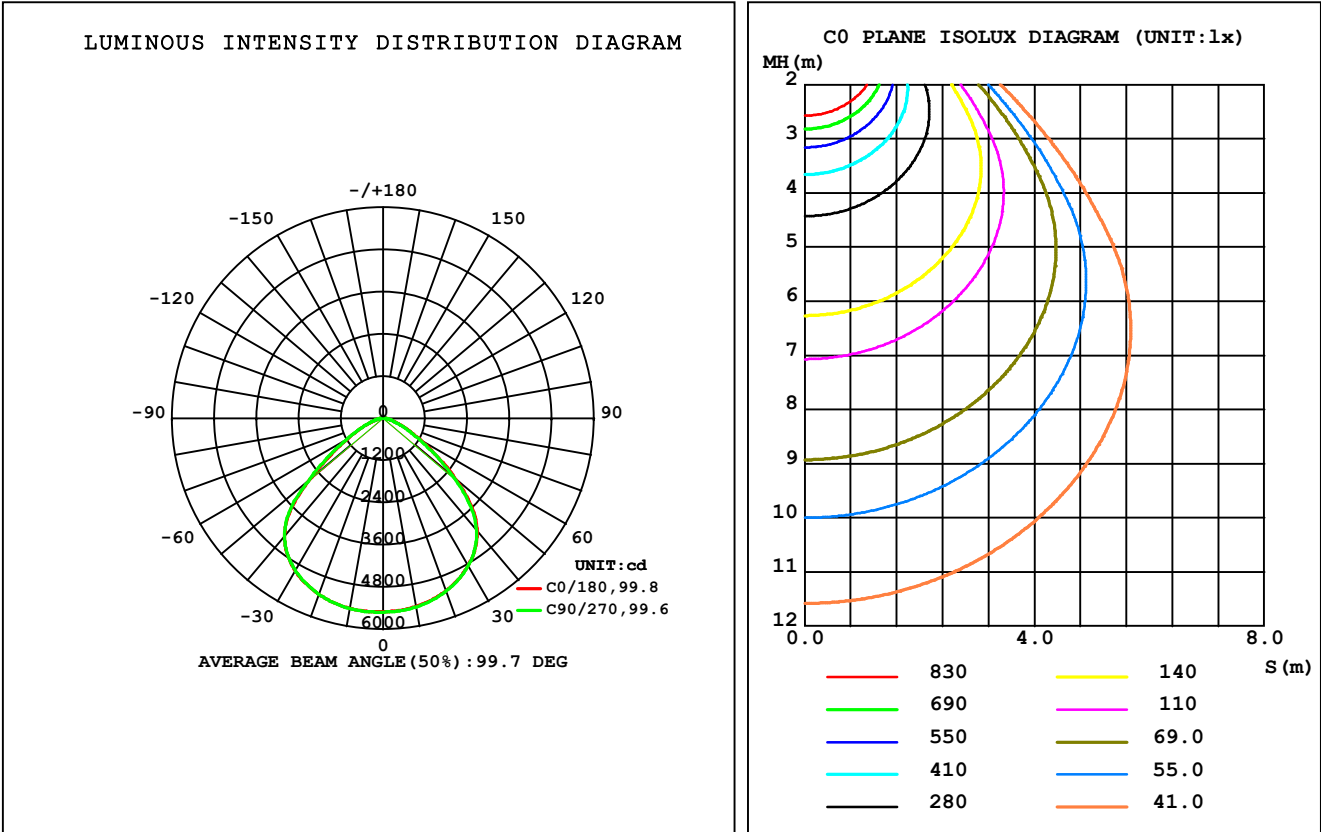


LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:119.80V I:0.6350A P:75.200W PF:0.9880 Freq:50.00Hz Lamp Flux:12878.8x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA				Eff: 171.26 lm/W
MODEL		I _{max} (cd)	5517	S/MH (C0/180)	1.35	
NOMINAL POWER (W)	75	LOR (%)	100.0	S/MH (C90/270)	1.34	
RATED VOLTAGE (V)	120	TOTAL FLUX (lm)	12879	η UP, DN (C0-180)	0.0, 49.3	
NOMINAL FLUX (lm)	12878.8	CIE CLASS	DIRECT	η UP, DN (C180-360)	0.0, 50.7	
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: 2024-12-20

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	5434	5448	5490	5494					0- 10	524.1	524.1	4.07, 4.07
20	5225	5236	5333	5332					10- 20	1524	2048	15.9, 15.9
30	4844	4847	5006	5000					20- 30	2365	4413	34.3, 34.3
40	4165	4136	4364	4364					30- 40	2900	7313	56.8, 56.8
50	2725	2646	2744	2801					40- 50	2770	10083	78.3, 78.3
60	1224	1157	1166	1209					50- 60	1678	11761	91.3, 91.3
70	467.4	440.5	436.3	461.3					60- 70	759.2	12520	97.2, 97.2
80	143.1	129.1	130.4	144.9					70- 80	287.0	12807	99.4, 99.4
90	33.80	33.75	47.71	47.91					80- 90	71.56	12879	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): 8786 lm

%lum = 68.2%

%lamp = 68.2%

Conical surface Flux(120deg): 11761 lm

%lum = 91.3%

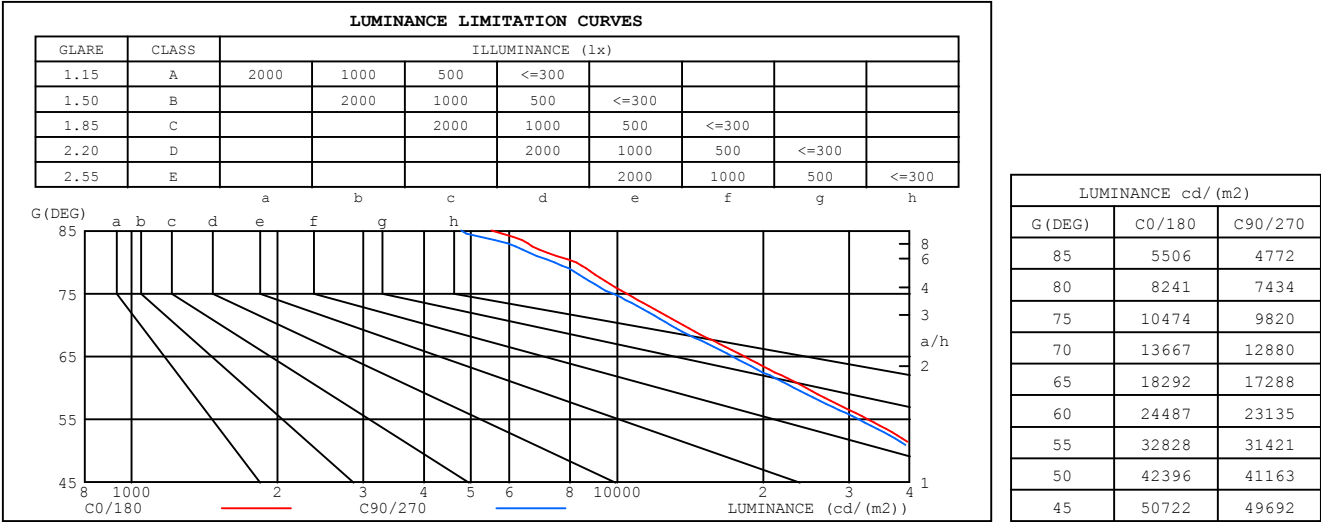
%lamp = 91.3%

C Range: 0 - 360DEG
C Interval: 90.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:YINQINYI
Test Date:2024-12-20

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:119.80V I:0.6350A P:75.200W PF:0.9880 Freq:50.00Hz Lamp Flux:12878.8x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:	Shielding Angle:



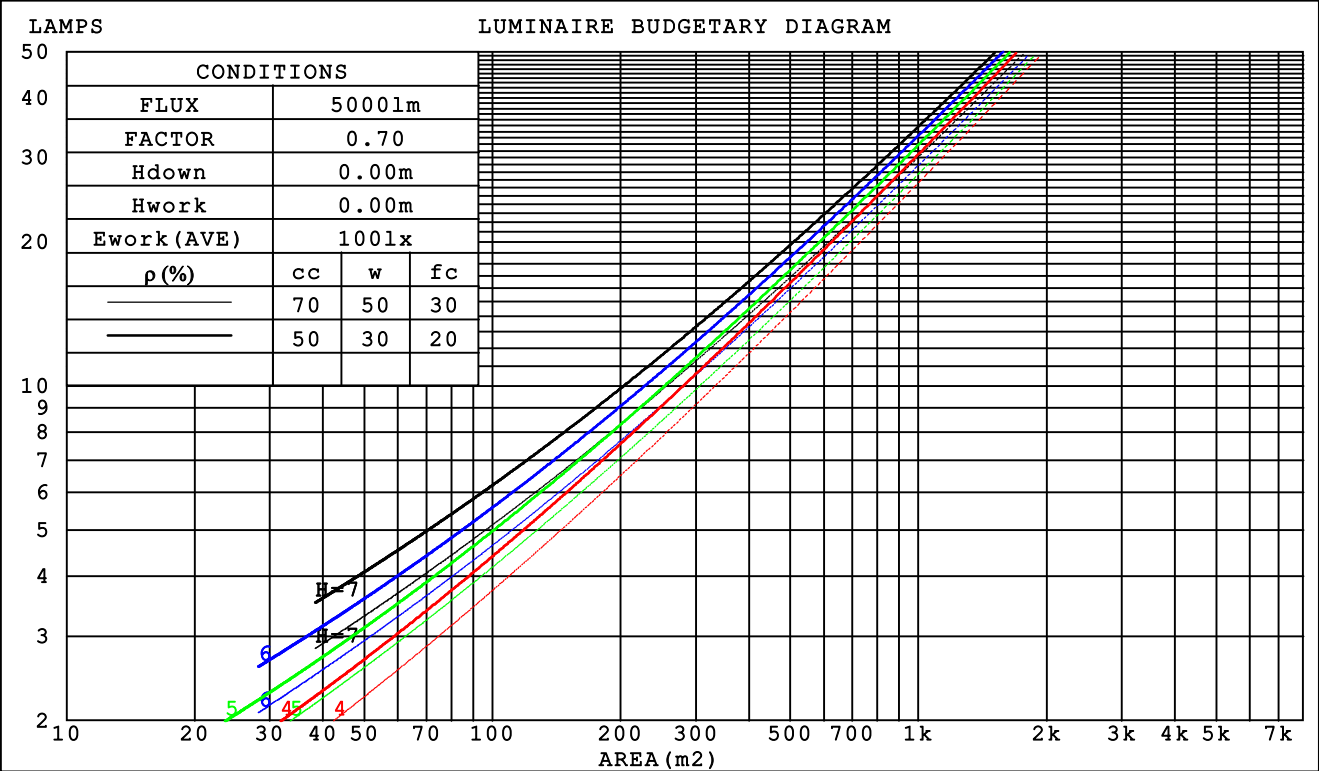
C Range: 0 - 360DEG
C Interval: 90.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:YINQINYI
Test Date:2024-12-20

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:119.80V I:0.6350A P:75.200W PF:0.9880 Freq:50.00Hz Lamp Flux:12878.8x1 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	1.07	1.03	1.00	1.05	1.02	.99	1.01	.98	.96	.97	.95	.93	.93	.92	.90	.88														
2.0	.95	.90	.85	.94	.88	.84	.90	.86	.82	.87	.83	.80	.84	.81	.78	.76														
3.0	.85	.78	.73	.84	.77	.72	.81	.75	.71	.78	.74	.70	.76	.72	.68	.67														
4.0	.77	.69	.63	.75	.68	.63	.73	.67	.62	.71	.65	.61	.69	.64	.60	.58														
5.0	.69	.61	.55	.68	.61	.55	.66	.59	.54	.64	.58	.54	.62	.57	.53	.51														
6.0	.63	.55	.49	.62	.54	.49	.60	.53	.48	.58	.52	.48	.57	.52	.47	.45														
7.0	.57	.49	.43	.56	.49	.43	.55	.48	.43	.54	.47	.43	.52	.47	.42	.41														
8.0	.52	.44	.39	.52	.44	.39	.50	.44	.39	.49	.43	.38	.48	.42	.38	.36														
9.0	.48	.40	.35	.48	.40	.35	.46	.40	.35	.45	.39	.35	.44	.39	.35	.33														
10.0	.45	.37	.32	.44	.37	.32	.43	.36	.32	.42	.36	.32	.41	.36	.32	.30														



C Range: 0 - 360DEG
C Interval: 90.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:YINQINYI
Test Date:2024-12-20

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:119.80V I:0.6350A P:75.200W PF:0.9880 Freq:50.00Hz Lamp Flux:12878.8x1 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						Wall Exitance Coefficients (WEC)									
0.0																
1.0	.251	.143	.045	.244	.139	.044	.231	.133	.042	.219	.127	.041	.208	.121	.039	
2.0	.244	.134	.041	.238	.131	.040	.226	.126	.039	.216	.121	.038	.207	.117	.037	
3.0	.232	.123	.037	.226	.121	.036	.216	.117	.036	.207	.114	.035	.199	.110	.034	
4.0	.218	.113	.033	.214	.112	.033	.205	.109	.032	.197	.106	.032	.189	.103	.031	
5.0	.206	.105	.030	.201	.103	.030	.194	.101	.030	.186	.098	.029	.180	.096	.029	
6.0	.193	.097	.028	.190	.096	.028	.183	.094	.027	.176	.092	.027	.170	.090	.027	
7.0	.182	.090	.026	.179	.089	.025	.173	.087	.025	.167	.086	.025	.162	.084	.025	
8.0	.172	.084	.024	.169	.083	.024	.164	.082	.023	.158	.080	.023	.153	.079	.023	
9.0	.163	.079	.022	.160	.078	.022	.155	.077	.022	.150	.075	.022	.146	.074	.021	
10.0	.154	.074	.020	.152	.073	.020	.147	.072	.020	.143	.071	.020	.139	.070	.020	

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	.176	.157	.139	.151	.134	.120	.103	.092	.083	.059	.054	.048	.019	.017	.016	
2.0	.166	.132	.104	.142	.114	.090	.097	.079	.063	.056	.046	.037	.018	.015	.012	
3.0	.157	.114	.080	.135	.098	.069	.092	.068	.048	.053	.040	.029	.017	.013	.009	
4.0	.149	.100	.063	.128	.087	.055	.088	.060	.038	.051	.035	.023	.016	.012	.007	
5.0	.142	.090	.051	.122	.078	.044	.084	.054	.031	.049	.032	.019	.016	.010	.006	
6.0	.135	.081	.042	.116	.070	.037	.080	.049	.026	.047	.029	.015	.015	.009	.005	
7.0	.129	.074	.035	.111	.064	.031	.077	.045	.022	.045	.027	.013	.014	.009	.004	
8.0	.123	.068	.030	.106	.059	.027	.073	.042	.019	.043	.025	.011	.014	.008	.004	
9.0	.118	.063	.027	.101	.055	.023	.070	.039	.016	.041	.023	.010	.013	.007	.003	
10.0	.113	.059	.023	.097	.051	.020	.067	.036	.015	.039	.021	.009	.013	.007	.003	

C Range: 0 - 360DEG
 C Interval: 90.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators: YINQINYI
 Test Date: 2024-12-20

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:119.80V I:0.6350A P:75.200W PF:0.9880 Freq:50.00Hz Lamp Flux:12878.8x1 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		24.6	25.9	24.8	26.1	26.3	24.4	25.8	24.7	26.0	26.2
	3H	24.9	26.1	25.1	26.3	26.6	24.7	26.0	25.0	26.2	26.4
	4H	24.9	26.1	25.2	26.3	26.6	24.8	25.9	25.1	26.2	26.4
	6H	24.9	26.0	25.3	26.3	26.6	24.8	25.9	25.1	26.1	26.4
	8H	24.9	26.0	25.2	26.2	26.5	24.7	25.8	25.1	26.1	26.4
	12H	24.9	25.9	25.2	26.2	26.5	24.7	25.7	25.1	26.0	26.3
4H	2H	24.7	25.8	25.0	26.1	26.3	24.6	25.7	24.9	26.0	26.2
	3H	25.1	26.1	25.4	26.4	26.7	24.9	26.0	25.3	26.3	26.5
	4H	25.2	26.1	25.6	26.4	26.8	25.1	26.0	25.4	26.3	26.6
	6H	25.3	26.1	25.7	26.4	26.8	25.1	25.9	25.5	26.3	26.6
	8H	25.3	26.0	25.7	26.4	26.8	25.1	25.9	25.5	26.2	26.6
	12H	25.3	25.9	25.7	26.3	26.7	25.1	25.8	25.5	26.2	26.6
8H	4H	25.2	25.9	25.6	26.3	26.7	25.0	25.8	25.5	26.2	26.5
	6H	25.3	25.9	25.7	26.3	26.7	25.2	25.8	25.6	26.2	26.6
	8H	25.3	25.9	25.8	26.3	26.7	25.2	25.7	25.6	26.1	26.6
	12H	25.3	25.8	25.8	26.2	26.7	25.2	25.6	25.6	26.1	26.6
12H	4H	25.2	25.8	25.6	26.2	26.6	25.0	25.7	25.4	26.1	26.5
	6H	25.3	25.8	25.7	26.2	26.7	25.1	25.7	25.6	26.1	26.5
	8H	25.3	25.8	25.8	26.2	26.7	25.2	25.6	25.6	26.1	26.5
Variations with the observer position at spacings:											
S = 1.0H		+ 0.8 / - 0.9					+ 0.9 / - 1.0				
1.5H		+ 0.5 / - 0.5					+ 0.5 / - 0.5				
2.0H		+ 1.9 / - 2.0					+ 1.9 / - 2.0				

CIE Pub.117, 12879 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:2024-12-20

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:119.80V I:0.6350A P:75.200W PF:0.9880 Freq:50.00Hz Lamp Flux:12878.8x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:	Shielding Angle:

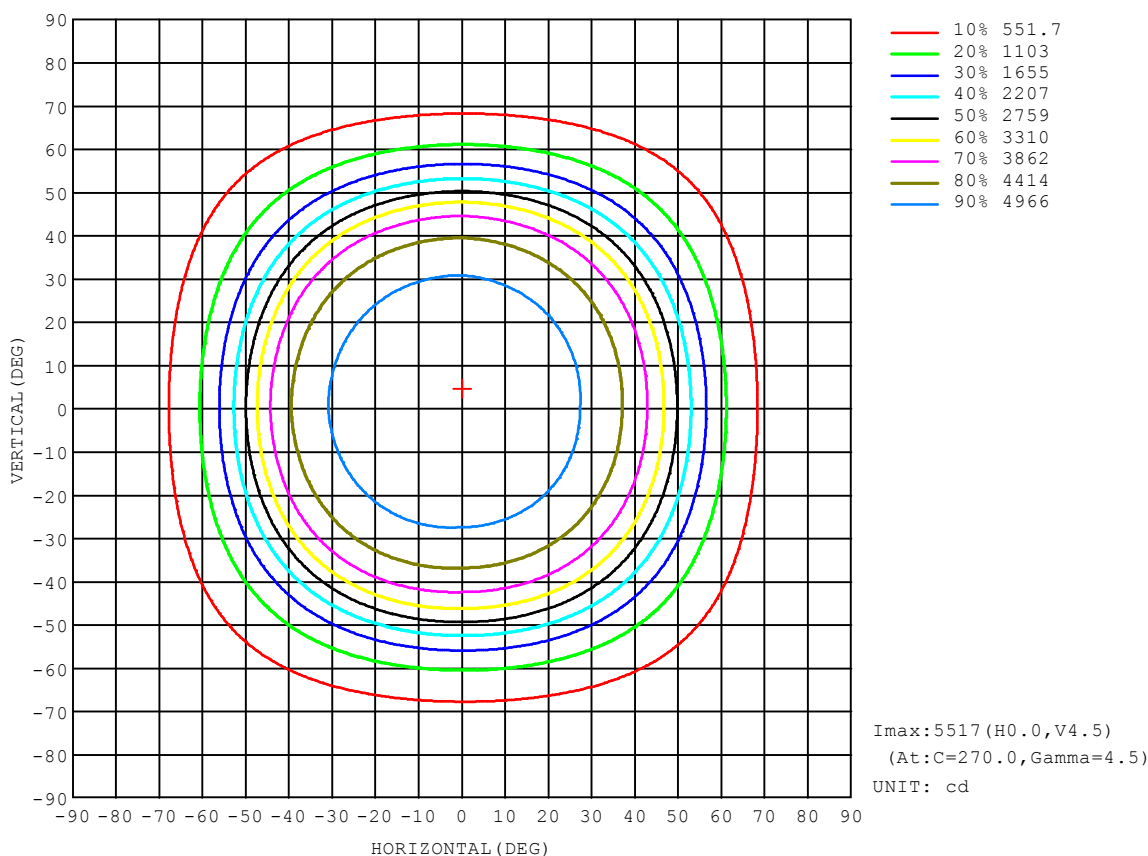
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS (PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	64	54	47	63	53	47	62	53	47	41
0.80	75	64	58	74	64	58	72	63	57	51
1.00	83	74	67	82	73	67	80	74	67	60
1.25	90	81	75	88	80	75	86	79	74	68
1.50	94	86	81	93	85	80	90	84	79	72
2.00	100	93	88	99	92	87	95	90	86	79
2.50	103	97	92	101	96	91	98	93	89	82
3.00	106	100	96	104	99	95	100	96	93	85
4.00	109	104	101	107	103	99	103	99	97	88
5.00	111	107	104	109	105	102	104	101	99	90
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: 2024-12-20

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:119.80V I:0.6350A P:75.200W PF:0.9880 Freq:50.00Hz Lamp Flux:12878.8x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:	Shielding Angle:

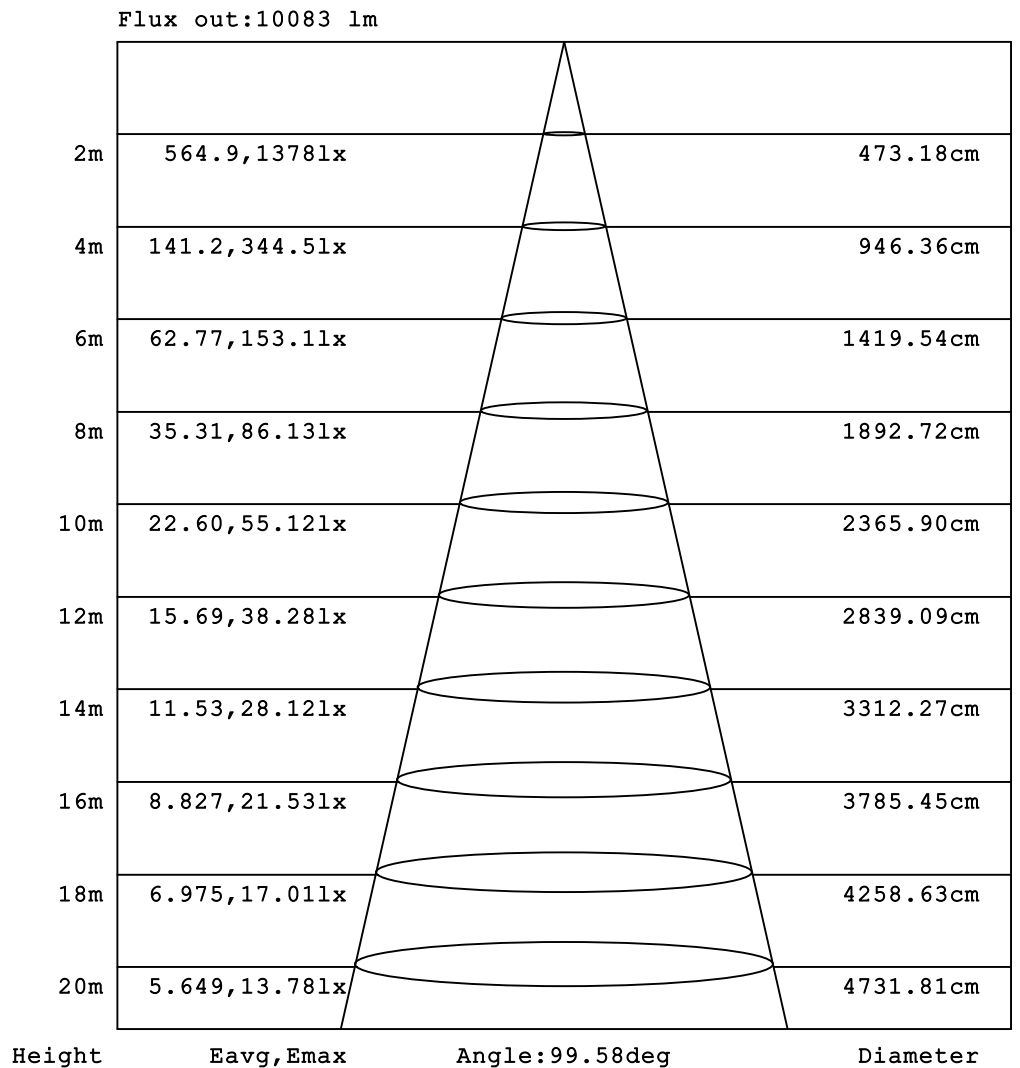


C Range: 0 - 360DEG
C Interval: 90.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:YINQINYI
Test Date:2024-12-20

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:119.80V I:0.6350A P:75.200W PF:0.9880 Freq:50.00Hz Lamp Flux:12878.8x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:	Shielding Angle:



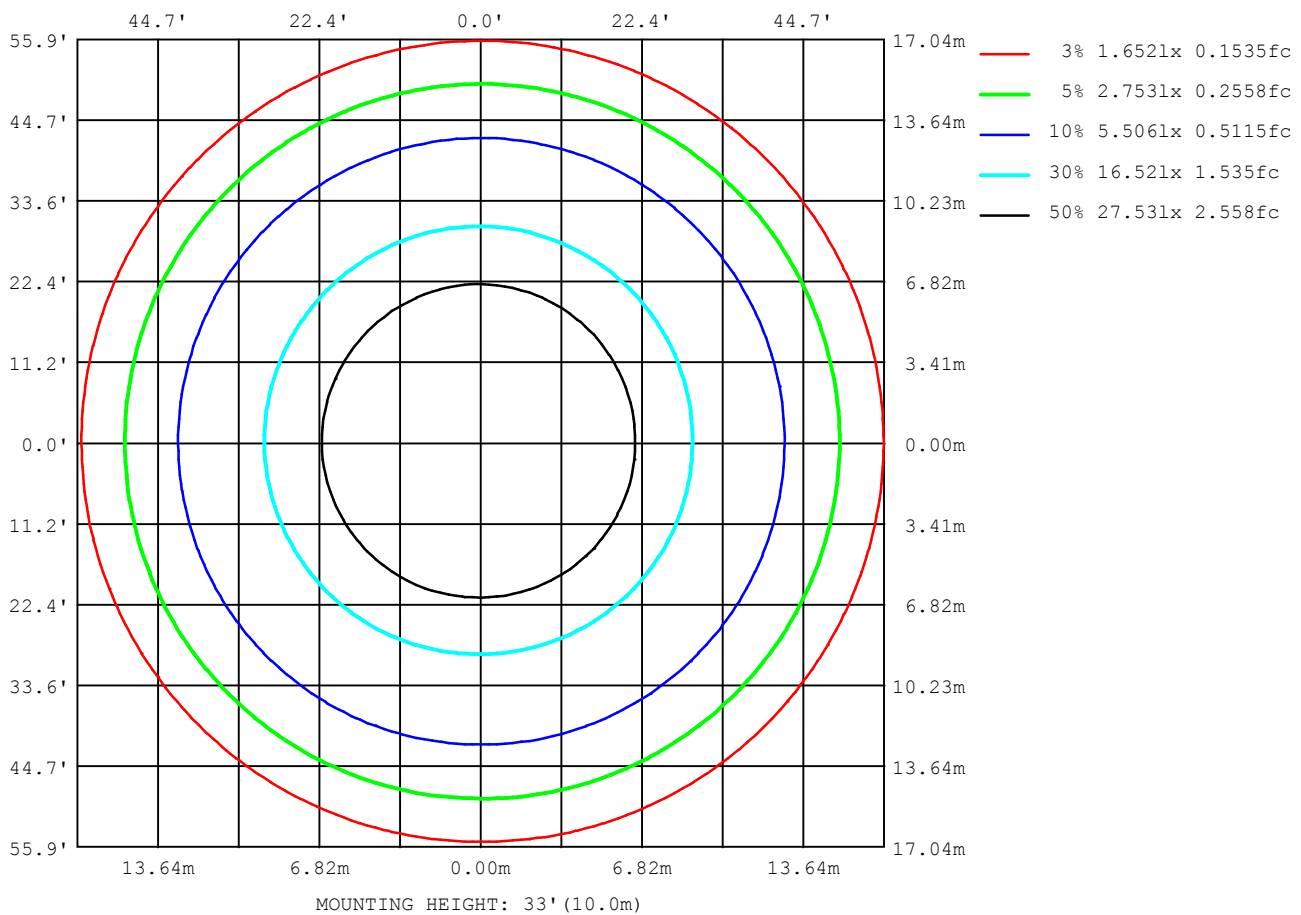
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
C Interval: 90.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:YINQINYI
Test Date:2024-12-20

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:119.80V I:0.6350A P:75.200W PF:0.9880 Freq:50.00Hz Lamp Flux:12878.8x1 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: 2024-12-20

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:119.80V I:0.6350A P:75.200W PF:0.9880 Freq:50.00Hz Lamp Flux:12878.8x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:	Shielding Angle:

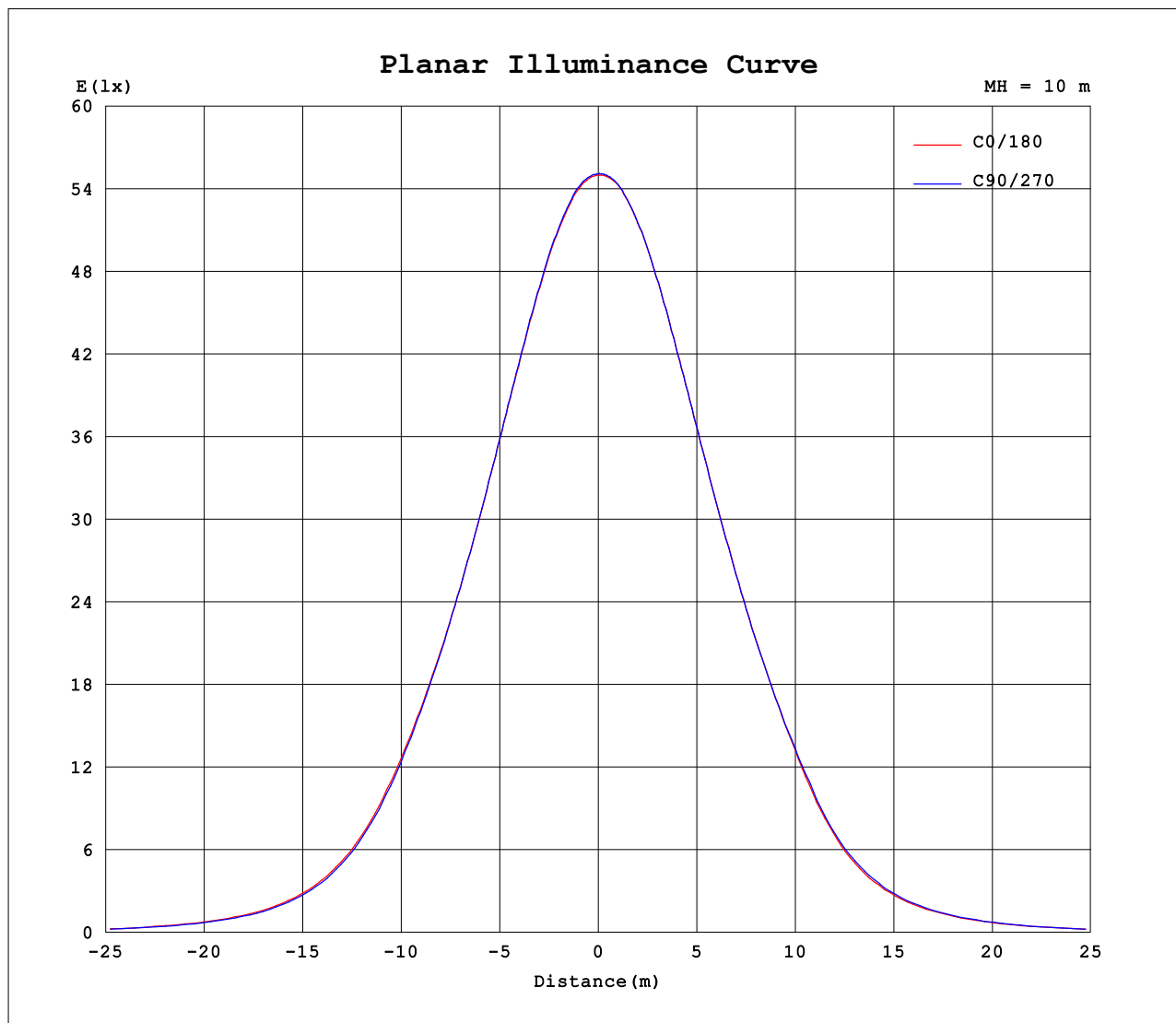
AvgL	cd/m2
L_0~180 (65) av	17699
L_0~180 (75) av	10074
L_0~180 (85) av	5769
L_90~270 (65) av	17534
L_90~270 (75) av	10084
L_90~270 (85) av	5577
L_45 (65) av	17559
L_45 (75) av	10055
L_45 (85) av	5666

Standard: GB/T 29293-2012

C Range: 0 - 360DEG
C Interval: 90.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:YINQINYI
Test Date:2024-12-20

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: 2024-12-20

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:

```