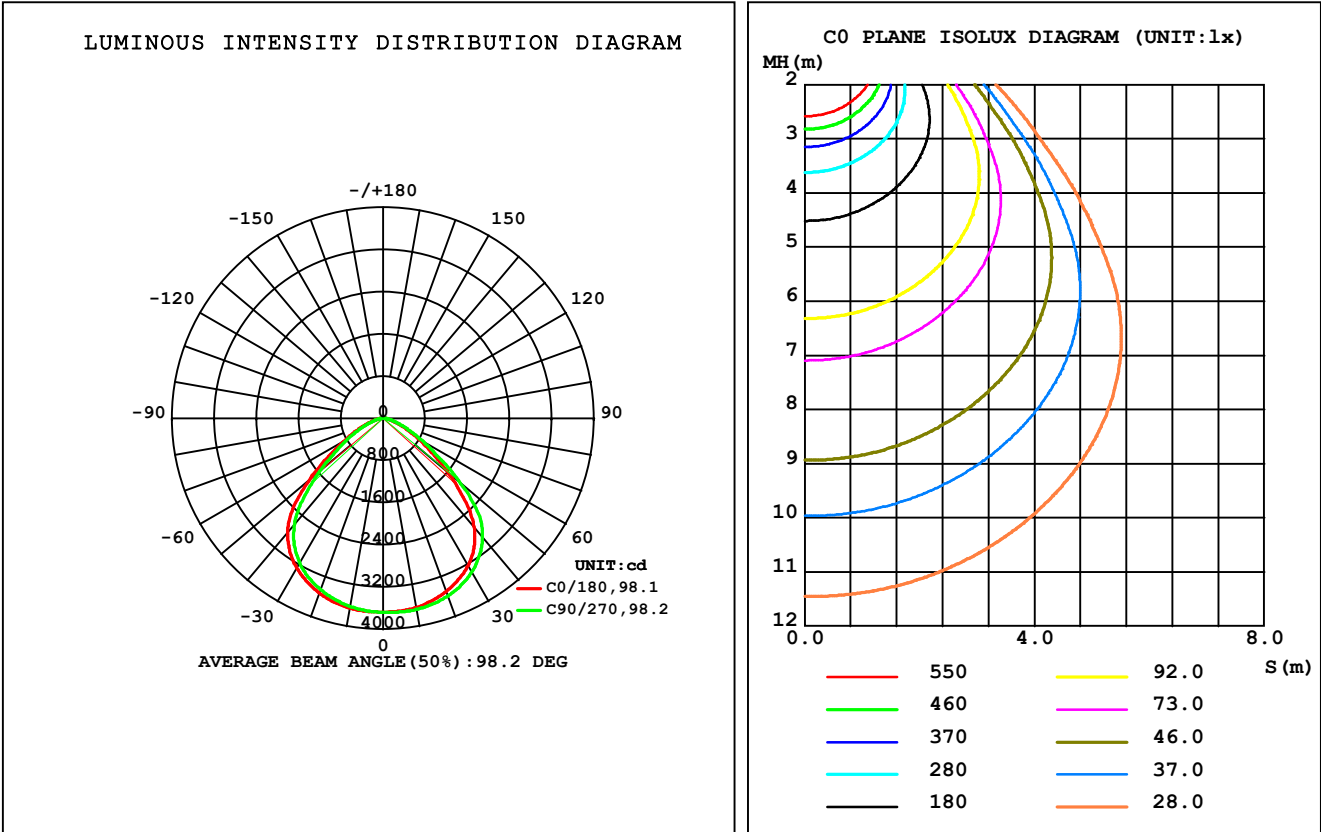


LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:119.90V I:0.4200A P:49.700W PF:0.9850 Freq:50.00Hz Lamp Flux:8470.7x1 lm					
NAME:		TYPE:		WEIGHT:	
SPEC.:		DIM.:		SERIAL No.:	
MFR.: EVERFINE		SUR.:		Shielding Angle:	

DATA OF LAMP		PHOTOMETRIC DATA				Eff: 170.44 lm/W
MODEL		I _{max} (cd)	3688	S/MH (C0/180)	1.32	
NOMINAL POWER (W)	50	LOR (%)	100.0	S/MH (C90/270)	1.27	
RATED VOLTAGE (V)	120	TOTAL FLUX (lm)	8470.7	η UP, DN (C0-180)	0.0, 50.6	
NOMINAL FLUX (lm)	8470.7	CIE CLASS	DIRECT	η UP, DN (C180-360)	0.0, 49.4	
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: 2024-12-20

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	3641	3680	3655	3622					0- 10	349.9	349.9	4.13, 4.13
20	3499	3588	3531	3460					10- 20	1017	1367	16.1, 16.1
30	3227	3368	3279	3170					20- 30	1572	2938	34.7, 34.7
40	2688	2941	2816	2616					30- 40	1904	4842	57.2, 57.2
50	1628	1927	1849	1585					40- 50	1771	6613	78.1, 78.1
60	756.6	869.9	851.2	744.4					50- 60	1091	7704	91.91
70	300.1	340.5	346.4	298.0					60- 70	527.3	8232	97.2, 97.2
80	73.12	90.68	95.59	74.92					70- 80	195.5	8427	99.5, 99.5
90	21.97	22.25	30.80	30.61					80- 90	43.57	8471	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): 5790.9 lm

%lum = 68.4%

%lamp = 68.4%

Conical surface Flux(120deg): 7704.4 lm

%lum = 91.0%

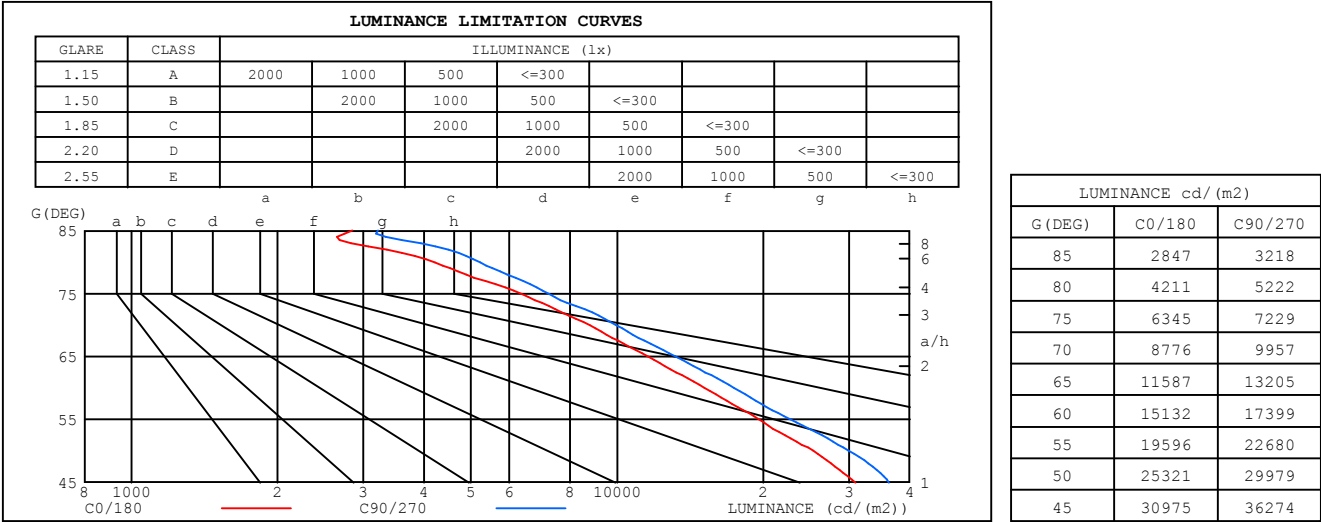
%lamp = 91.0%

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:119.90V I:0.4200A P:49.700W PF:0.9850 Freq:50.00Hz Lamp Flux:8470.7x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:	Shielding Angle:



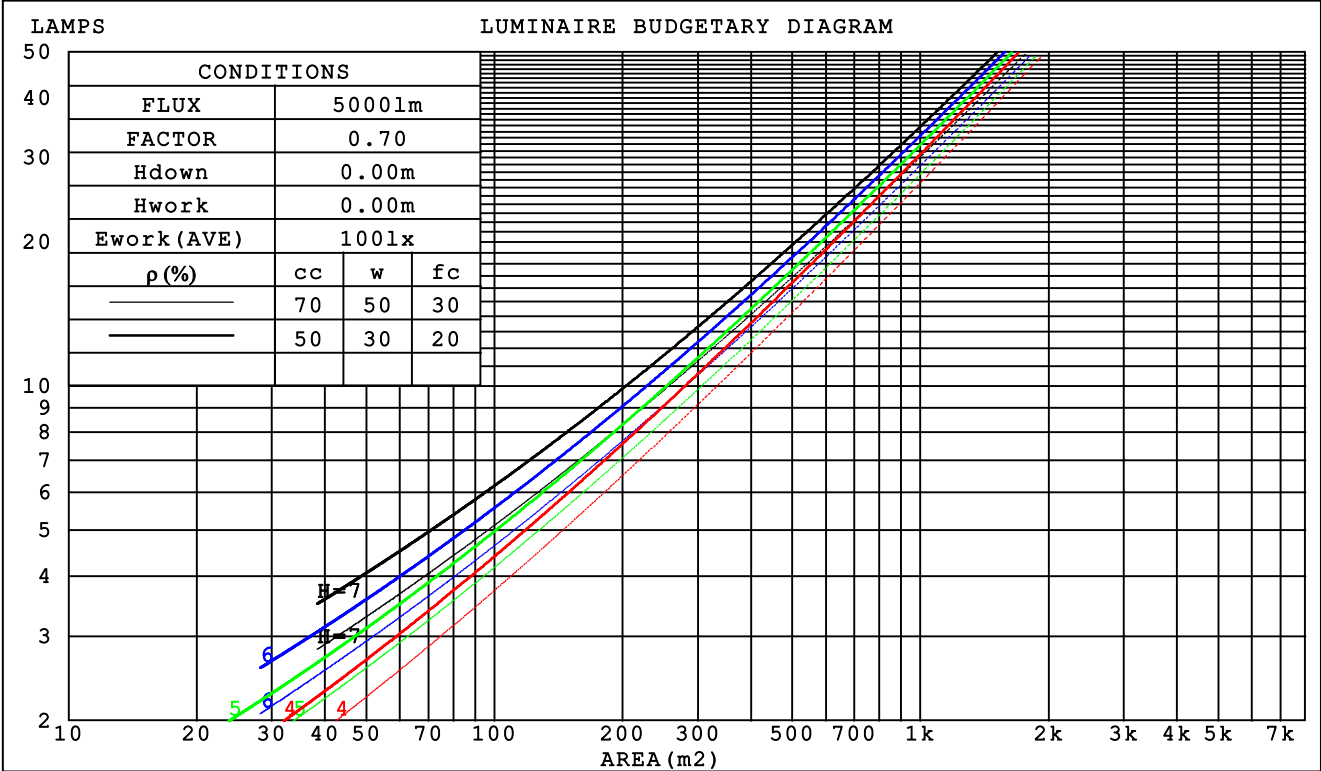
C Range: 0 - 360DEG
C Interval: 90.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:YINQINYI
Test Date:2024-12-20

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:119.90V I:0.4200A P:49.700W PF:0.9850 Freq:50.00Hz Lamp Flux:8470.7x1 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															



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:119.90V I:0.4200A P:49.700W PF:0.9850 Freq:50.00Hz Lamp Flux:8470.7x1 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	.227	.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	.205	.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	.161	.084	.025			
8.0	.172	.084	.024	.169	.083	.023	.163	.082	.023	.158	.080	.023	.153	.079	.023			
9.0	.162	.079	.022	.160	.078	.022	.155	.076	.022	.150	.075	.022	.146	.074	.021			
10.0	.154	.074	.020	.151	.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	.112	.059	.023	.097	.051	.021	.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:119.90V I:0.4200A P:49.700W PF:0.9850 Freq:50.00Hz Lamp Flux:8470.7x1 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	2H	22.9	24.3	23.2	24.5	24.7	23.4	24.8	23.7	25.0	25.2	
	3H	23.2	24.5	23.5	24.7	24.9	23.8	25.0	24.1	25.2	25.5	
	4H	23.3	24.5	23.6	24.7	24.9	23.8	25.0	24.1	25.3	25.5	
	6H	23.3	24.4	23.6	24.6	24.9	23.8	24.9	24.2	25.2	25.5	
	8H	23.2	24.3	23.6	24.6	24.9	23.8	24.9	24.2	25.2	25.4	
	12H	23.2	24.2	23.5	24.5	24.8	23.8	24.8	24.1	25.1	25.4	
	4H	2H	23.1	24.3	23.4	24.5	24.7	23.5	24.7	23.8	25.0	25.2
		3H	23.5	24.5	23.9	24.8	25.1	24.0	25.0	24.3	25.3	25.6
		4H	23.6	24.5	24.0	24.9	25.2	24.1	25.0	24.5	25.4	25.7
		6H	23.7	24.5	24.0	24.8	25.2	24.2	25.0	24.6	25.3	25.7
		8H	23.6	24.4	24.0	24.8	25.1	24.2	24.9	24.6	25.3	25.7
		12H	23.6	24.3	24.0	24.7	25.1	24.1	24.8	24.6	25.2	25.6
8H	4H	23.6	24.4	24.0	24.7	25.1	24.1	24.8	24.5	25.2	25.6	
	6H	23.7	24.3	24.1	24.7	25.1	24.2	24.8	24.6	25.2	25.6	
	8H	23.7	24.2	24.1	24.7	25.1	24.2	24.7	24.6	25.2	25.6	
	12H	23.7	24.1	24.1	24.6	25.1	24.2	24.6	24.7	25.1	25.6	
12H	4H	23.6	24.3	24.0	24.6	25.0	24.1	24.7	24.5	25.1	25.5	
	6H	23.7	24.2	24.1	24.6	25.1	24.2	24.7	24.6	25.1	25.6	
	8H	23.7	24.1	24.1	24.6	25.1	24.2	24.6	24.6	25.1	25.6	
Variations with the observer position at spacings:												
S = 1.0H		+ 0.9 / - 1.1					+ 0.8 / - 0.9					
1.5H		+ 0.5 / - 0.6					+ 0.6 / - 0.6					
2.0H		+ 1.8 / - 1.7					+ 2.0 / - 1.9					

CIE Pub.117, 8471 lm Total Lamp Luminous Flux Corrected ($8\log(F/F_0) = 7.4$)
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:119.90V I:0.4200A P:49.700W PF:0.9850 Freq:50.00Hz Lamp Flux:8470.7x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:	Shielding Angle:

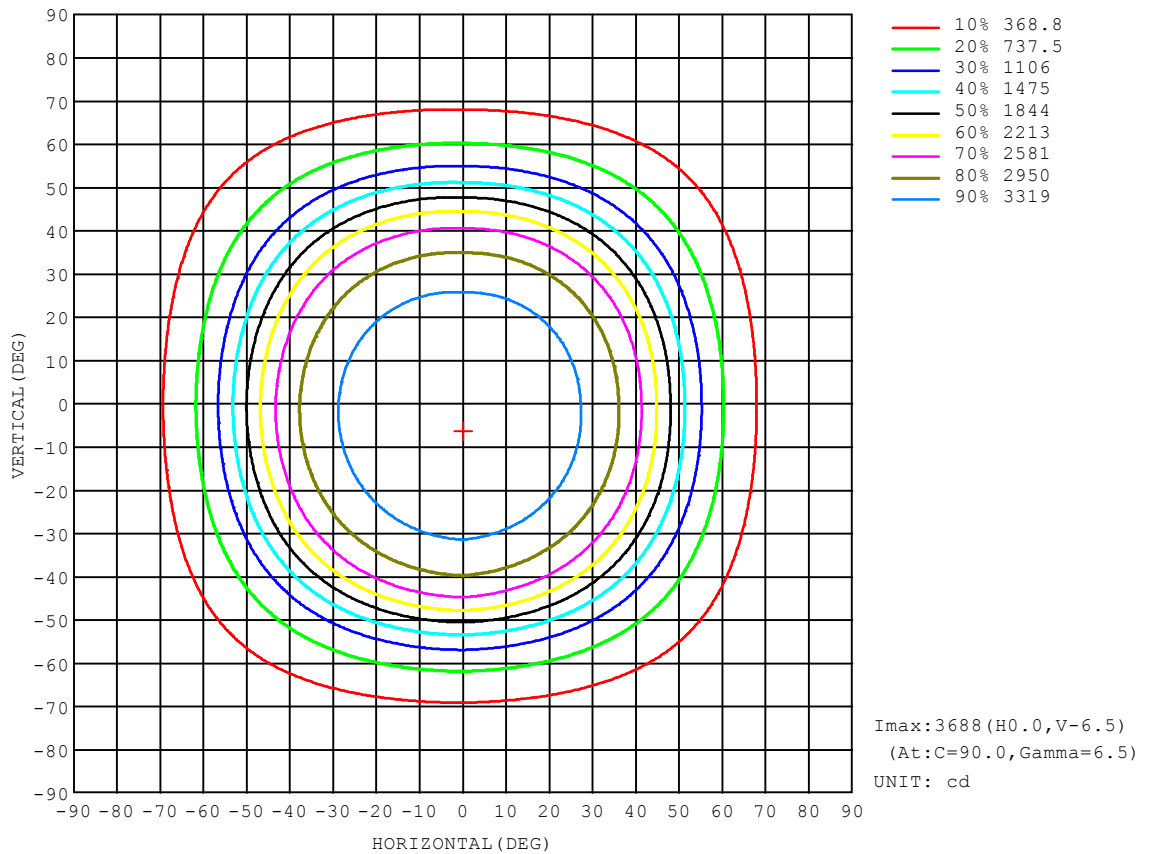
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS (PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	64	54	48	64	54	48	63	53	47	42
0.80	75	65	58	74	64	58	72	63	58	52
1.00	83	74	68	82	73	67	80	74	67	61
1.25	90	81	75	89	80	75	86	79	74	68
1.50	94	86	81	93	85	80	90	84	79	73
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	105	101	107	103	99	103	100	97	89
5.00	111	107	104	109	105	102	104	102	99	91
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:119.90V I:0.4200A P:49.700W PF:0.9850 Freq:50.00Hz Lamp Flux:8470.7x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:	Shielding Angle:

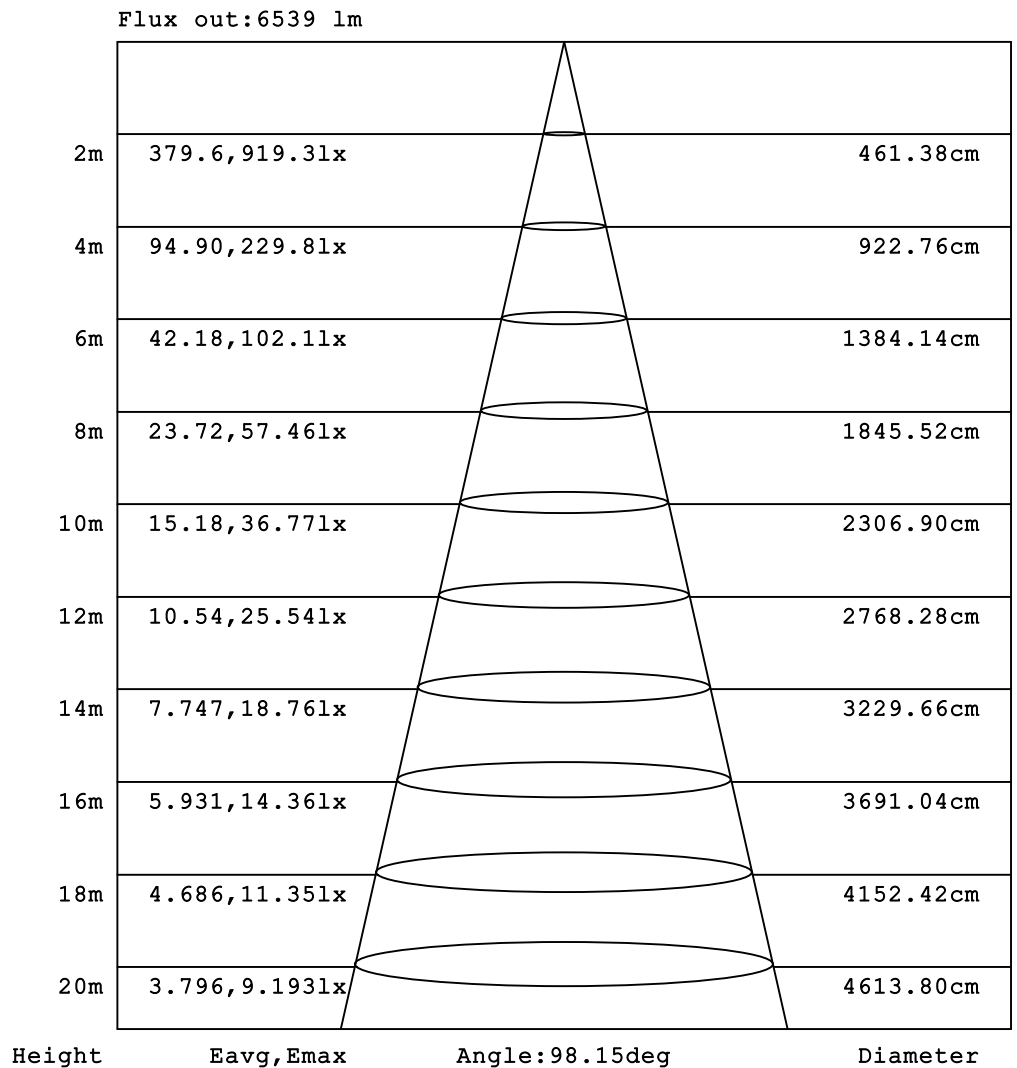


C Range: 0 - 360DEG
C Interval: 90.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:YINQINYI
Test Date:2024-12-20

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:119.90V I:0.4200A P:49.700W PF:0.9850 Freq:50.00Hz Lamp Flux:8470.7x1 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:

```

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:0.4200A P:49.700W PF:0.9850 Freq:50.00Hz Lamp Flux:8470.7x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:	Shielding Angle:

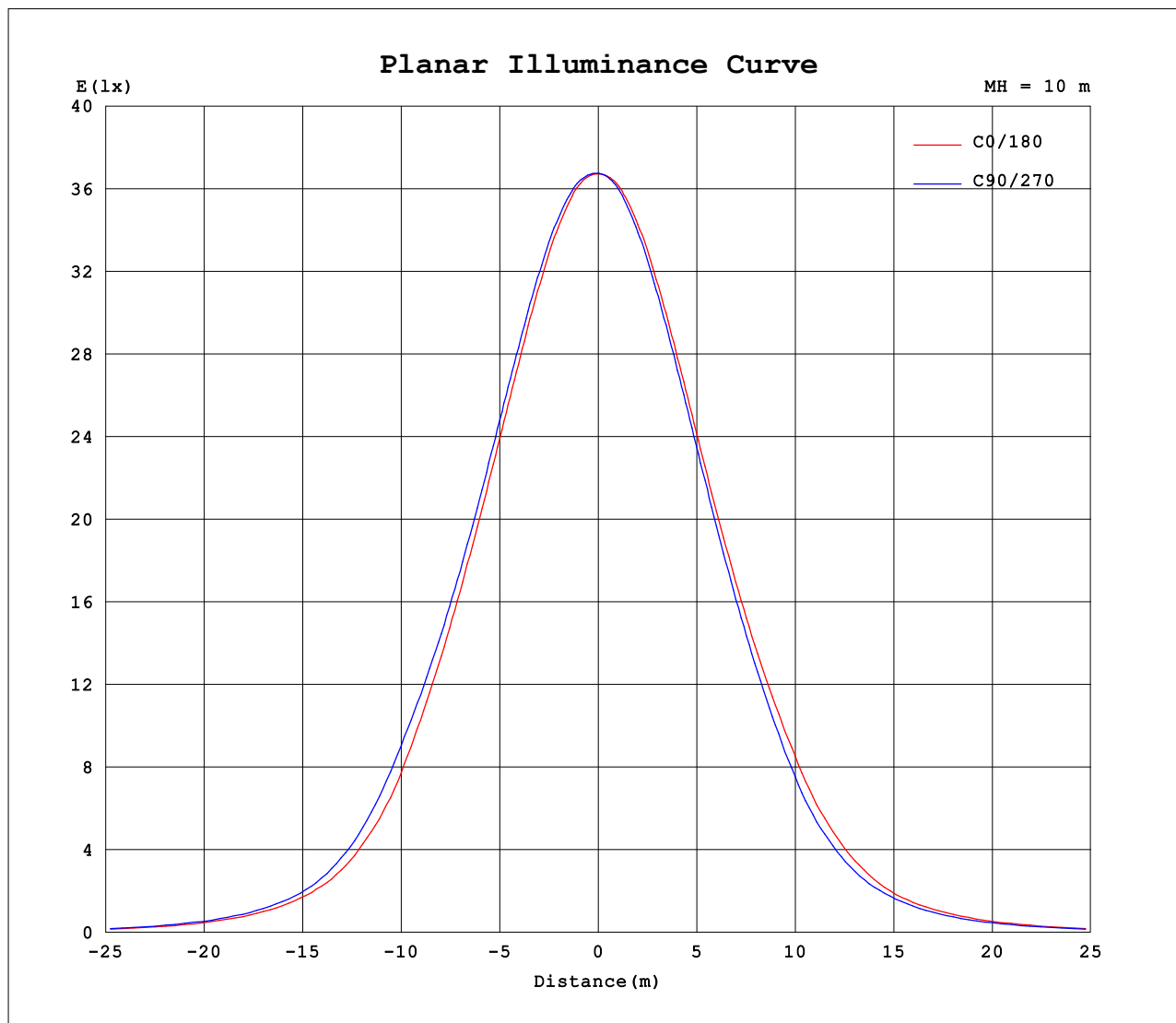
AvgL	cd/m2
L_0~180 (65) av	12363
L_0~180 (75) av	6931
L_0~180 (85) av	3530
L_90~270 (65) av	12258
L_90~270 (75) av	6829
L_90~270 (85) av	3505
L_45 (65) av	12346
L_45 (75) av	6904
L_45 (85) av	3557

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:

```