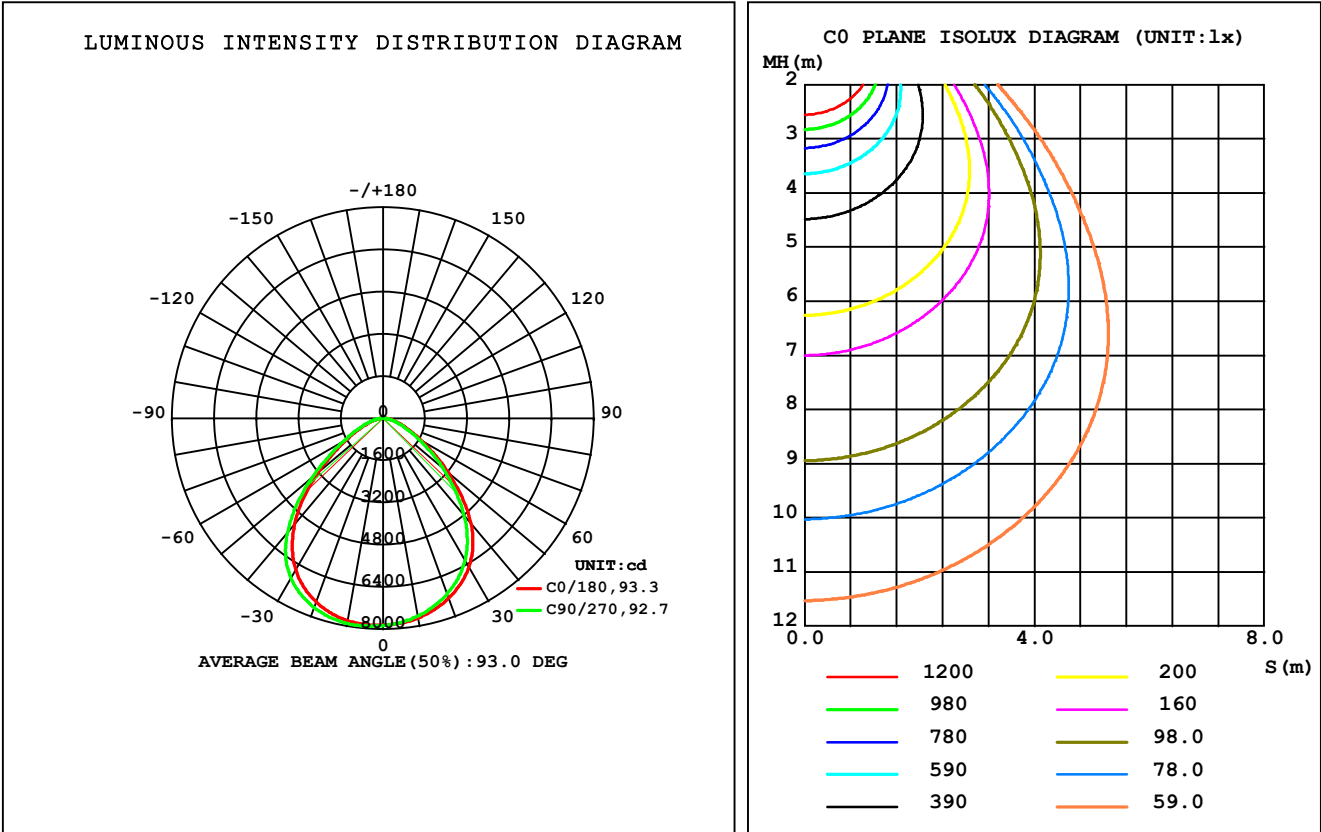


LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:119.80V I:0.8630A P:102.50W PF:0.9910 Freq:50.00Hz Lamp Flux:16973.7x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 165.60 lm/W			
MODEL		I _{max} (cd)	7912	S/MH (C0/180)	1.25
NOMINAL POWER (W)	100	LOR (%)	100.0	S/MH (C90/270)	1.30
RATED VOLTAGE (V)	120	TOTAL FLUX (lm)	16974	η UP, DN (C0-180)	0.0, 48.5
NOMINAL FLUX (lm)	16973.7	CIE CLASS	DIRECT	η UP, DN (C180-360)	0.0, 51.5
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	7689	7616	7791	7898					0- 10	745.0	745.0	4.39, 4.39
20	7268	7096	7422	7644					10- 20	2142	2887	17, 17
30	6517	6227	6639	6996					20- 30	3236	6123	36.1, 36.1
40	5188	4782	5211	5650					30- 40	3729	9852	58, 58
50	3268	3004	3245	3554					40- 50	3271	13123	77.3, 77.3
60	1670	1534	1562	1731					50- 60	2124	15247	89.8, 89.8
70	786.2	683.9	685.3	778.8					60- 70	1117	16364	96.4, 96.4
80	272.8	204.8	219.3	285.1					70- 80	496.9	16860	99.3, 99.3
90	44.74	44.30	62.42	63.35					80- 90	113.3	16974	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): 11607 lm

%lum = 68.4%

%lamp = 68.4%

Conical surface Flux(120deg): 15247 lm

%lum = 89.8%

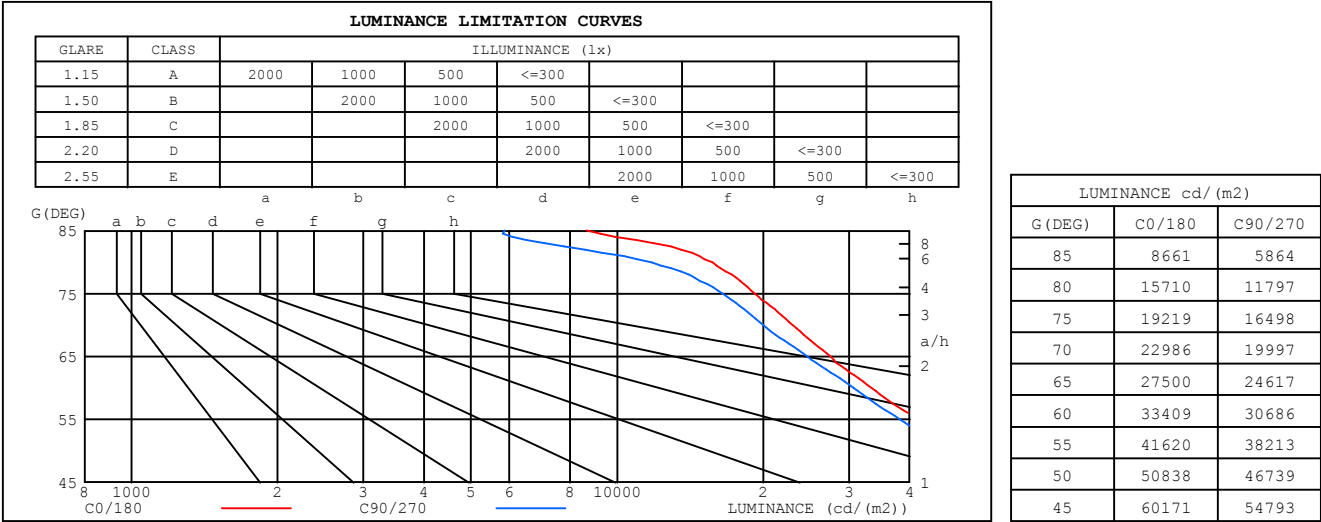
%lamp = 89.8%

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:0.8630A P:102.50W PF:0.9910 Freq:50.00Hz Lamp Flux:16973.7x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:	Shielding Angle:



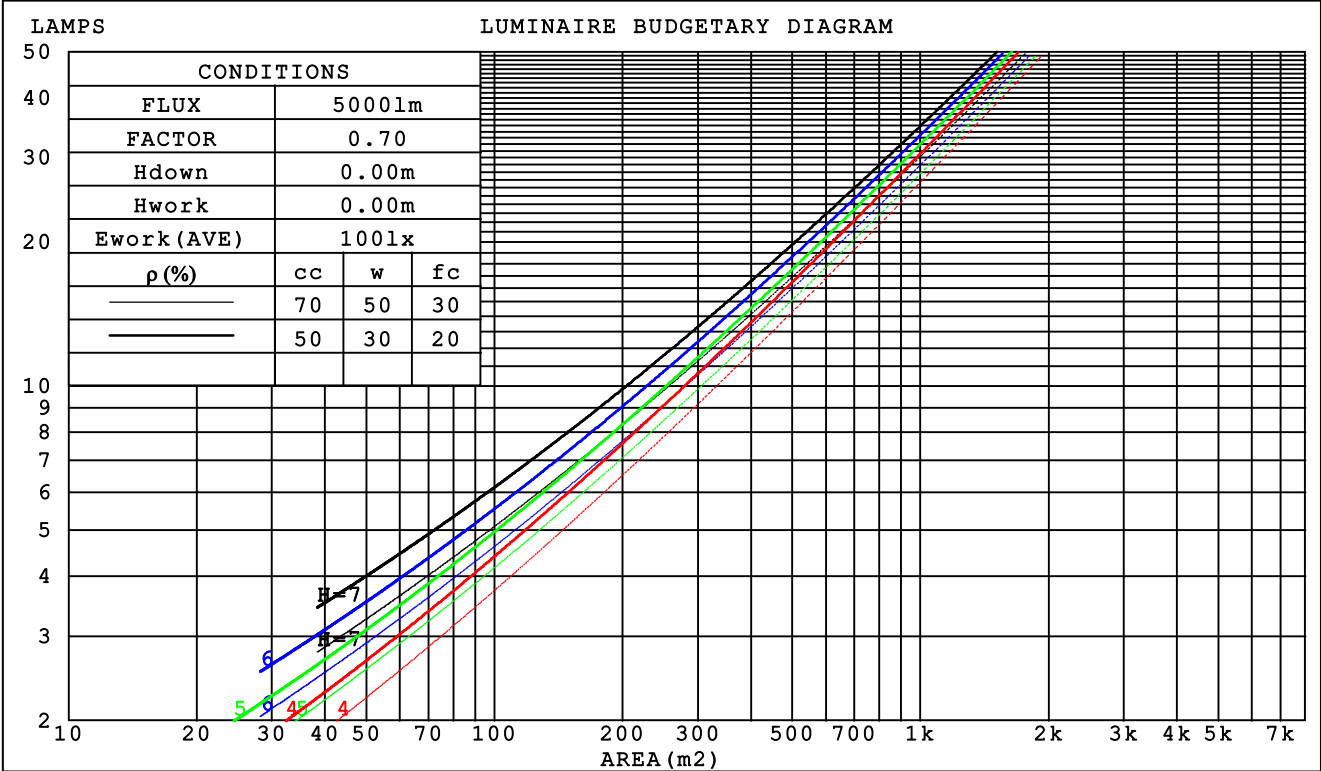
C Range: 0 - 360DEG
C Interval: 90.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:YINQINYI
Test Date:2024-12-20

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:119.80V I:0.8630A P:102.50W PF:0.9910 Freq:50.00Hz Lamp Flux:16973.7x1 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															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	1.01	.98	1.00	.98	.95	.97	.94	.92	.93	.91	.90	.88														
2.0	.95	.89	.85	.93	.88	.84	.90	.86	.82	.87	.83	.80	.84	.81	.78	.76														
3.0	.85	.78	.73	.84	.77	.72	.81	.75	.71	.78	.73	.69	.76	.72	.68	.66														
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	.60	.54	.64	.58	.54	.63	.57	.53	.51														
6.0	.63	.55	.49	.62	.54	.49	.60	.54	.48	.59	.53	.48	.57	.52	.48	.46														
7.0	.58	.50	.44	.57	.49	.44	.55	.48	.43	.54	.48	.43	.53	.47	.43	.41														
8.0	.53	.45	.40	.52	.45	.39	.51	.44	.39	.50	.44	.39	.49	.43	.39	.37														
9.0	.49	.41	.36	.48	.41	.36	.47	.40	.36	.46	.40	.35	.45	.39	.35	.34														
10.0	.45	.38	.33	.45	.37	.33	.44	.37	.33	.43	.37	.32	.42	.36	.32	.31														



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:0.8630A P:102.50W PF:0.9910 Freq:50.00Hz Lamp Flux:16973.7x1 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	.255	.145	.046	.248	.141	.045	.235	.135	.043	.223	.129	.041	.212	.123	.040	
2.0	.246	.135	.041	.240	.132	.041	.228	.127	.039	.218	.122	.038	.208	.118	.037	
3.0	.232	.124	.037	.227	.122	.037	.217	.118	.036	.208	.114	.035	.200	.110	.034	
4.0	.218	.113	.033	.214	.112	.033	.205	.109	.032	.197	.106	.032	.189	.103	.031	
5.0	.205	.104	.030	.201	.103	.030	.193	.101	.030	.186	.098	.029	.179	.096	.029	
6.0	.193	.097	.028	.189	.095	.027	.182	.093	.027	.176	.091	.027	.170	.089	.027	
7.0	.181	.090	.025	.178	.089	.025	.172	.087	.025	.166	.085	.025	.161	.083	.025	
8.0	.171	.083	.023	.168	.083	.023	.162	.081	.023	.157	.080	.023	.152	.078	.023	
9.0	.161	.078	.022	.159	.077	.022	.154	.076	.022	.149	.075	.021	.145	.074	.021	
10.0	.153	.073	.020	.150	.073	.020	.146	.072	.020	.142	.070	.020	.138	.069	.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	.119	.103	.092	.083	.059	.054	.048	.019	.017	.016	
2.0	.166	.132	.104	.142	.114	.090	.097	.079	.062	.056	.046	.037	.018	.015	.012	
3.0	.157	.114	.080	.135	.098	.069	.093	.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	.046	.029	.015	.015	.009	.005	
7.0	.129	.074	.036	.111	.064	.031	.077	.045	.022	.044	.026	.013	.014	.009	.004	
8.0	.123	.068	.031	.106	.059	.027	.073	.042	.019	.043	.024	.011	.014	.008	.004	
9.0	.117	.063	.027	.101	.055	.023	.070	.039	.017	.041	.023	.010	.013	.007	.003	
10.0	.112	.059	.024	.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:119.80V I:0.8630A P:102.50W PF:0.9910 Freq:50.00Hz Lamp Flux:16973.7x1 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	25.2	26.5	25.4	26.7	26.9	24.8	26.2	25.1	26.4	26.6	
	3H	25.8	27.0	26.0	27.2	27.4	25.4	26.6	25.6	26.8	27.1
	4H	26.0	27.1	26.3	27.4	27.6	25.5	26.7	25.8	26.9	27.2
	6H	26.1	27.2	26.4	27.4	27.7	25.6	26.7	25.9	27.0	27.2
	8H	26.1	27.1	26.4	27.4	27.7	25.6	26.6	25.9	26.9	27.2
	12H	26.1	27.1	26.4	27.4	27.7	25.5	26.6	25.9	26.8	27.1
4H	2H	25.4	26.5	25.7	26.8	27.0	25.1	26.3	25.4	26.5	26.8
	3H	26.1	27.1	26.4	27.4	27.7	25.8	26.8	26.1	27.1	27.4
	4H	26.4	27.3	26.8	27.6	28.0	26.0	26.9	26.4	27.3	27.6
	6H	26.6	27.4	27.0	27.8	28.1	26.2	27.0	26.6	27.3	27.7
	8H	26.6	27.4	27.1	27.8	28.1	26.2	26.9	26.6	27.3	27.7
	12H	26.6	27.3	27.1	27.7	28.1	26.1	26.8	26.6	27.2	27.6
8H	4H	26.4	27.2	26.9	27.6	27.9	26.1	26.8	26.5	27.2	27.6
	6H	26.7	27.3	27.2	27.7	28.2	26.3	26.9	26.7	27.3	27.7
	8H	26.8	27.4	27.3	27.8	28.2	26.3	26.9	26.8	27.3	27.7
	12H	26.8	27.3	27.3	27.7	28.2	26.3	26.8	26.8	27.2	27.7
12H	4H	26.4	27.1	26.8	27.5	27.9	26.1	26.8	26.5	27.1	27.5
	6H	26.7	27.3	27.2	27.7	28.1	26.3	26.8	26.8	27.3	27.7
	8H	26.8	27.3	27.3	27.7	28.2	26.3	26.8	26.8	27.3	27.7
Variations with the observer position at spacings:											
S = 1.0H	+ 0.5 / - 0.7					+ 0.6 / - 0.7					
1.5H	+ 0.3 / - 0.3					+ 0.3 / - 0.4					
2.0H	+ 1.3 / - 1.2					+ 1.2 / - 1.2					

CIE Pub.117, 16974 lm Total Lamp Luminous Flux Corrected ($8\log(F/F_0) = 9.8$)
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:0.8630A P:102.50W PF:0.9910 Freq:50.00Hz Lamp Flux:16973.7x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:	Shielding Angle:

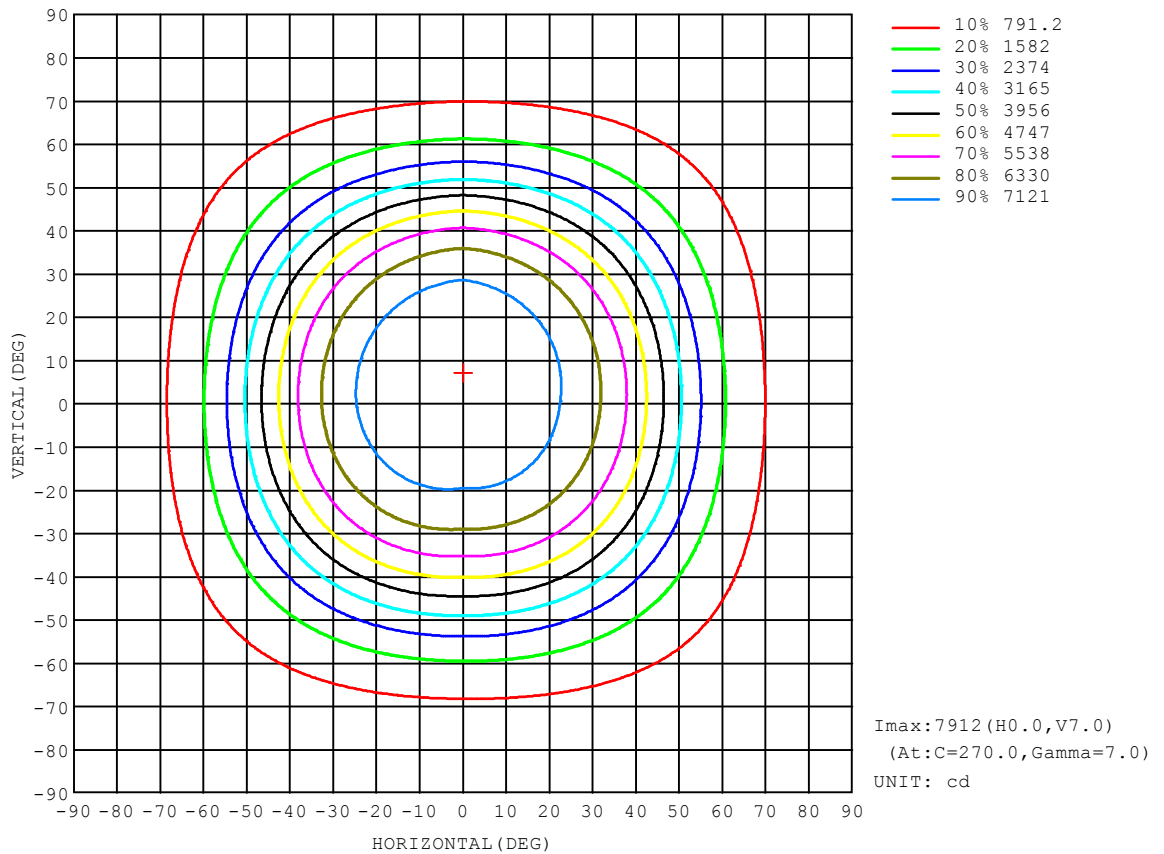
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS (PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	65	55	49	64	55	49	63	54	48	43
0.80	75	65	59	74	65	59	73	64	58	52
1.00	83	74	68	82	73	68	80	74	67	61
1.25	90	81	75	89	81	75	86	79	74	68
1.50	94	86	81	93	85	80	90	84	79	72
2.00	100	93	88	98	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	102	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:0.8630A P:102.50W PF:0.9910 Freq:50.00Hz Lamp Flux:16973.7x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:	Shielding Angle:

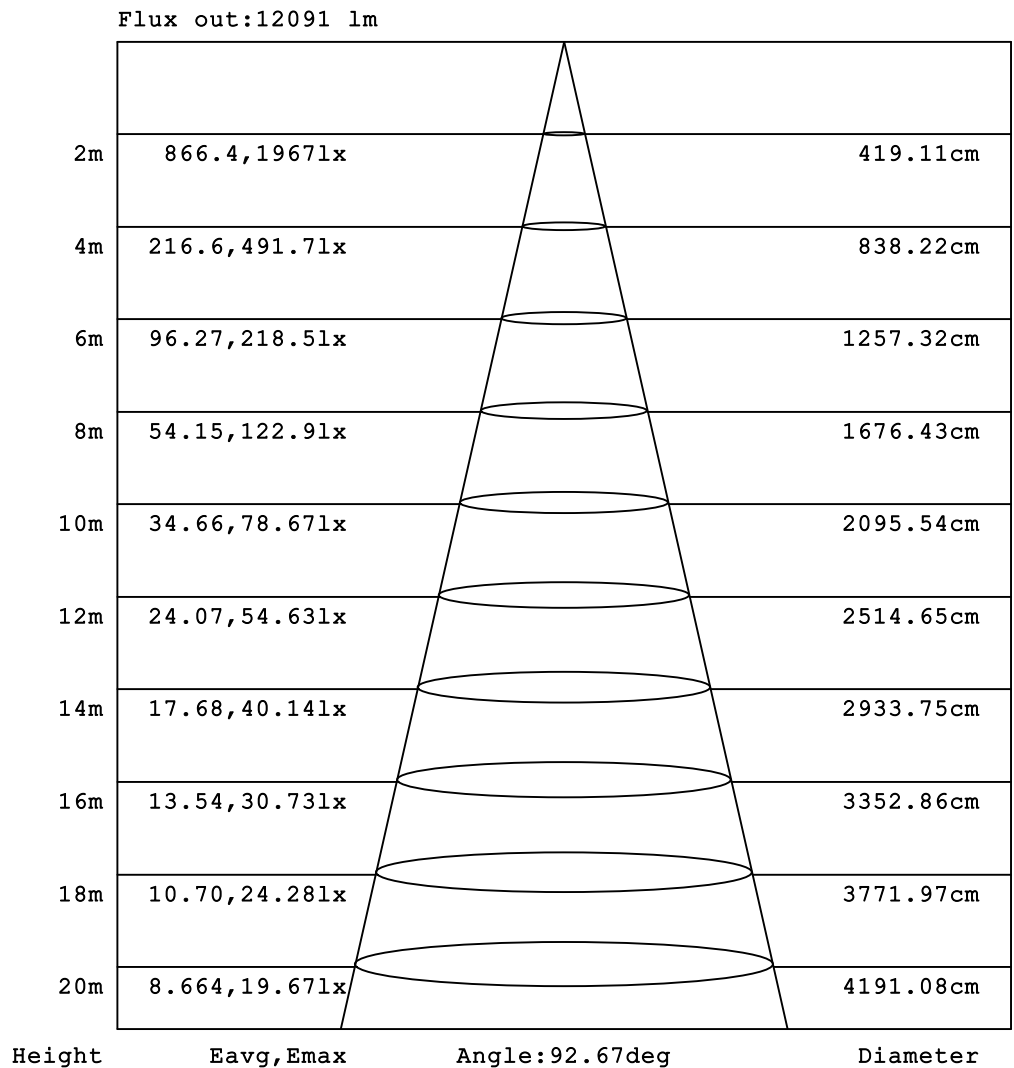


C Range: 0 - 360DEG
C Interval: 90.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:YINQINYI
Test Date:2024-12-20

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:119.80V I:0.8630A P:102.50W PF:0.9910 Freq:50.00Hz Lamp Flux:16973.7x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:	Shielding Angle:



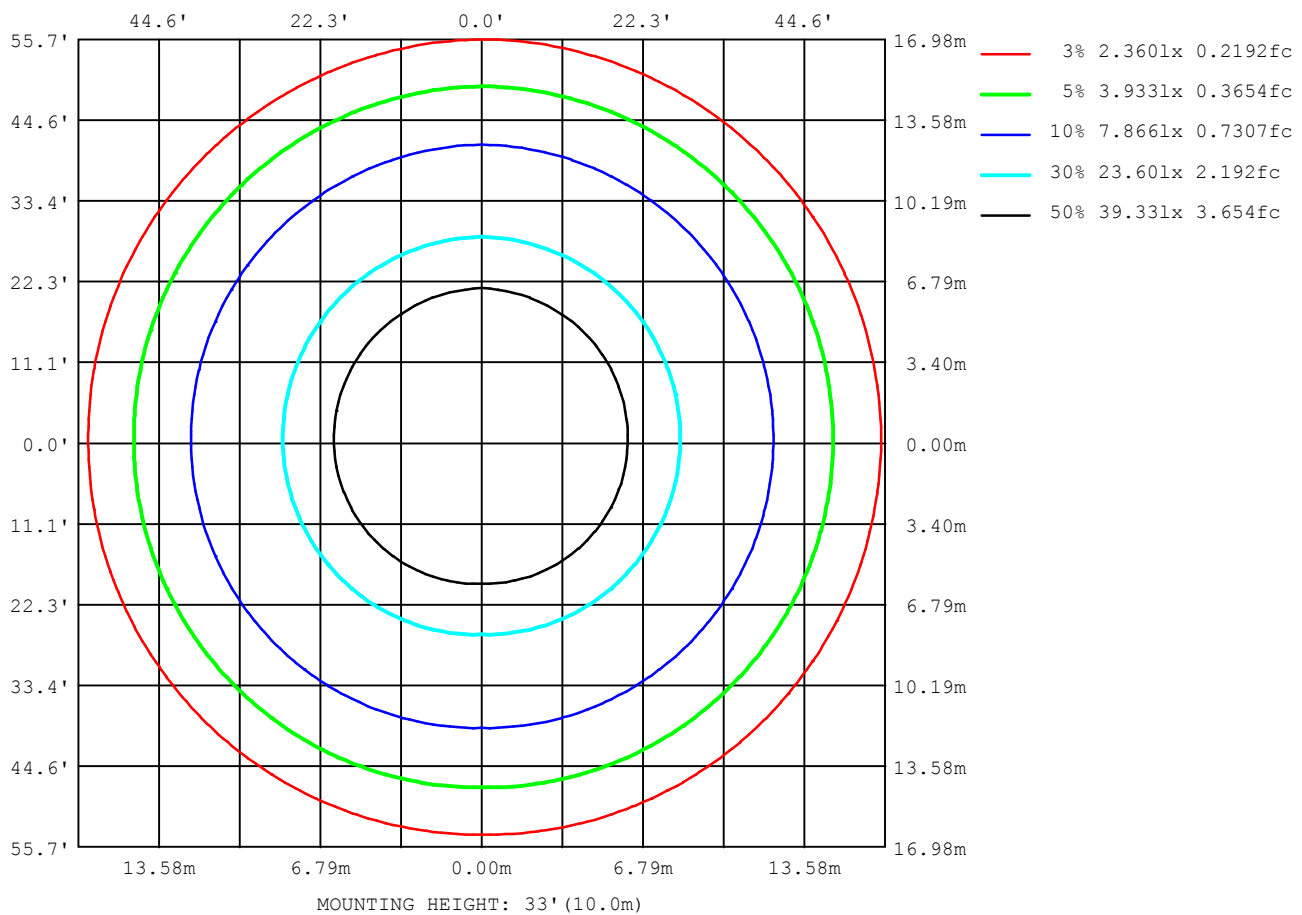
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

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:

ISOLUX DIAGRAM

Test:U:119.80V I:0.8630A P:102.50W PF:0.9910 Freq:50.00Hz Lamp Flux:16973.7x1 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:

LED Avg.L Report

Test:U:119.80V I:0.8630A P:102.50W PF:0.9910 Freq:50.00Hz Lamp Flux:16973.7x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:	Shielding Angle:

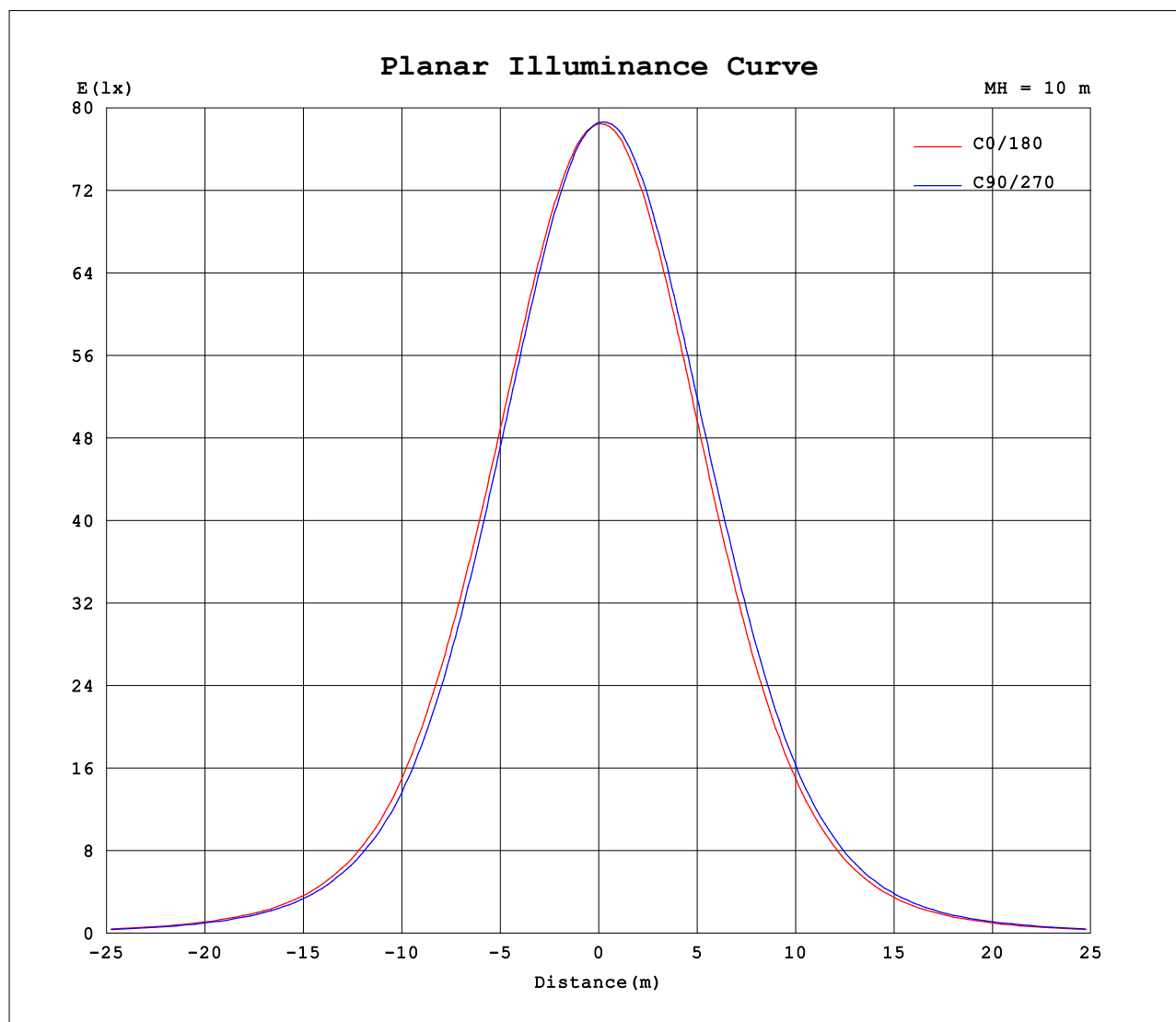
AvgL	cd/m2
L_0~180 (65) av	26157
L_0~180 (75) av	17868
L_0~180 (85) av	8422
L_90~270 (65) av	26255
L_90~270 (75) av	17862
L_90~270 (85) av	8637
L_45 (65) av	26134
L_45 (75) av	17780
L_45 (85) av	8542

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:

```