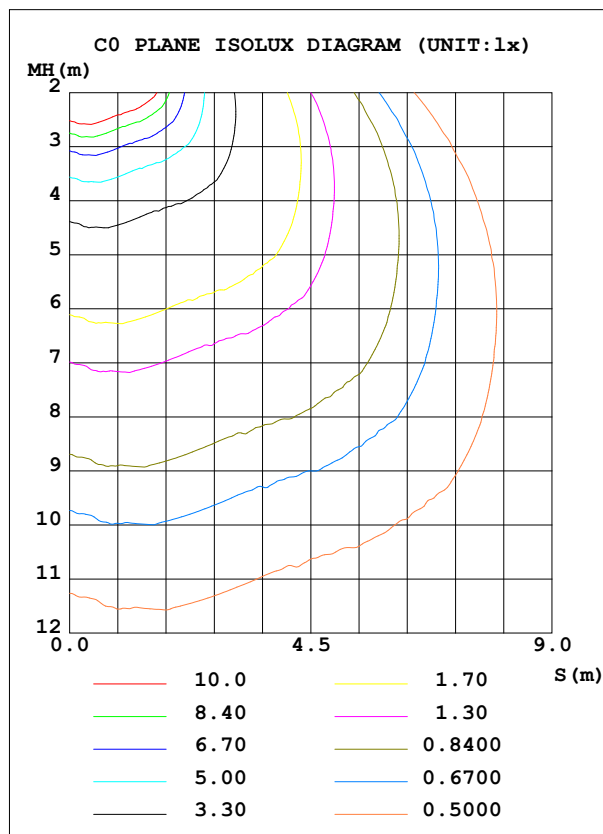
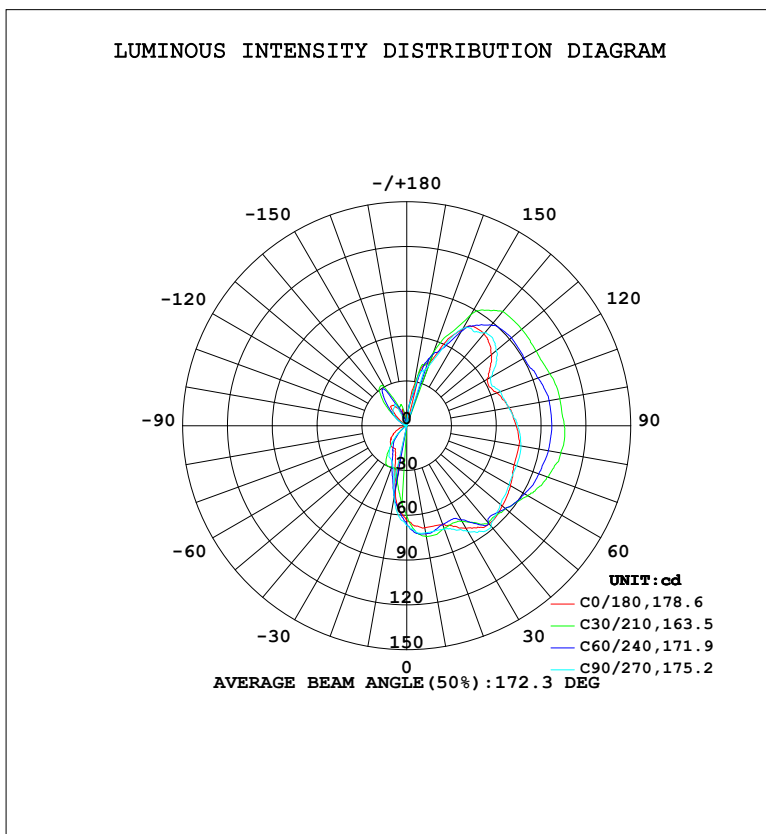


LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:120.13V I:1.8743A P:224.13W PF:0.9954 Freq:60.00Hz Lamp Flux:573.024x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA			
MODEL	HF7109-BK-SMK	Imax (cd)	106.1	S/MH (C0/180)	0.48
NOMINAL POWER (W)		LOR (%)	100.0	S/MH (C90/270)	0.49
RATED VOLTAGE (V)	120	TOTAL FLUX (lm)	573.02	η UP, DN (C0-180)	44.4, 47.0
NOMINAL FLUX (lm)	573.024	CIE CLASS	DIFFUSE	η UP, DN (C180-360)	3.5, 5.0
LAMPS INSIDE	1	η up (%)	47.9	CIBSE SHR NOM	1.00
TEST VOLTAGE (V)	120	η down (%)	52.1	CIBSE SHR MAX	1.10



C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature: 24.5°C
 Operators: 张丁泯
 Test Date: 2025-12-04

γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
 Test System: EVERFINE GO-R5000_V2 SYSTEM V2.00.463
 Humidity: 65.0%
 Test Distance: 30.000m [K=0.9305]
 Remarks:

ZONAL FLUX DIAGRAM

ZONAL FLUX DIAGRAM:

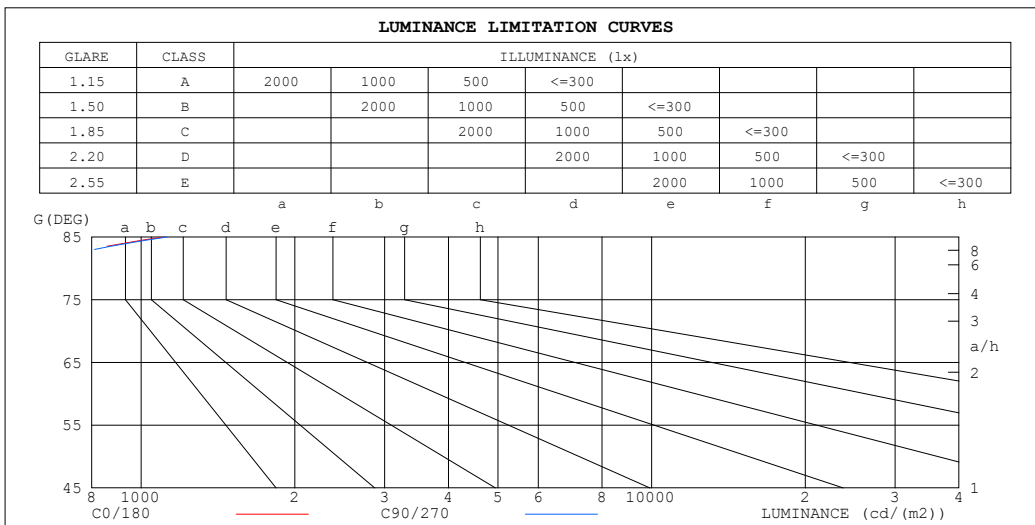
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum, lamp
10	69.34	75.68	72.82	73.31	44.67	39.82	48.92	42.40	0- 10	6.000	6.000	1.05,1.05
20	70.63	73.17	73.66	65.09	22.22	29.53	27.46	26.83	10- 20	14.73	20.73	3.62,3.62
30	79.33	70.47	81.72	73.19	17.32	25.79	23.93	21.89	20- 30	22.57	43.31	7.56,7.56
40	85.79	79.34	87.88	85.72	16.74	16.76	15.90	19.09	30- 40	32.54	75.85	13.2,13.2
50	83.54	74.67	82.03	93.44	14.04	7.041	6.029	13.39	40- 50	38.67	114.5	20,20
60	80.36	79.52	79.19	93.82	9.877	0.9016	0	7.969	50- 60	42.28	156.8	27.4,27.4
70	76.55	80.56	78.21	90.56	5.192	0	0	2.846	60- 70	45.62	202.4	35.3,35.3
80	76.33	80.36	77.63	85.04	0.4914	0	0	0	70- 80	47.68	250.1	43.6,43.6
90	73.34	78.55	74.34	81.21	0	0	0	0	80- 90	48.35	298.5	52.1,52.1
100	69.65	81.43	69.81	81.54	0	0	0	0	90-100	47.70	346.2	60.4,60.4
110	64.30	86.06	66.84	83.42	0	0.5037	2.526	0	100-110	45.94	392.1	68.4,68.4
120	62.24	88.23	64.99	81.47	0	3.826	3.515	0.8736	110-120	42.97	435.1	75.9,75.9
130	74.16	86.88	78.52	89.23	6.697	11.52	11.45	3.181	120-130	41.84	476.9	83.2,83.2
140	80.19	85.23	81.20	84.84	16.91	21.26	14.22	8.523	130-140	40.27	517.2	90.3,90.3
150	75.22	71.05	75.16	53.86	14.40	24.26	16.40	10.15	140-150	32.29	549.5	95.9,95.9
160	44.90	58.74	42.00	39.17	8.205	13.39	0	11.39	150-160	16.69	566.2	98.8,98.8
170	26.33	18.46	20.23	13.05	7.868	2.154	1.607	4.542	160-170	6.267	572.4	99.9,99.9
180	0	0	0	0	0	0	0	0	170-180	0.5921	573.0	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:24.5°C
Operators:张丁泯
Test Date:2025-12-04

γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
Test System:EVERFINE GO-R5000_V2 SYSTEM V2.00.463
Humidity:65.0%
Test Distance:30.000m [K=0.9305]
Remarks:

LUMINANCE LIMITATION CURVES

Test:U:120.13V I:1.8743A P:224.13W PF:0.9954 Freq:60.00Hz Lamp Flux:573.024x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:



LUMINANCE cd/(m2)		
G (DEG)	C0/180	C90/270
85	1108	1124
80	565	575
75	379	389
70	288	294
65	238	238
60	207	204
55	184	181
50	167	164
45	155	154

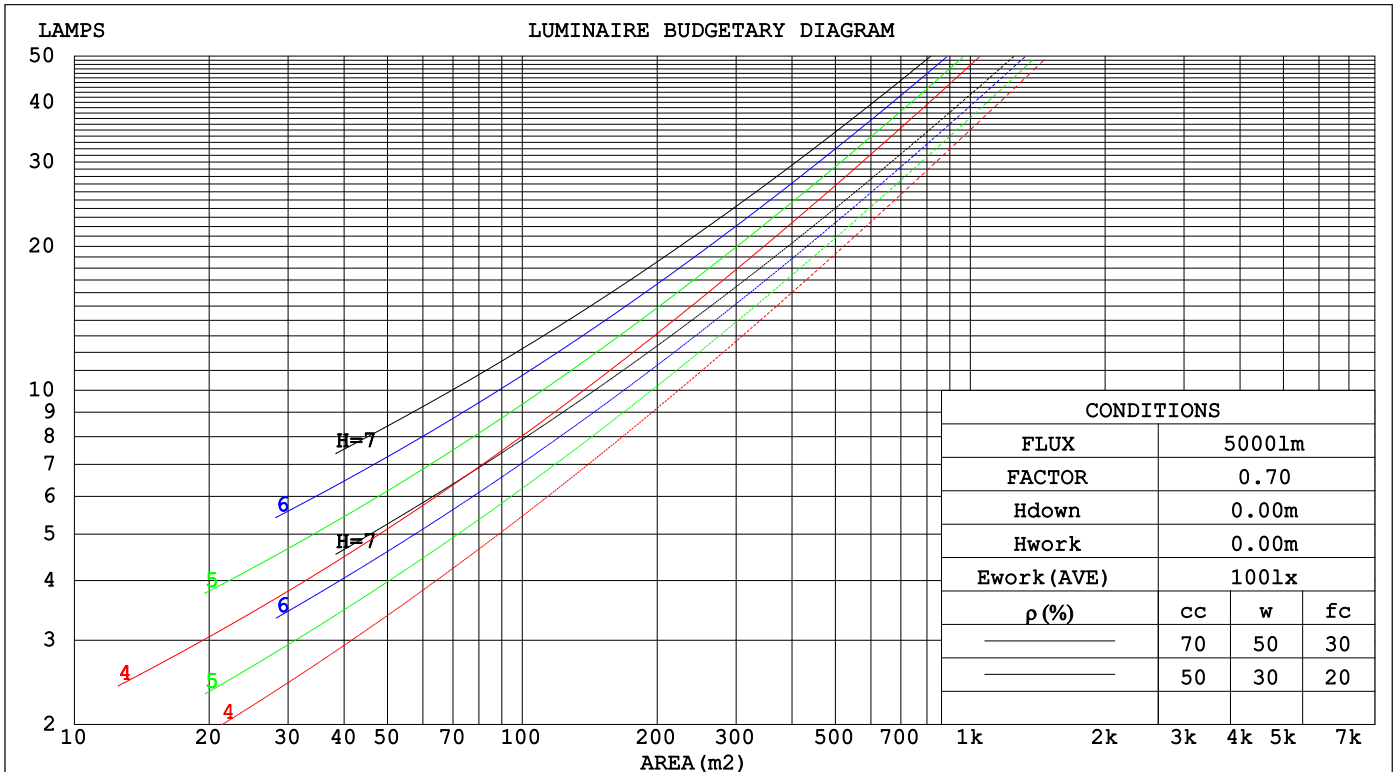
C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature: 24.5°C
 Operators: 张丁泯
 Test Date: 2025-12-04

γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
 Test System: EVERFINE GO-R5000_V2 SYSTEM V2.00.463
 Humidity: 65.0%
 Test Distance: 30.000m [K=0.9305]
 Remarks:

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:120.13V I:1.8743A P:224.13W PF:0.9954 Freq:60.00Hz		
Lamp Flux:573.024x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	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	1.08	1.08	1.08	.00	.00	.00	.84	.84	.84	.71	.71	.71	.58	.58	.58	.52
1.0	.88	.83	.78	.81	.76	.72	.68	.64	.61	.56	.53	.51	.45	.43	.41	.36
2.0	.75	.67	.61	.69	.62	.56	.58	.52	.48	.47	.43	.39	.37	.34	.32	.27
3.0	.65	.56	.49	.59	.52	.45	.50	.43	.38	.40	.36	.32	.32	.28	.25	.21
4.0	.57	.47	.40	.52	.44	.37	.43	.37	.32	.35	.30	.26	.28	.24	.21	.17
5.0	.50	.41	.34	.46	.38	.32	.38	.32	.27	.31	.26	.22	.25	.21	.18	.14
6.0	.44	.35	.29	.41	.33	.27	.34	.28	.23	.28	.23	.19	.22	.18	.15	.12
7.0	.40	.31	.25	.37	.29	.23	.31	.25	.20	.25	.20	.17	.20	.16	.13	.11
8.0	.36	.28	.22	.33	.26	.20	.28	.22	.17	.23	.18	.15	.19	.15	.12	.09
9.0	.33	.25	.19	.30	.23	.18	.26	.20	.15	.21	.16	.13	.17	.13	.10	.08
10.0	.30	.22	.17	.28	.21	.16	.24	.18	.14	.20	.15	.12	.16	.12	.09	.07



C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:24.5°C
 Operators:张丁泯
 Test Date:2025-12-04

γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
 Test System:EVERFINE GO-R5000_V2 SYSTEM V2.00.463
 Humidity:65.0%
 Test Distance:30.000m [K=0.9305]
 Remarks:

WEC AND CCEC

Test:U:120.13V I:1.8743A P:224.13W PF:0.9954 Freq:60.00Hz								
Lamp Flux:573.024x1 lm								
NAME:			TYPE:			WEIGHT:		
SPEC.:			DIM.:			SERIAL No.:		
MFR.:			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	.391	.222	.070	.369	.211	.067	.328	.188	.060	.291	.168	.054	.256	.149	.048	
2.0	.330	.181	.055	.310	.171	.053	.273	.152	.047	.239	.134	.042	.207	.117	.037	
3.0	.290	.154	.046	.272	.145	.044	.237	.129	.039	.206	.113	.035	.177	.098	.030	
4.0	.259	.135	.040	.242	.127	.038	.211	.112	.033	.182	.098	.030	.155	.084	.026	
5.0	.235	.119	.035	.219	.113	.033	.191	.099	.029	.164	.086	.026	.139	.074	.022	
6.0	.214	.107	.031	.200	.101	.029	.174	.089	.026	.149	.077	.023	.126	.066	.020	
7.0	.197	.098	.028	.184	.092	.026	.160	.081	.023	.137	.070	.020	.115	.060	.018	
8.0	.183	.089	.025	.171	.084	.024	.148	.074	.021	.127	.064	.019	.107	.055	.016	
9.0	.170	.082	.023	.159	.077	.022	.138	.068	.019	.118	.059	.017	.099	.050	.015	
10.0	.159	.076	.021	.149	.072	.020	.129	.063	.018	.110	.055	.016	.092	.047	.013	

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	.556	.556	.556	.475	.475	.475	.324	.324	.324	.186	.186	.186	.060	.060	.060	
1.0	.554	.524	.496	.474	.449	.427	.324	.309	.295	.187	.179	.172	.060	.058	.056	
2.0	.548	.502	.464	.469	.432	.401	.322	.299	.280	.185	.174	.164	.059	.056	.053	
3.0	.541	.487	.444	.464	.420	.385	.318	.292	.270	.184	.170	.159	.059	.055	.052	
4.0	.533	.475	.431	.458	.411	.374	.315	.286	.264	.182	.168	.156	.059	.055	.051	
5.0	.526	.466	.422	.452	.403	.367	.311	.282	.259	.180	.165	.154	.058	.054	.051	
6.0	.519	.459	.416	.446	.397	.362	.308	.278	.256	.179	.164	.152	.058	.053	.050	
7.0	.512	.453	.411	.441	.392	.358	.305	.275	.254	.177	.162	.151	.057	.053	.050	
8.0	.506	.448	.407	.436	.388	.355	.301	.273	.252	.175	.161	.150	.057	.053	.050	
9.0	.500	.443	.405	.431	.385	.353	.298	.270	.251	.174	.160	.149	.056	.052	.050	
10.0	.494	.439	.402	.426	.381	.351	.296	.268	.249	.172	.159	.149	.056	.052	.049	

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:24.5°C
 Operators:张丁浪
 Test Date:2025-12-04

γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
 Test System:EVERFINE GO-R5000_V2 SYSTEM V2.00.463
 Humidity:65.0%
 Test Distance:30.000m [K=0.9305]
 Remarks:

UGR(Unified Glare Rating) Table

Test:U:120.13V I:1.8743A P:224.13W PF:0.9954 Freq:60.00Hz										
Lamp Flux:573.024x1 lm										
NAME:			TYPE:			WEIGHT:				
SPEC.:			DIM.:			SERIAL No.:				
MFR.:			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	6.1	7.2	7.0	8.1	9.2	6.3	7.4	7.1	8.2	9.3
3H	9.2	10.2	10.1	11.1	12.2	9.5	10.5	10.4	11.4	12.5
4H	10.9	11.9	11.8	12.8	13.9	11.3	12.2	12.2	13.1	14.3
6H	12.9	13.7	13.8	14.6	15.8	13.2	14.1	14.1	15.0	16.1
8H	13.9	14.8	14.8	15.7	16.9	14.2	15.0	15.1	16.0	17.2
12H	15.1	15.9	16.0	16.9	18.1	15.4	16.2	16.3	17.1	18.3
4H 2H	7.1	8.0	8.0	8.9	10.1	7.2	8.1	8.1	9.0	10.2
3H	10.6	11.4	11.5	12.3	13.5	10.7	11.5	11.6	12.4	13.6
4H	12.5	13.3	13.5	14.2	15.4	12.7	13.4	13.6	14.4	15.6
6H	14.6	15.3	15.6	16.2	17.5	14.8	15.5	15.8	16.4	17.7
8H	15.8	16.4	16.7	17.3	18.6	16.0	16.6	16.9	17.6	18.8
12H	17.0	17.6	18.0	18.6	19.8	17.2	17.8	18.2	18.8	20.1
8H 4H	13.3	13.9	14.2	14.9	16.1	13.4	14.0	14.3	14.9	16.2
6H	15.8	16.3	16.8	17.3	18.6	15.8	16.4	16.8	17.4	18.7
8H	17.2	17.7	18.2	18.7	20.0	17.3	17.7	18.3	18.7	20.0
12H	18.7	19.1	19.7	20.2	21.5	18.8	19.2	19.8	20.3	21.6
12H 4H	13.5	14.0	14.5	15.0	16.3	13.6	14.2	14.6	15.1	16.4
6H	16.1	16.6	17.1	17.6	18.9	16.1	16.6	17.1	17.6	18.9
8H	17.7	18.1	18.7	19.1	20.4	17.7	18.1	18.7	19.1	20.4
Variations with the observer position at spacings(CIE Pub.117):										
S = 1.0H	+ 0.1 / - 0.1					+ 0.1 / - 0.1				
1.5H	+ 0.3 / - 0.3					+ 0.3 / - 0.3				
2.0H	+ 0.4 / - 0.4					+ 0.4 / - 0.5				

CIE Pub.117, 573.0 lm Total Lamp Luminous Flux Corrected (8log(F/F0) = -1.9)
 Area: 0.7775 m2

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:24.5°C
 Operators:张丁浪
 Test Date:2025-12-04

γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
 Test System:EVERFINE GO-R5000_V2 SYSTEM V2.00.463
 Humidity:65.0%
 Test Distance:30.000m [K=0.9305]
 Remarks:

UTILIZATION FACTORS TABLE

Test:U:120.13V I:1.8743A P:224.13W PF:0.9954 Freq:60.00Hz Lamp Flux:573.024x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

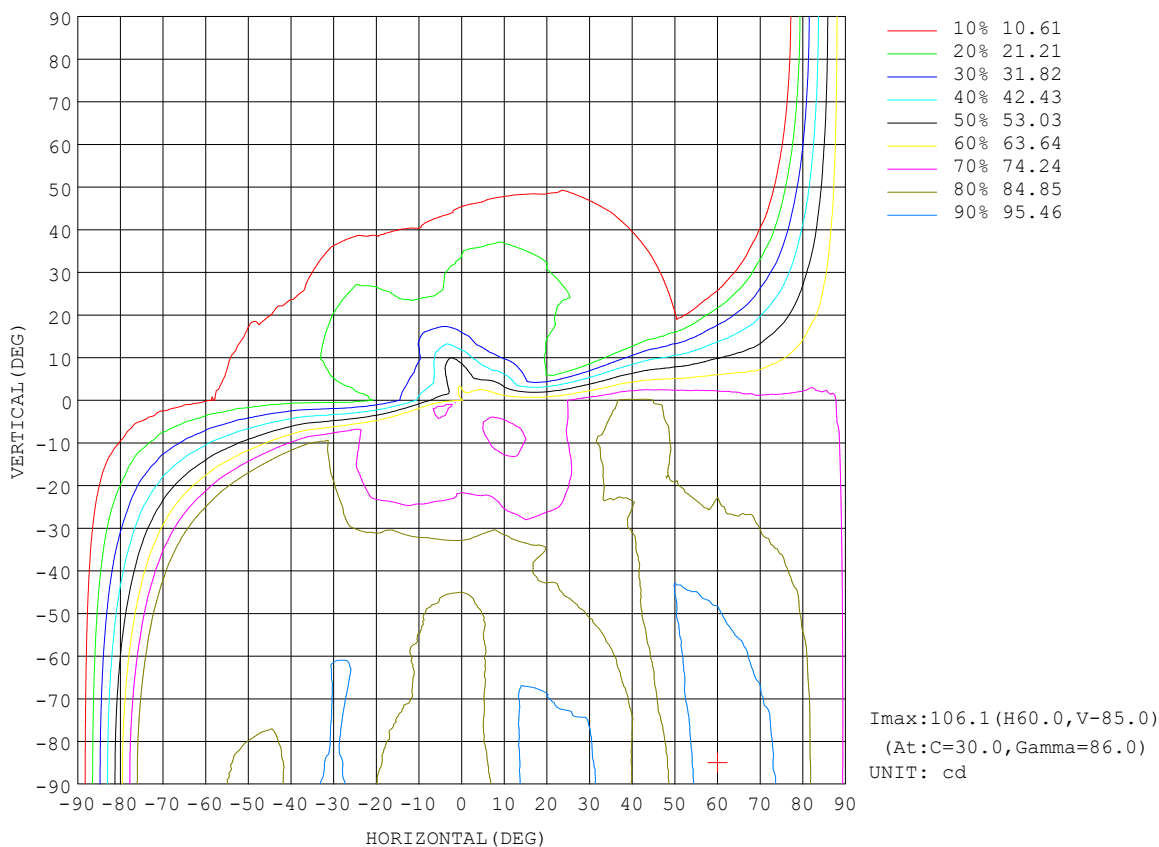
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS (PERCENT) k(RI) x RCR = 5									
k = 0.60	38	26	19	36	25	18	33	23	17	10
0.80	47	33	25	44	32	24	39	29	22	13
1.00	54	40	32	51	38	30	44	36	27	16
1.25	61	47	38	57	45	36	49	39	33	19
1.50	66	53	44	61	50	41	53	44	37	22
2.00	74	61	52	68	57	49	59	50	43	26
2.50	78	67	58	73	63	55	62	54	48	28
3.00	82	72	64	76	67	60	65	58	52	31
4.00	87	78	71	81	73	66	69	63	57	34
5.00	91	83	76	84	77	71	71	66	61	36
ROOM INDEX	UF(total)									Direct
According to DIN EN 13032-2 2004			Suspended				SHRNOM = 1.25			

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:24.5°C
 Operators:张丁浪
 Test Date:2025-12-04

γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
 Test System:EVERFINE GO-R5000_V2 SYSTEM V2.00.463
 Humidity:65.0%
 Test Distance:30.000m [K=0.9305]
 Remarks:

ISOCANDELA DIAGRAM

Test:U:120.13V I:1.8743A P:224.13W PF:0.9954 Freq:60.00Hz Lamp Flux:573.024x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:



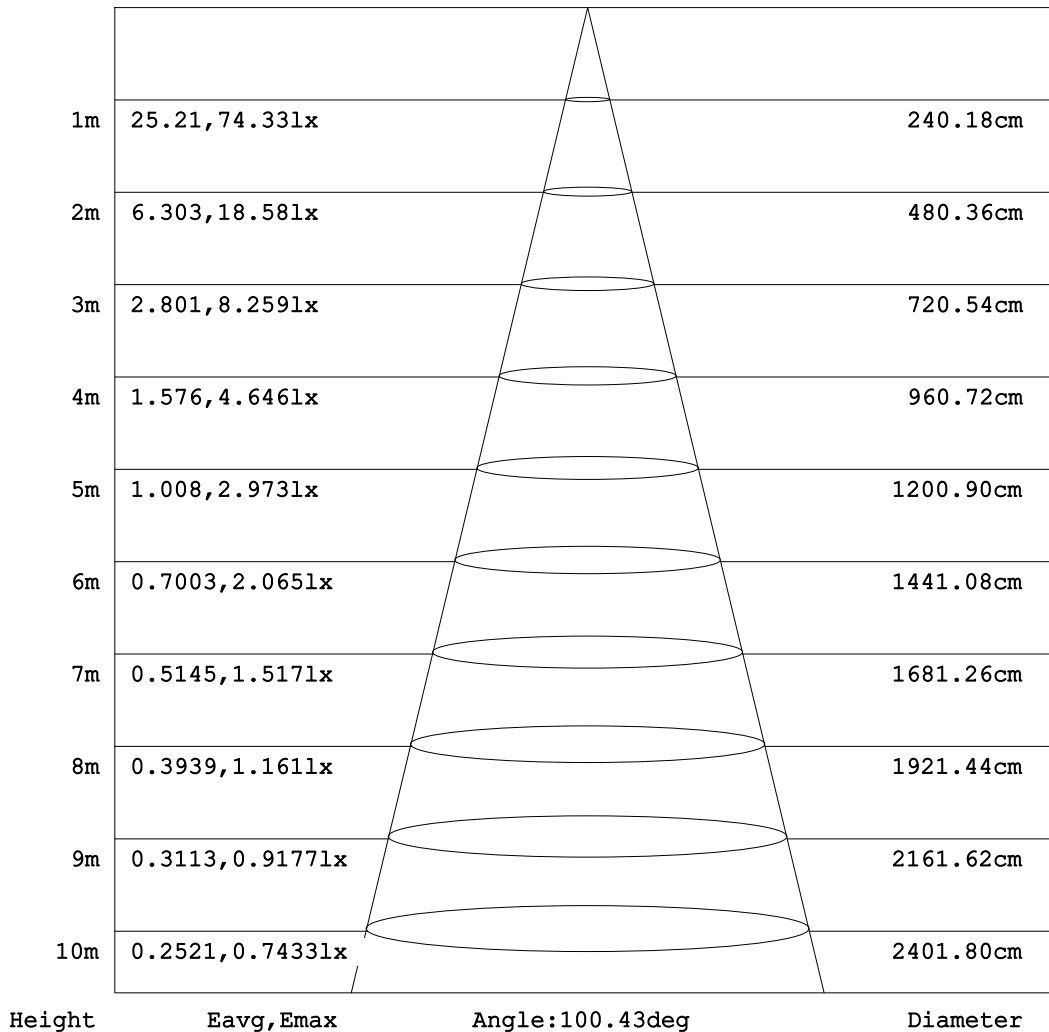
C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:24.5°C
Operators:张丁浪
Test Date:2025-12-04

γ Range: 0 - 180DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-R5000_V2 SYSTEM V2.00.463
Humidity:65.0%
Test Distance:30.000m [K=0.9305]
Remarks:

AAI Figure

Test:U:120.13V I:1.8743A P:224.13W PF:0.9954 Freq:60.00Hz Lamp Flux:573.024x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

Flux out:116.6 lm



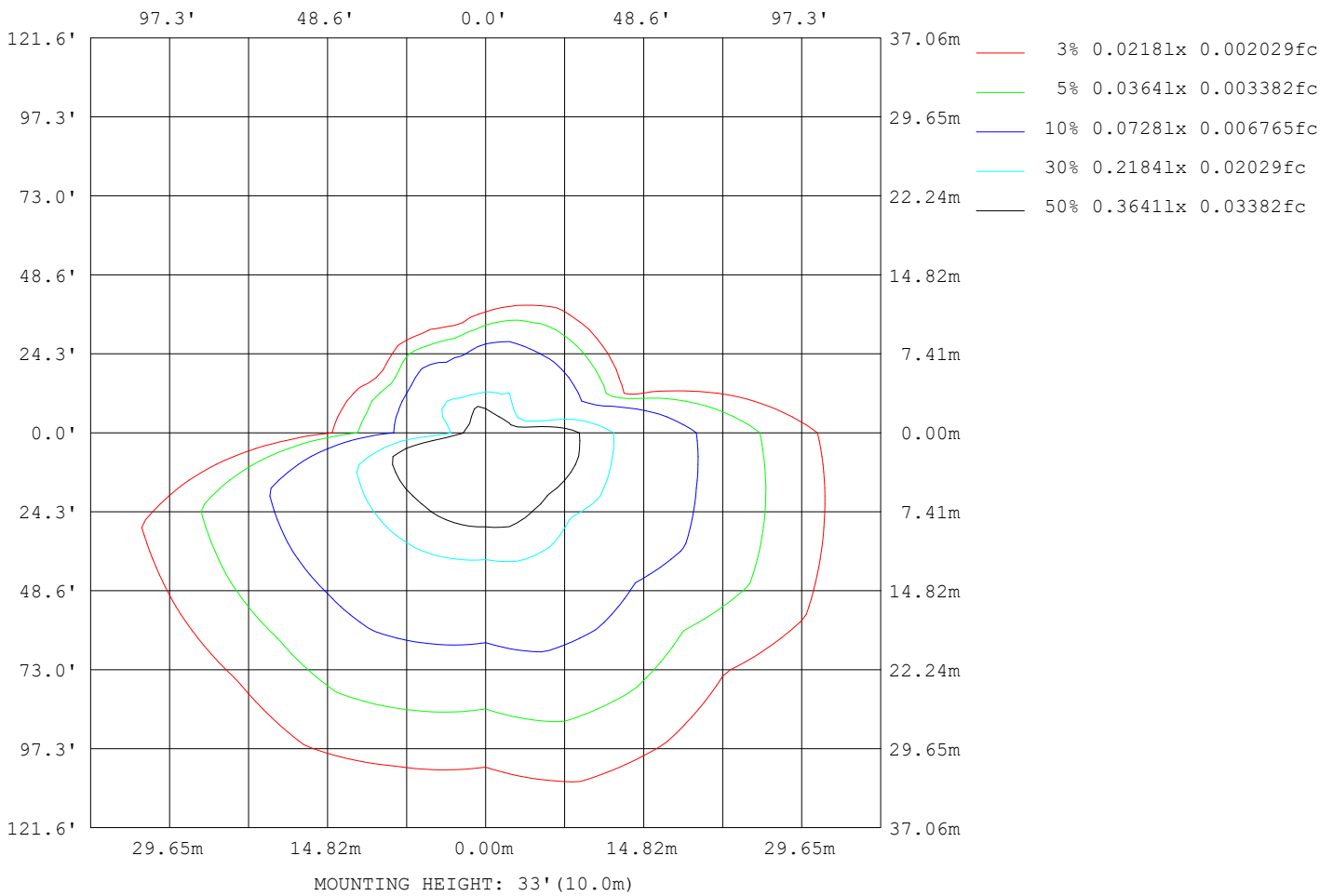
Note: The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature: 24.5°C
 Operators: 张丁泯
 Test Date: 2025-12-04

γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
 Test System: EVERFINE GO-R5000_V2 SYSTEM V2.00.463
 Humidity: 65.0%
 Test Distance: 30.000m [K=0.9305]
 Remarks:

ISOLUX DIAGRAM

Test:U:120.13V I:1.8743A P:224.13W PF:0.9954 Freq:60.00Hz Lamp Flux:573.024x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:



C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature: 24.5°C
 Operators: 张丁泯
 Test Date: 2025-12-04

γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
 Test System: EVERFINE GO-R5000_V2 SYSTEM V2.00.463
 Humidity: 65.0%
 Test Distance: 30.000m [K=0.9305]
 Remarks:

LED Avg.L Report

Test:U:120.13V I:1.8743A P:224.13W PF:0.9954 Freq:60.00Hz Lamp Flux:573.024x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

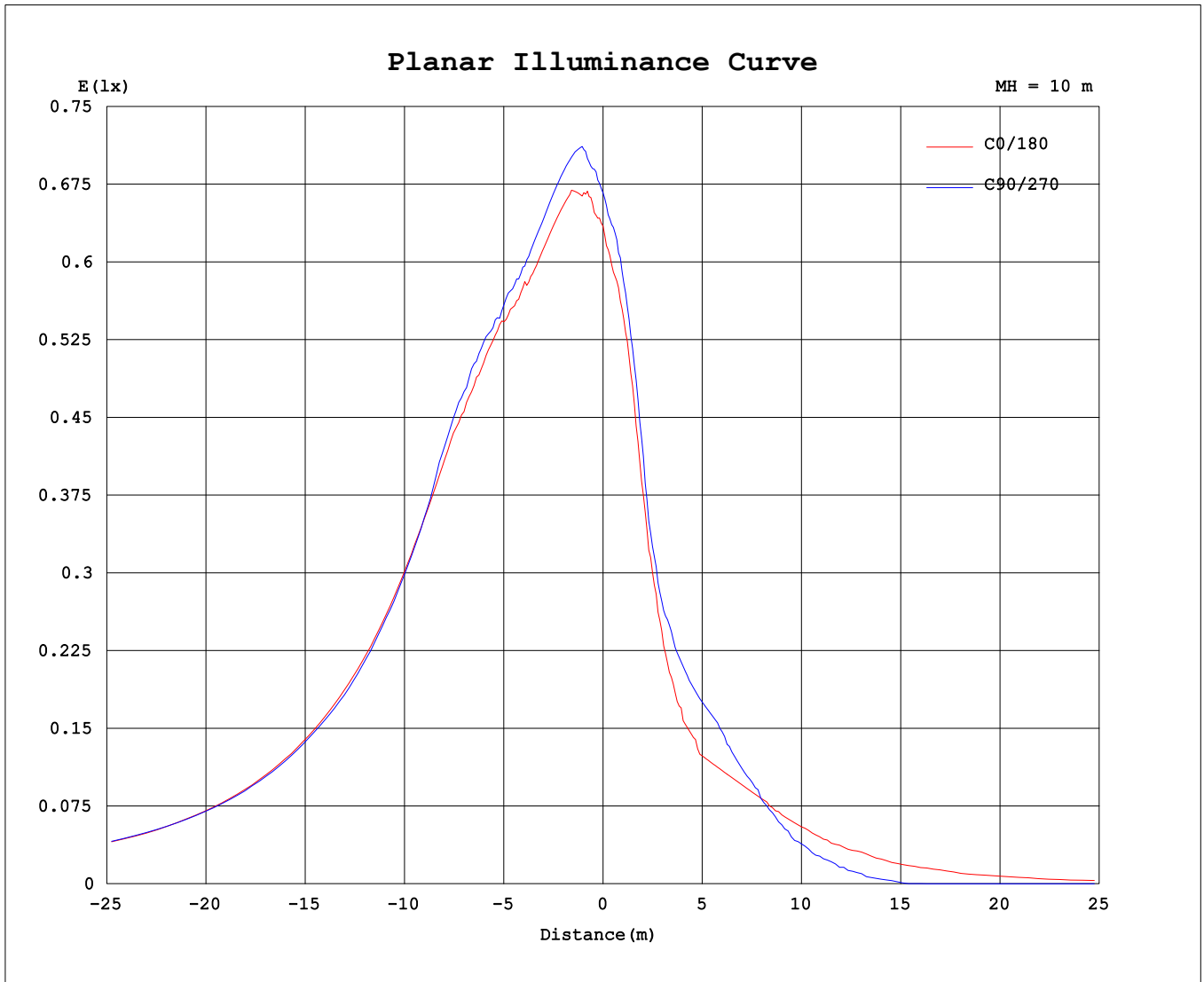
AvgL	cd/m2
L_0~180 (65) av	131
L_0~180 (75) av	197
L_0~180 (85) av	554
L_90~270 (65) av	119
L_90~270 (75) av	194
L_90~270 (85) av	562
L_45 (65) av	136
L_45 (75) av	209
L_45 (85) av	595

Standard: GB/T 29293-2012

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:24.5℃
Operators:张丁泯
Test Date:2025-12-04

γ Range: 0 - 180DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-R5000_V2 SYSTEM V2.00.463
Humidity:65.0%
Test Distance:30.000m [K=0.9305]
Remarks:

Planar Illuminance Curve



C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature: 24.5°C
Operators: 张丁泯
Test Date: 2025-12-04

γ Range: 0 - 180DEG
γ Interval: 0.5DEG
Test System: EVERFINE GO-R5000_V2 SYSTEM V2.00.463
Humidity: 65.0%
Test Distance: 30.000m [K=0.9305]
Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:120.13V I:1.8743A P:224.13W PF:0.9954 Freq:60.00Hz		
Lamp Flux:573.024x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

Table--1

UNIT: cd

C (DEG) \ γ (DEG)	0	15	30	45	60	75	90	105	120	135	150	165	180	195	210	225	240	255	270
0	63.4	62.3	60.8	62.3	66.3	66.8	66.6	67.5	67.8	69.9	73.2	74.3	63.4	62.3	60.8	62.3	66.3	66.8	66.6
5	67.3	69.5	71.7	72.3	72.2	71.3	71.5	72.4	73.0	74.2	74.6	74.7	56.9	52.0	48.6	51.6	57.4	62.1	61.1
10	69.3	72.0	75.3	75.7	73.4	73.0	72.8	72.7	72.9	73.3	71.8	71.5	44.7	40.0	37.0	39.8	48.1	54.3	48.9
15	69.6	71.6	75.5	76.1	72.7	73.0	72.9	71.8	71.0	69.0	67.5	69.3	31.0	29.5	29.8	30.3	36.7	38.9	34.0
20	70.6	70.8	73.3	73.2	70.4	73.0	73.7	72.0	66.5	65.1	67.2	70.6	22.2	28.0	29.4	29.5	29.1	27.5	27.5
25	74.5	73.8	72.2	70.4	69.6	76.7	76.9	74.9	70.5	67.6	69.8	75.2	18.7	27.1	29.8	28.6	22.4	21.0	24.9
30	79.3	79.7	74.0	70.5	72.7	82.7	81.7	81.4	77.9	73.2	75.9	81.9	17.3	24.3	27.8	25.8	18.9	18.3	23.9
35	82.9	87.9	79.0	75.5	80.0	90.1	86.4	86.4	85.3	79.2	84.7	88.4	17.4	20.3	22.4	21.6	15.8	15.9	20.3
40	85.8	89.7	85.5	79.3	85.2	92.0	87.9	88.2	88.4	85.7	90.6	91.6	16.7	16.7	15.4	16.8	13.2	12.3	15.9
45	85.2	87.2	84.8	74.6	83.4	89.1	84.4	86.8	89.2	90.9	91.7	91.2	15.6	13.7	9.39	11.9	8.88	7.87	10.9
50	83.5	85.7	86.5	74.7	86.2	89.1	82.0	86.0	91.1	93.4	93.6	91.2	14.0	10.7	6.04	7.04	5.69	3.37	6.03
55	82.0	84.6	89.6	77.7	89.2	90.4	80.6	85.8	92.6	94.0	94.2	91.7	11.9	9.04	3.55	2.68	2.11	0.67	1.98
60	80.4	84.7	93.7	79.5	91.1	92.8	79.2	85.5	93.8	93.8	94.3	92.1	9.88	7.70	2.63	0.90	0.34	0.00	0.00
65	78.4	85.7	97.4	80.2	93.4	94.7	78.2	86.0	95.9	93.2	94.4	92.4	7.69	5.45	1.01	0.17	0.00	0.00	0.00
70	76.5	88.4	100	80.6	94.1	96.4	78.2	86.4	96.4	90.6	93.3	93.0	5.19	3.52	0.72	0.00	0.00	0.00	0.00
75	76.3	89.4	103	80.9	95.1	96.8	78.3	84.2	96.4	87.6	91.5	92.4	2.97	2.27	0.50	0.00	0.00	0.00	0.00
80	76.3	91.2	105	80.4	96.3	97.3	77.6	82.3	96.4	85.0	89.9	92.0	0.49	1.38	0.00	0.00	0.00	0.00	0.00
85	75.1	93.5	106	79.2	96.7	97.4	76.2	80.7	97.6	82.2	87.8	91.5	0.00	0.31	0.00	0.00	0.00	0.00	0.00
90	73.3	94.1	106	78.6	97.1	97.2	74.3	77.8	99.0	81.2	86.9	91.2	0.00	0.00	0.00	0.00	0.00	0.00	0.00
95	71.5	94.7	104	78.9	97.0	97.1	71.8	75.8	98.9	81.3	87.5	90.1	0.00	0.00	0.00	0.00	0.00	0.00	0.00
100	69.6	95.4	104	81.4	96.8	95.6	69.8	74.3	96.9	81.5	88.3	89.9	0.00	0.00	0.00	0.00	0.00	0.00	0.00
105	67.0	95.8	104	83.5	95.5	94.6	67.8	72.6	95.4	82.7	88.5	90.0	0.00	0.00	0.00	0.00	0.17	0.88	1.51
110	64.3	95.4	102	86.1	93.6	92.9	66.8	72.2	93.9	83.4	88.9	89.6	0.00	0.00	0.00	0.50	1.34	2.01	2.53
115	61.3	94.6	100	86.7	91.4	91.2	63.1	70.9	91.7	83.3	88.9	88.1	0.00	0.00	0.83	1.51	3.17	4.34	1.24
120	62.2	94.4	100	88.2	90.6	90.6	65.0	72.0	90.6	81.5	89.1	87.4	0.00	0.51	3.53	3.83	5.05	6.26	3.51
125	68.3	94.4	100	87.2	91.1	92.9	73.1	76.5	90.9	86.7	92.2	88.9	2.35	3.74	7.69	6.23	8.03	8.53	8.71
130	74.2	94.8	101	86.9	91.6	94.9	78.5	79.9	91.6	89.2	94.2	90.1	6.70	8.38	13.7	11.5	11.7	11.1	11.4
135	78.2	95.2	100	86.5	90.6	96.3	81.9	83.4	91.6	89.6	94.9	91.1	11.7	13.9	21.1	16.7	16.6	13.9	13.1
140	80.2	94.9	100	85.2	87.9	94.3	81.2	85.6	89.2	84.8	95.1	92.1	16.9	20.1	27.1	21.3	23.1	15.7	14.2
145	80.4	89.1	94.6	80.4	82.4	87.4	77.5	82.7	79.0	70.4	80.4	86.8	16.6	24.4	31.5	25.4	29.0	20.9	14.8
150	75.2	83.9	85.9	71.0	72.9	79.1	75.2	69.3	64.3	53.9	63.6	70.5	14.4	26.1	29.6	24.3	25.5	26.3	16.4
155	62.3	61.3	67.9	60.8	57.4	60.0	57.5	57.7	49.3	43.3	52.2	60.6	11.7	14.2	18.4	16.6	14.4	15.8	5.35
160	44.9	45.9	52.0	58.7	50.8	45.5	42.0	39.4	42.2	39.2	46.4	53.2	8.20	9.66	13.4	13.4	9.95	2.68	0.00
165	41.6	42.7	42.5	40.2	37.8	38.5	37.7	33.6	31.8	31.7	34.8	41.6	11.6	11.3	14.7	11.0	5.19	1.08	1.84
170	26.3	26.2	20.5	18.5	18.6	19.8	20.2	17.1	14.0	13.1	17.6	21.9	7.87	8.03	6.41	2.15	0.01	0.00	1.61
175	4.45	4.51	6.52	8.19	9.48	8.66	7.54	4.66	3.33	4.02	4.83	5.64	0.33	0.00	0.00	0.00	0.00	0.00	0.00
180	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:24.5°C
 Operators:张丁泯
 Test Date:2025-12-04

γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
 Test System:EVERFINE GO-R5000_V2 SYSTEM V2.00.463
 Humidity:65.0%
 Test Distance:30.000m [K=0.9305]
 Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:120.13V I:1.8743A P:224.13W PF:0.9954 Freq:60.00Hz Lamp Flux:573.024x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

Table--2

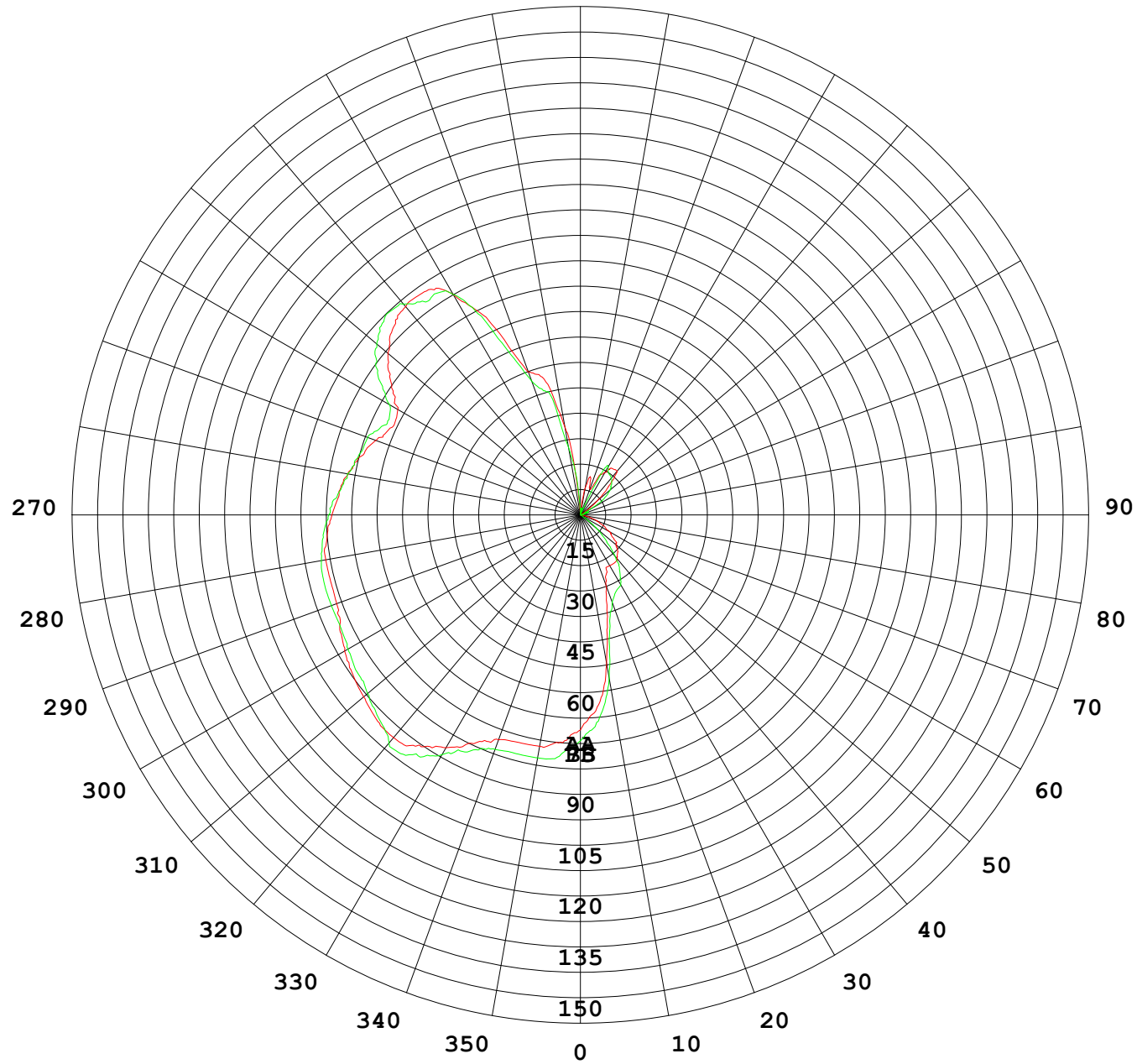
UNIT: cd

C (DEG) γ (DEG)	285	300	315	330	345														
0	67.5	67.8	69.9	73.2	74.3														
5	57.1	55.0	57.1	64.0	67.7														
10	43.0	40.7	42.4	48.5	56.2														
15	29.5	28.0	29.5	32.6	35.7														
20	27.3	27.3	26.8	23.9	21.9														
25	27.2	28.3	24.8	19.6	18.4														
30	26.6	26.6	21.9	19.6	18.2														
35	24.0	23.3	21.5	19.5	19.7														
40	19.1	18.9	19.1	19.4	19.8														
45	13.4	15.1	16.6	17.4	18.8														
50	9.59	12.6	13.4	13.6	13.9														
55	6.04	9.88	9.91	9.89	9.56														
60	2.54	6.70	7.97	7.70	8.21														
65	0.17	3.68	4.86	5.02	5.35														
70	0.00	0.69	2.85	3.32	3.52														
75	0.00	0.00	0.16	0.98	2.03														
80	0.00	0.00	0.00	0.00	0.17														
85	0.00	0.00	0.00	0.00	0.00														
90	0.00	0.00	0.00	0.00	0.00														
95	0.00	0.00	0.00	0.00	0.00														
100	0.17	0.00	0.00	0.00	0.00														
105	1.65	0.67	0.00	0.00	0.00														
110	3.70	2.50	0.00	0.00	0.00														
115	6.02	4.69	0.00	0.50	0.00														
120	8.04	6.87	0.87	2.68	0.32														
125	10.9	9.71	1.68	6.34	3.85														
130	12.7	12.0	3.18	11.2	9.19														
135	15.1	14.1	5.29	17.1	15.7														
140	16.0	15.4	8.52	23.1	21.9														
145	15.9	14.2	9.86	24.8	25.6														
150	8.41	8.38	10.1	18.1	21.1														
155	3.85	6.71	9.88	11.6	15.7														
160	1.99	8.87	11.4	10.9	12.2														
165	6.67	11.1	11.3	7.55	4.93														
170	6.19	7.55	4.54	0.33	0.00														
175	0.10	0.00	0.00	0.00	0.00														
180	0.00	0.00	0.00	0.00	0.00														

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:24.5°C
 Operators:张丁泯
 Test Date:2025-12-04

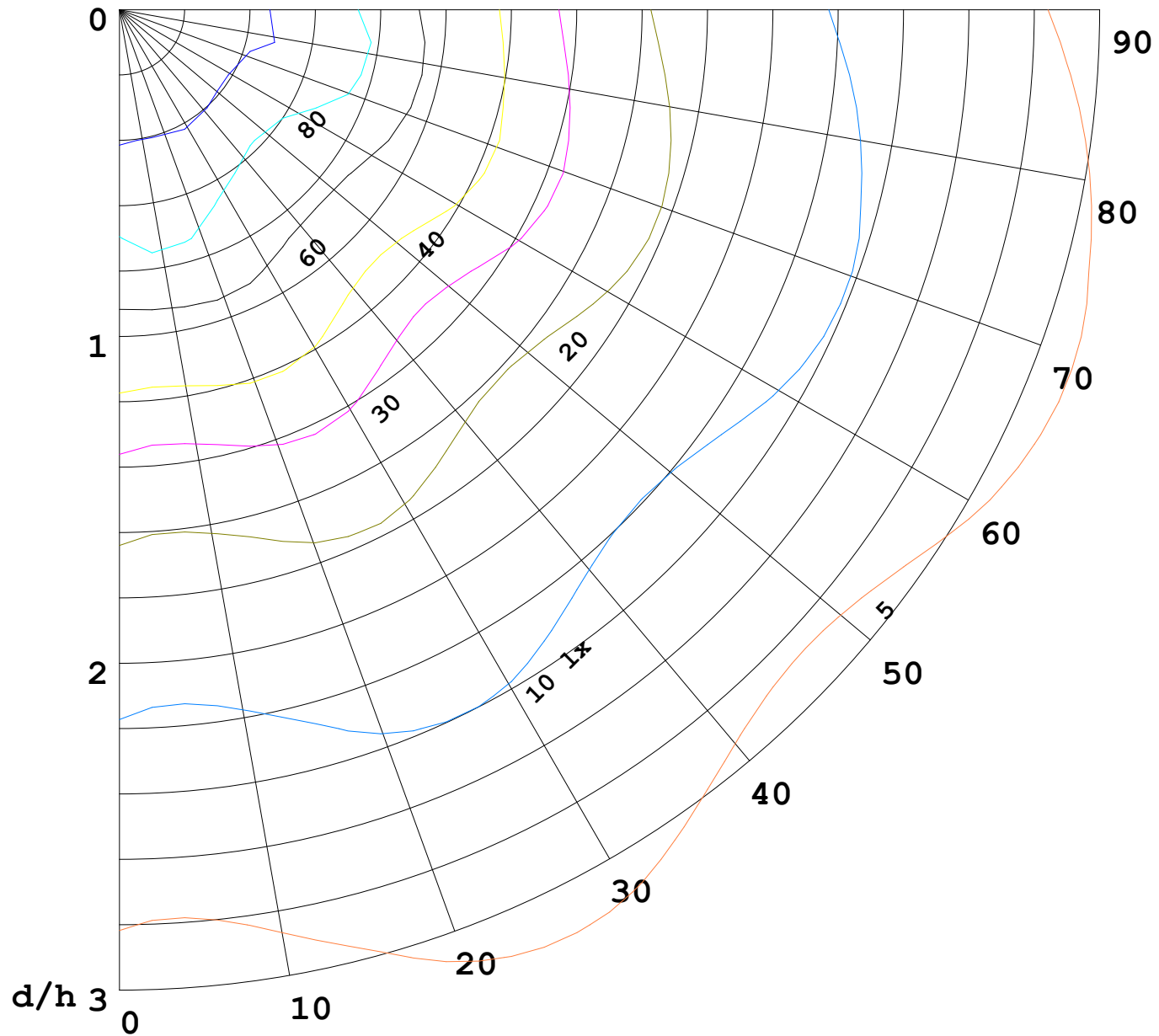
γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
 Test System:EVERFINE GO-R5000_V2 SYSTEM V2.00.463
 Humidity:65.0%
 Test Distance:30.000m [K=0.9305]
 Remarks:

I (cd)



1000 lm

$\kappa = 1$



F = 5000 lm
 K = 0.7
 Hcc = 0.0 m
 Hfc = 0.0 m
 Eave = 100 lx

	Pcc	Pw	Pfc
—————	70	50	30
—————	50	30	20

