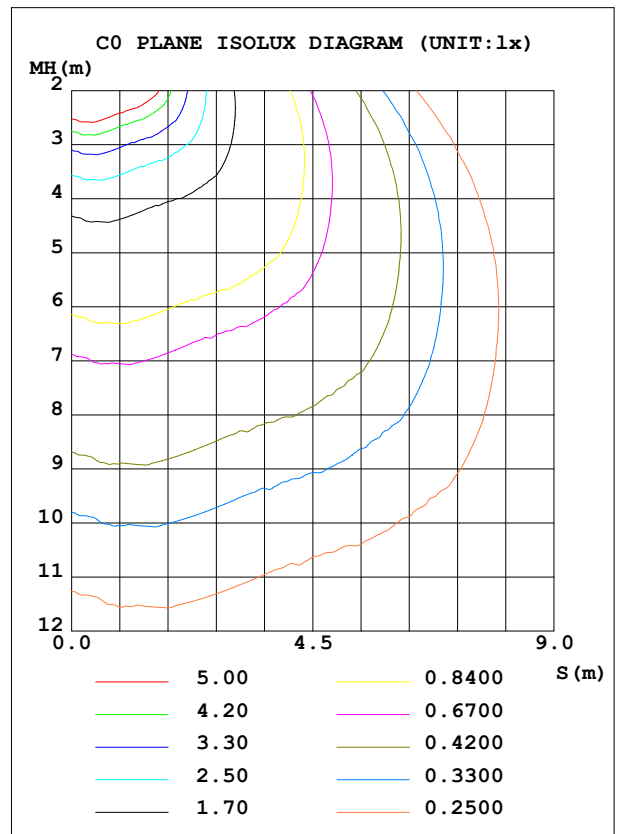
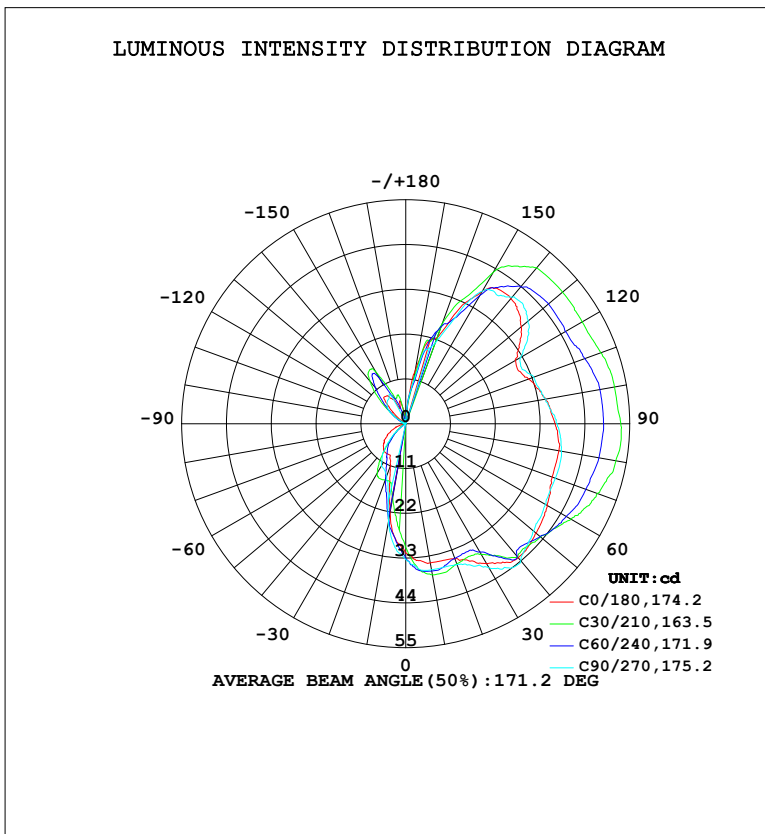


LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:120.21V I:0.9403A P:112.53W PF:0.9955 Freq:60.01Hz Lamp Flux:286.513x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA			
MODEL	HF7155-BK-SMK	Imax (cd)	53.03	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)	286.51	$\eta$ UP, DN (C0-180)	44.4, 47.0
NOMINAL FLUX (lm)	286.513	CIE CLASS	DIFFUSE	$\eta$ UP, DN (C180-360)	3.5, 5.0
LAMPS INSIDE	1	$\eta$ up (%)	47.9	CIBSE SHR NOM	1.00
TEST VOLTAGE (V)	120	$\eta$ down (%)	52.1	CIBSE SHR MAX	1.10



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

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  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:

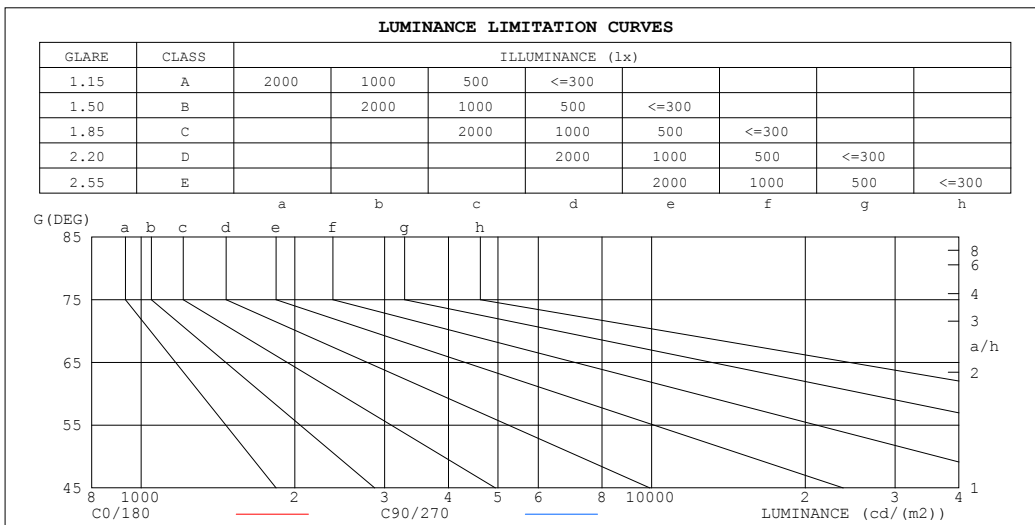
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum, lamp
10	34.67	37.84	36.42	36.66	22.33	19.91	24.46	21.20	0- 10	3.000	3.000	1.05,1.05
20	35.32	36.59	36.83	32.55	11.11	14.77	13.73	13.41	10- 20	7.367	10.37	3.62,3.62
30	39.67	35.23	40.86	36.60	8.659	12.89	11.97	10.88	20- 30	11.29	21.65	7.56,7.56
40	42.94	39.67	43.94	42.86	8.371	8.378	7.949	9.543	30- 40	16.27	37.93	13.2,13.2
50	41.77	37.33	41.02	46.72	7.022	3.520	3.015	6.697	40- 50	19.34	57.26	20,20
60	40.18	39.76	39.59	46.91	4.938	0.4508	0	3.984	50- 60	21.14	78.40	27.4,27.4
70	38.27	40.28	39.11	45.28	2.596	0	0	1.423	60- 70	22.81	101.2	35.3,35.3
80	38.16	40.18	38.82	42.52	0.2457	0	0	0	70- 80	23.84	125.1	43.6,43.6
90	36.67	39.28	37.17	40.61	0	0	0	0	80- 90	24.18	149.2	52.1,52.1
100	34.82	40.72	34.91	40.77	0	0	0	0	90-100	23.85	173.1	60.4,60.4
110	32.15	43.03	33.42	41.77	0	0.2518	1.263	0	100-110	22.97	196.1	68.4,68.4
120	31.12	44.12	32.49	40.73	0	1.913	1.757	0.4368	110-120	21.48	217.5	75.9,75.9
130	37.08	43.44	39.26	44.62	3.348	5.762	5.724	1.590	120-130	20.92	238.5	83.2,83.2
140	40.10	42.61	40.60	42.42	8.454	10.63	7.110	4.261	130-140	20.13	258.6	90.3,90.3
150	37.61	35.52	37.58	26.93	7.199	12.13	8.202	5.074	140-150	16.14	274.7	95.9,95.9
160	22.45	29.37	21.00	19.58	4.102	6.696	0	5.775	150-160	8.347	283.1	98.8,98.8
170	13.16	9.228	10.12	6.525	3.934	1.077	0.8035	2.271	160-170	3.134	286.2	99.9,99.9
180	0	0	0	0	0	0	0	0	170-180	0.2961	286.5	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature:24.5°C  
 Operators:Dingmin Zhang  
 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:120.21V I:0.9403A P:112.53W PF:0.9955 Freq:60.01Hz Lamp Flux:286.513x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:



LUMINANCE cd/(m2)		
G (DEG)	C0/180	C90/270
85	554	562
80	283	287
75	190	194
70	144	147
65	119	119
60	103	102
55	92	90
50	84	82
45	77	77

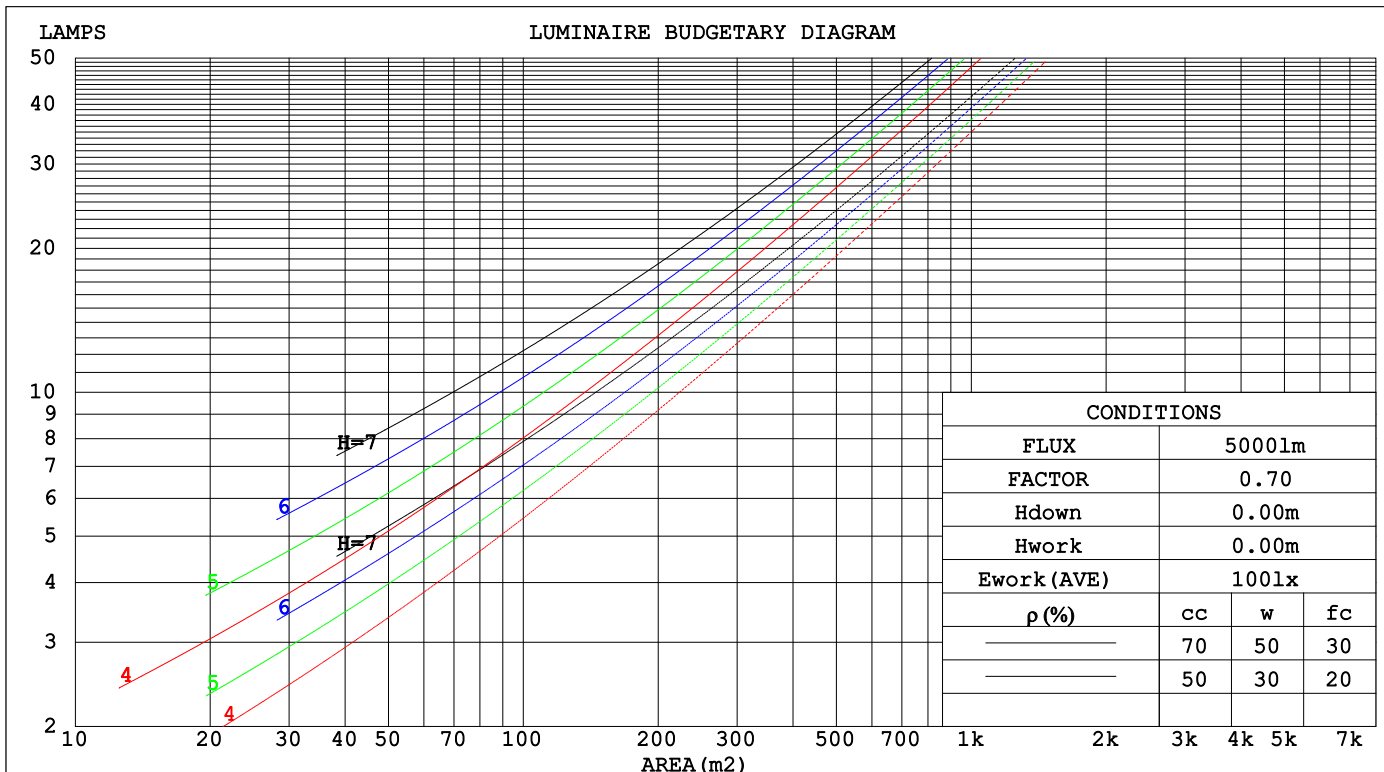
C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature: 24.5°C  
 Operators: Dingmin Zhang  
 Test Date: 2025-12-04

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:120.21V I:0.9403A P:112.53W PF:0.9955 Freq:60.01Hz		
Lamp Flux:286.513x1 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
pf <sub>c</sub>	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:Dingmin Zhang  
 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:120.21V I:0.9403A P:112.53W PF:0.9955 Freq:60.01Hz								
Lamp Flux:286.513x1 lm								
NAME:			TYPE:			WEIGHT:		
SPEC.:			DIM.:			SERIAL No.:		
MFR.:			SUR.:			Shielding Angle:		

$\rho_{cc}$	80%			70%			50%			30%			10%			0
$\rho_w$	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
$\rho_{fc}$	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	

$\rho_{cc}$	80%			70%			50%			30%			10%			0
$\rho_w$	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
$\rho_{fc}$	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:Dingmin Zhang  
 Test Date:2025-12-04

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  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:120.21V I:0.9403A P:112.53W PF:0.9955 Freq:60.01Hz										
Lamp Flux:286.513x1 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	3.7	4.8	4.6	5.7	6.8	3.9	5.0	4.7	5.8	6.9
3H	6.8	7.8	7.7	8.7	9.8	7.1	8.1	8.0	9.0	10.1
4H	8.5	9.5	9.4	10.4	11.5	8.9	9.8	9.8	10.7	11.9
6H	10.5	11.3	11.4	12.2	13.4	10.8	11.6	11.7	12.6	13.7
8H	11.5	12.4	12.4	13.3	14.5	11.8	12.6	12.7	13.6	14.8
12H	12.7	13.5	13.6	14.4	15.6	13.0	13.8	13.9	14.7	15.9
4H 2H	4.7	5.6	5.6	6.5	7.7	4.8	5.7	5.7	6.6	7.8
3H	8.2	9.0	9.1	9.9	11.1	8.3	9.1	9.2	10.0	11.2
4H	10.1	10.8	11.0	11.8	13.0	10.3	11.0	11.2	11.9	13.2
6H	12.2	12.9	13.2	13.8	15.1	12.4	13.1	13.4	14.0	15.3
8H	13.3	14.0	14.3	14.9	16.2	13.6	14.2	14.5	15.2	16.4
12H	14.6	15.2	15.6	16.2	17.4	14.8	15.4	15.8	16.4	17.7
8H 4H	10.9	11.5	11.8	12.4	13.7	10.9	11.6	11.9	12.5	13.8
6H	13.4	13.9	14.4	14.9	16.2	13.4	14.0	14.4	15.0	16.2
8H	14.8	15.3	15.8	16.3	17.6	14.9	15.3	15.8	16.3	17.6
12H	16.3	16.7	17.3	17.7	19.1	16.4	16.8	17.4	17.8	19.2
12H 4H	11.1	11.6	12.0	12.6	13.9	11.2	11.8	12.2	12.7	14.0
6H	13.7	14.1	14.7	15.1	16.5	13.7	14.2	14.7	15.2	16.5
8H	15.2	15.7	16.3	16.7	18.0	15.3	15.7	16.3	16.7	18.0
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, 286.5 lm Total Lamp Luminous Flux Corrected (8log(F/F0) = -4.3)  
 Area: 0.7775 m2

C Range: 0 - 360DEG	γ Range: 0 - 180DEG
C Interval: 15.0DEG	γ Interval: 0.5DEG
Test Speed: HIGH	Test System:EVERFINE GO-R5000_V2 SYSTEM V2.00.463
Temperature:24.5°C	Humidity:65.0%
Operators:Dingmin Zhang	Test Distance:30.000m [K=0.9305]
Test Date:2025-12-04	Remarks:

UTILIZATION FACTORS TABLE

Test:U:120.21V I:0.9403A P:112.53W PF:0.9955 Freq:60.01Hz Lamp Flux:286.513x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

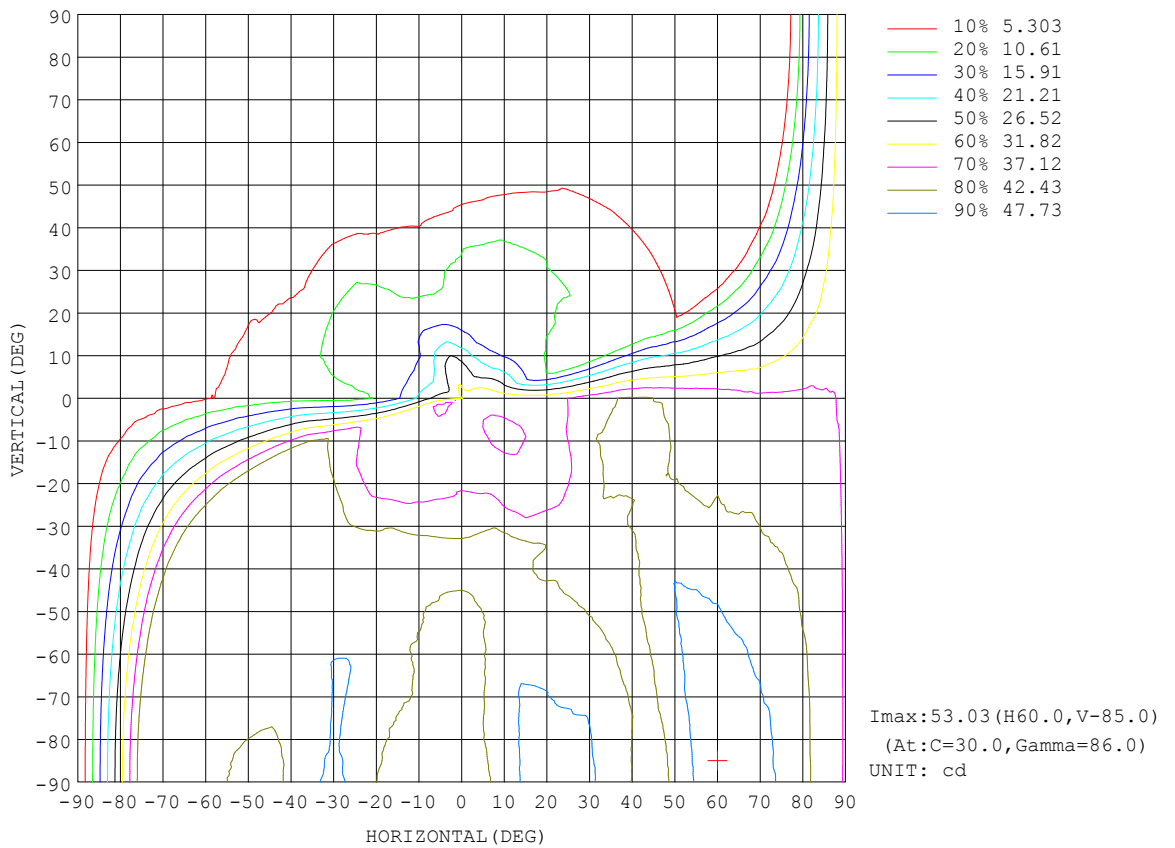
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS (PERCENT) k(RI) x RCR = 5									
k = 0.60	38	26	19	36	25	18	33	23	17	10
0.80	47	33	25	44	32	24	39	29	22	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:Dingmin Zhang  
 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:120.21V I:0.9403A P:112.53W PF:0.9955 Freq:60.01Hz Lamp Flux:286.513x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:



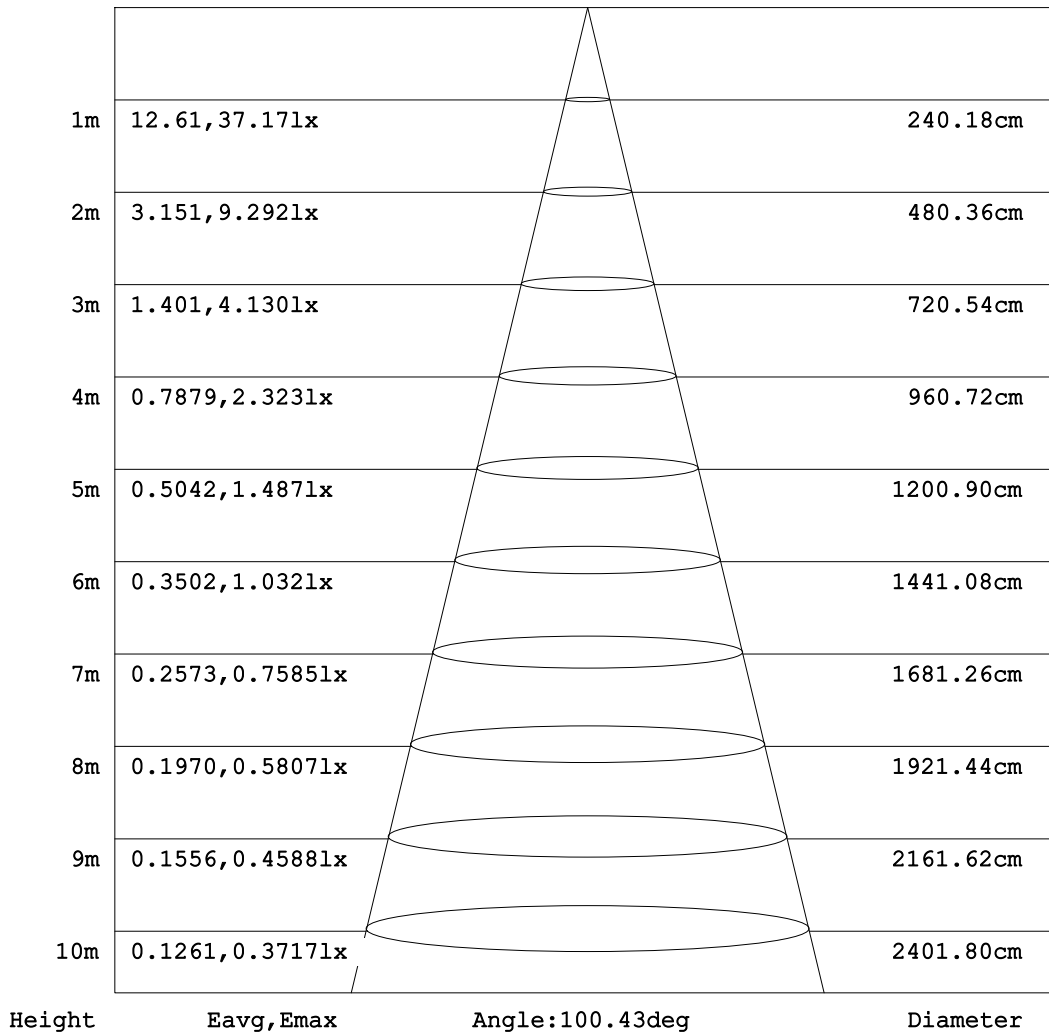
C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:24.5°C  
Operators:Dingmin Zhang  
Test Date:2025-12-04

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:120.21V I:0.9403A P:112.53W PF:0.9955 Freq:60.01Hz Lamp Flux:286.513x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

Flux out:58.28 lm



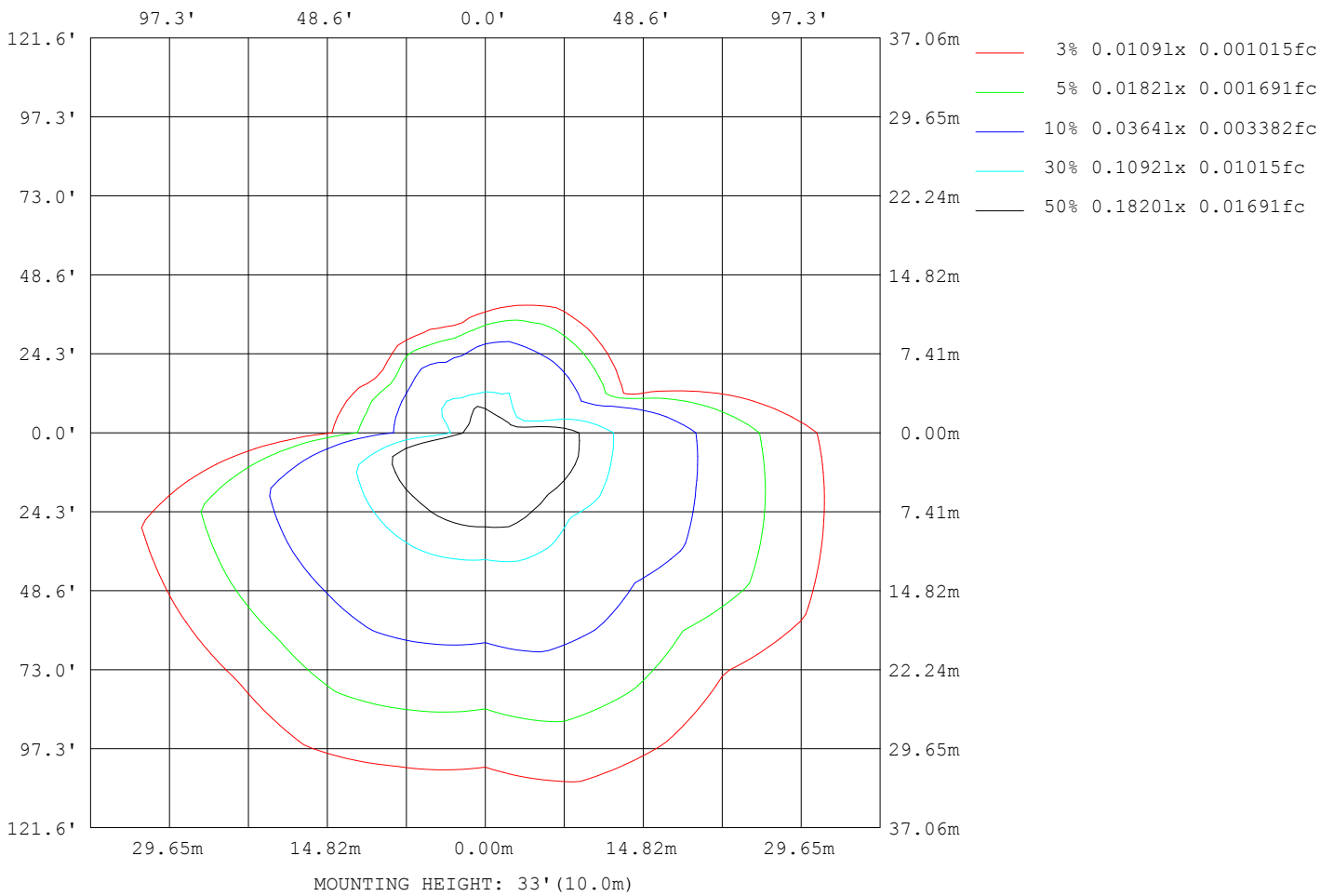
Note: The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature: 24.5°C  
 Operators: Dingmin Zhang  
 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:120.21V I:0.9403A P:112.53W PF:0.9955 Freq:60.01Hz Lamp Flux:286.513x1 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: Dingmin Zhang  
 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:120.21V I:0.9403A P:112.53W PF:0.9955 Freq:60.01Hz Lamp Flux:286.513x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

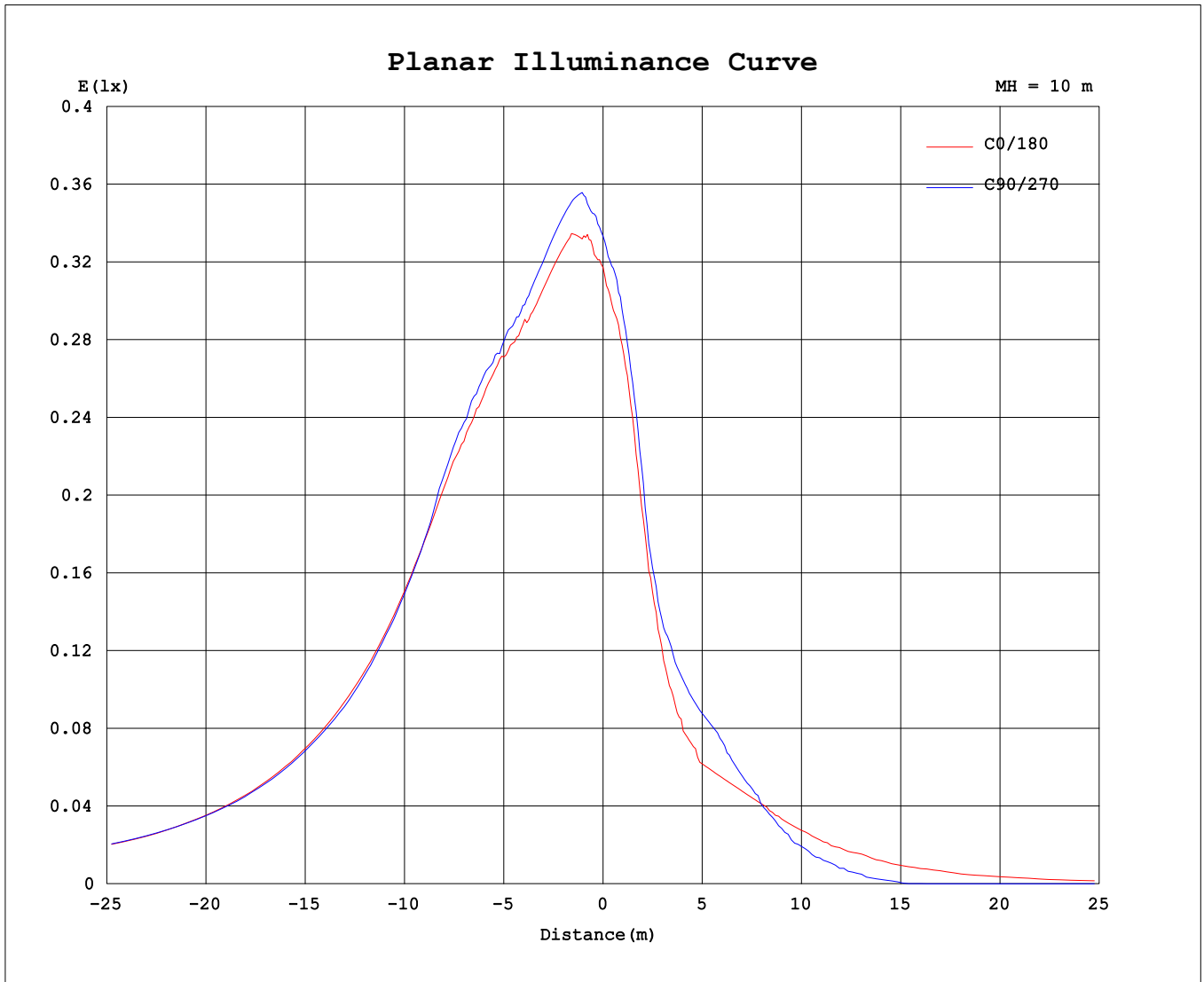
AvgL	cd/m2
L_0~180 (65) av	65
L_0~180 (75) av	98
L_0~180 (85) av	277
L_90~270 (65) av	59
L_90~270 (75) av	97
L_90~270 (85) av	281
L_45 (65) av	68
L_45 (75) av	105
L_45 (85) av	298

Standard: GB/T 29293-2012

C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:24.5°C  
Operators:Dingmin Zhang  
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: Dingmin Zhang  
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:120.21V I:0.9403A P:112.53W PF:0.9955 Freq:60.01Hz		
Lamp Flux:286.513x1 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	31.7	31.2	30.4	31.1	33.1	33.4	33.3	33.7	33.9	34.9	36.6	37.2	31.7	31.2	30.4	31.1	33.1	33.4	33.3
5	33.7	34.7	35.8	36.2	36.1	35.7	35.7	36.2	36.5	37.1	37.3	37.4	28.4	26.0	24.3	25.8	28.7	31.1	30.6
10	34.7	36.1	37.7	37.8	36.7	36.5	36.4	36.4	36.4	36.7	35.9	35.7	22.3	20.0	18.5	19.9	24.0	27.1	24.5
15	34.8	35.8	37.8	38.1	36.3	36.5	36.5	35.9	35.5	34.5	33.7	34.7	15.5	14.7	14.9	15.2	18.3	19.4	17.0
20	35.3	35.4	36.6	36.6	35.2	36.5	36.8	36.0	33.2	32.5	33.6	35.3	11.1	14.0	14.7	14.8	14.6	13.7	13.7
25	37.2	36.9	36.1	35.2	34.8	38.3	38.4	37.4	35.2	33.8	34.9	37.6	9.35	13.6	14.9	14.3	11.2	10.5	12.5
30	39.7	39.8	37.0	35.2	36.3	41.4	40.9	40.7	38.9	36.6	37.9	40.9	8.66	12.1	13.9	12.9	9.46	9.16	12.0
35	41.4	43.9	39.5	37.8	40.0	45.1	43.2	43.2	42.7	39.6	42.3	44.2	8.69	10.1	11.2	10.8	7.89	7.96	10.1
40	42.9	44.8	42.8	39.7	42.6	46.0	43.9	44.1	44.2	42.9	45.3	45.8	8.37	8.35	7.70	8.38	6.61	6.13	7.95
45	42.6	43.6	42.4	37.3	41.7	44.5	42.2	43.4	44.6	45.4	45.9	45.6	7.78	6.86	4.69	5.94	4.44	3.93	5.44
50	41.8	42.8	43.2	37.3	43.1	44.5	41.0	43.0	45.6	46.7	46.8	45.6	7.02	5.36	3.02	3.52	2.85	1.68	3.01
55	41.0	42.3	44.8	38.8	44.6	45.2	40.3	42.9	46.3	47.0	47.1	45.8	5.93	4.52	1.77	1.34	1.06	0.33	0.99
60	40.2	42.3	46.9	39.8	45.5	46.4	39.6	42.7	46.9	46.9	47.1	46.0	4.94	3.85	1.32	0.45	0.17	0.00	0.00
65	39.2	42.9	48.7	40.1	46.7	47.3	39.1	43.0	48.0	46.6	47.2	46.2	3.85	2.73	0.50	0.08	0.00	0.00	0.00
70	38.3	44.2	50.1	40.3	47.1	48.2	39.1	43.2	48.2	45.3	46.6	46.5	2.60	1.76	0.36	0.00	0.00	0.00	0.00
75	38.1	44.7	51.3	40.5	47.5	48.4	39.1	42.1	48.2	43.8	45.7	46.2	1.48	1.14	0.25	0.00	0.00	0.00	0.00
80	38.2	45.6	52.4	40.2	48.2	48.6	38.8	41.1	48.2	42.5	44.9	46.0	0.25	0.69	0.00	0.00	0.00	0.00	0.00
85	37.5	46.8	53.0	39.6	48.3	48.7	38.1	40.3	48.8	41.1	43.9	45.7	0.00	0.16	0.00	0.00	0.00	0.00	0.00
90	36.7	47.1	52.8	39.3	48.6	48.6	37.2	38.9	49.5	40.6	43.4	45.6	0.00	0.00	0.00	0.00	0.00	0.00	0.00
95	35.7	47.3	52.1	39.4	48.5	48.6	35.9	37.9	49.4	40.7	43.8	45.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00
100	34.8	47.7	52.0	40.7	48.4	47.8	34.9	37.2	48.5	40.8	44.2	45.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00
105	33.5	47.9	51.8	41.8	47.7	47.3	33.9	36.3	47.7	41.4	44.2	45.0	0.00	0.00	0.00	0.00	0.08	0.44	0.75
110	32.1	47.7	51.0	43.0	46.8	46.4	33.4	36.1	46.9	41.8	44.4	44.8	0.00	0.00	0.00	0.25	0.67	1.00	1.26
115	30.6	47.3	50.2	43.4	45.7	45.6	31.6	35.5	45.9	41.6	44.4	44.0	0.00	0.00	0.42	0.75	1.59	2.17	0.62
120	31.1	47.2	50.0	44.1	45.3	45.3	32.5	36.0	45.3	40.7	44.5	43.7	0.00	0.25	1.76	1.91	2.53	3.13	1.76
125	34.1	47.2	50.2	43.6	45.5	46.5	36.6	38.3	45.5	43.4	46.1	44.5	1.17	1.87	3.85	3.12	4.02	4.27	4.36
130	37.1	47.4	50.3	43.4	45.8	47.5	39.3	39.9	45.8	44.6	47.1	45.0	3.35	4.19	6.85	5.76	5.86	5.57	5.72
135	39.1	47.6	50.2	43.3	45.3	48.2	40.9	41.7	45.8	44.8	47.4	45.5	5.86	6.96	10.5	8.37	8.29	6.95	6.53
140	40.1	47.5	50.0	42.6	43.9	47.1	40.6	42.8	44.6	42.4	47.5	46.0	8.45	10.0	13.6	10.6	11.5	7.87	7.11
145	40.2	44.5	47.3	40.2	41.2	43.7	38.8	41.3	39.5	35.2	40.2	43.4	8.32	12.2	15.8	12.7	14.5	10.5	7.38
150	37.6	41.9	43.0	35.5	36.5	39.6	37.6	34.6	32.1	26.9	31.8	35.2	7.20	13.1	14.8	12.1	12.8	13.1	8.20
155	31.1	30.7	34.0	30.4	28.7	30.0	28.7	28.9	24.7	21.7	26.1	30.3	5.85	7.11	9.21	8.28	7.20	7.89	2.67
160	22.4	22.9	26.0	29.4	25.4	22.7	21.0	19.7	21.1	19.6	23.2	26.6	4.10	4.83	6.70	6.70	4.97	1.34	0.00
165	20.8	21.4	21.3	20.1	18.9	19.2	18.8	16.8	15.9	15.9	17.4	20.8	5.78	5.66	7.36	5.51	2.60	0.54	0.92
170	13.2	13.1	10.3	9.23	9.29	9.88	10.1	8.54	7.01	6.53	8.80	11.0	3.93	4.01	3.20	1.08	0.01	0.00	0.80
175	2.22	2.25	3.26	4.09	4.74	4.33	3.77	2.33	1.66	2.01	2.42	2.82	0.17	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:Dingmin Zhang

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:120.21V I:0.9403A P:112.53W PF:0.9955 Freq:60.01Hz		
Lamp Flux:286.513x1 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	33.7	33.9	34.9	36.6	37.2														
5	28.6	27.5	28.6	32.0	33.8														
10	21.5	20.3	21.2	24.2	28.1														
15	14.7	14.0	14.8	16.3	17.8														
20	13.6	13.6	13.4	12.0	11.0														
25	13.6	14.2	12.4	9.71	9.22														
30	13.3	13.3	10.9	9.78	9.12														
35	12.0	11.6	10.7	9.76	9.87														
40	9.55	9.46	9.54	9.71	9.90														
45	6.72	7.54	8.29	8.72	9.38														
50	4.79	6.29	6.70	6.78	6.95														
55	3.02	4.94	4.96	4.94	4.78														
60	1.27	3.35	3.98	3.85	4.10														
65	0.08	1.84	2.43	2.51	2.68														
70	0.00	0.34	1.42	1.66	1.76														
75	0.00	0.00	0.08	0.49	1.01														
80	0.00	0.00	0.00	0.00	0.08														
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	0.08	0.00	0.00	0.00	0.00														
105	0.83	0.33	0.00	0.00	0.00														
110	1.85	1.25	0.00	0.00	0.00														
115	3.01	2.34	0.00	0.25	0.00														
120	4.02	3.43	0.44	1.34	0.16														
125	5.44	4.85	0.84	3.17	1.93														
130	6.34	6.02	1.59	5.60	4.60														
135	7.53	7.03	2.65	8.54	7.86														
140	7.99	7.69	4.26	11.6	11.0														
145	7.93	7.12	4.93	12.4	12.8														
150	4.21	4.19	5.07	9.05	10.5														
155	1.93	3.36	4.94	5.79	7.87														
160	1.00	4.43	5.78	5.47	6.12														
165	3.33	5.53	5.63	3.78	2.47														
170	3.10	3.78	2.27	0.16	0.00														
175	0.05	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:Dingmin Zhang  
 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: