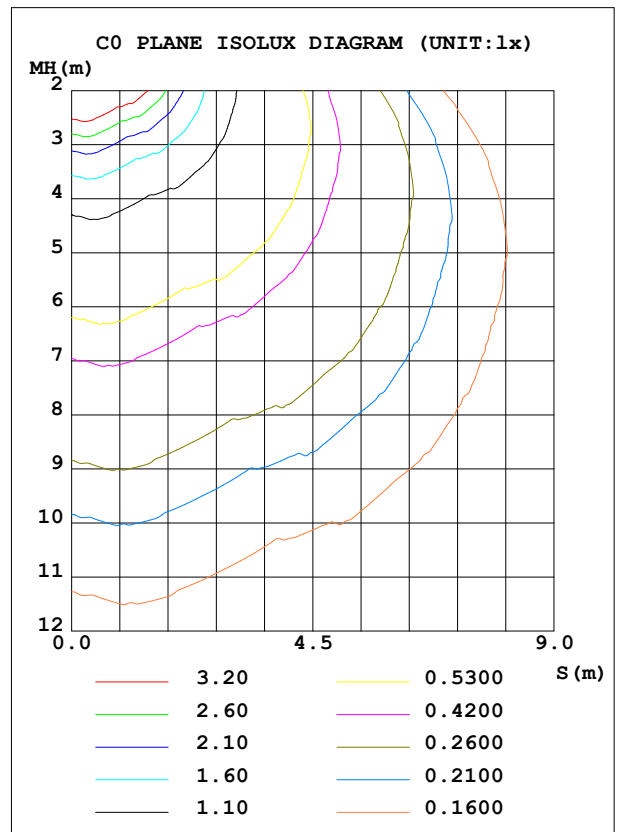
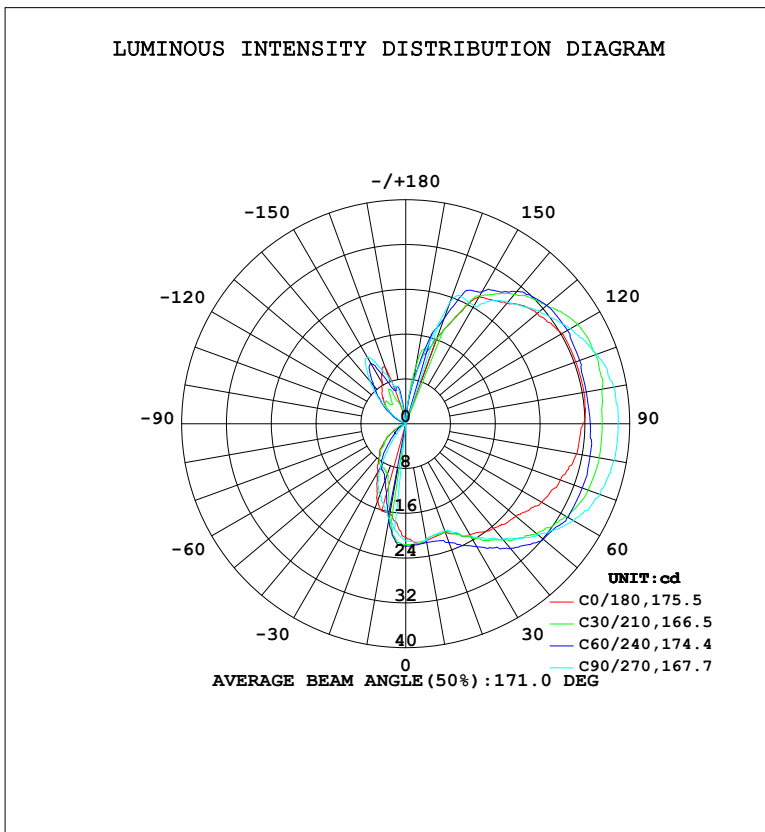


LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:120.26V I:0.6045A P:72.107W PF:0.9918 Freq:60.01Hz Lamp Flux:216.39x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA			
MODEL	HF7103-BK-SMK	Imax (cd)	41.51	S/MH (C0/180)	0.86
NOMINAL POWER (W)		LOR (%)	100.0	S/MH (C90/270)	0.80
RATED VOLTAGE (V)	120	TOTAL FLUX (lm)	216.39	η UP, DN (C0-180)	44.3, 46.6
NOMINAL FLUX (lm)	216.39	CIE CLASS	DIFFUSE	η UP, DN (C180-360)	4.8, 4.3
LAMPS INSIDE	1	η up (%)	49.1	CIBSE SHR NOM	1.25
TEST VOLTAGE (V)	120.258	η down (%)	50.9	CIBSE SHR MAX	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:

ZONAL FLUX DIAGRAM

ZONAL FLUX DIAGRAM:

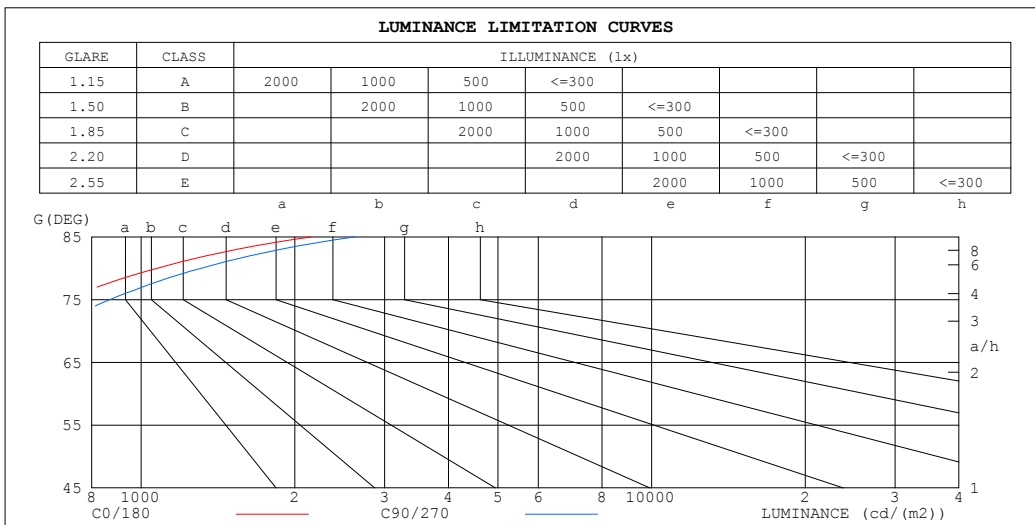
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	\$lum,lamp
10	21.18	21.18	21.16	21.41	16.32	17.17	17.17	18.91	0- 10	1.948	1.948	0.90,0.90
20	20.60	21.43	20.39	22.69	14.65	9.291	13.48	13.48	10- 20	5.058	7.006	3.24,3.24
30	22.89	23.94	23.11	26.37	9.960	8.282	9.133	8.113	20- 30	7.763	14.77	6.83,6.83
40	24.40	26.95	26.88	31.13	7.274	6.182	3.031	1.675	30- 40	10.32	25.09	11.6,11.6
50	25.70	28.91	30.81	35.49	5.011	3.249	1.337	0.0837	40- 50	12.94	38.03	17.6,17.6
60	28.02	29.63	34.57	38.83	2.074	1.645	0.2157	0	50- 60	15.69	53.72	24.8,24.8
70	29.38	29.46	36.83	40.35	0	0.0982	0	0	60- 70	17.81	71.53	33.1,33.1
80	30.98	27.79	37.84	40.65	0	0	0	0	70- 80	19.07	90.60	41.9,41.9
90	31.71	25.48	37.95	40.52	0	0	0	0	80- 90	19.50	110.1	50.9,50.9
100	32.31	26.03	37.73	38.87	0	0	0	0	90-100	19.14	129.2	59.7,59.7
110	32.31	28.79	36.25	36.83	0.2527	0.0837	0	0.6527	100-110	18.17	147.4	68.1,68.1
120	32.21	30.64	33.93	34.32	2.094	1.750	1.490	2.594	110-120	16.98	164.4	76,76
130	30.72	30.14	31.22	31.23	4.583	3.153	5.177	5.189	120-130	15.69	180.1	83.2,83.2
140	28.05	25.36	28.33	28.29	6.543	5.949	9.959	9.288	130-140	13.97	194.0	89.7,89.7
150	26.20	25.87	24.39	26.28	8.389	9.197	13.64	13.39	140-150	11.54	205.6	95,95
160	16.16	16.82	23.19	18.93	10.77	4.688	8.873	11.00	150-160	7.747	213.3	98.6,98.6
170	7.806	8.825	7.532	12.07	1.593	4.505	3.112	0	160-170	2.791	216.1	99.9,99.9
180	0	0	0	0	0	0	0	0	170-180	0.2761	216.4	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:120.26V I:0.6045A P:72.107W PF:0.9918 Freq:60.01Hz		
Lamp Flux:216.39x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:



LUMINANCE cd/(m2)		
G (DEG)	C0/180	C90/270
85	2152	2617
80	1074	1312
75	701	868
70	517	648
65	407	514
60	337	416
55	282	345
50	241	289
45	215	247

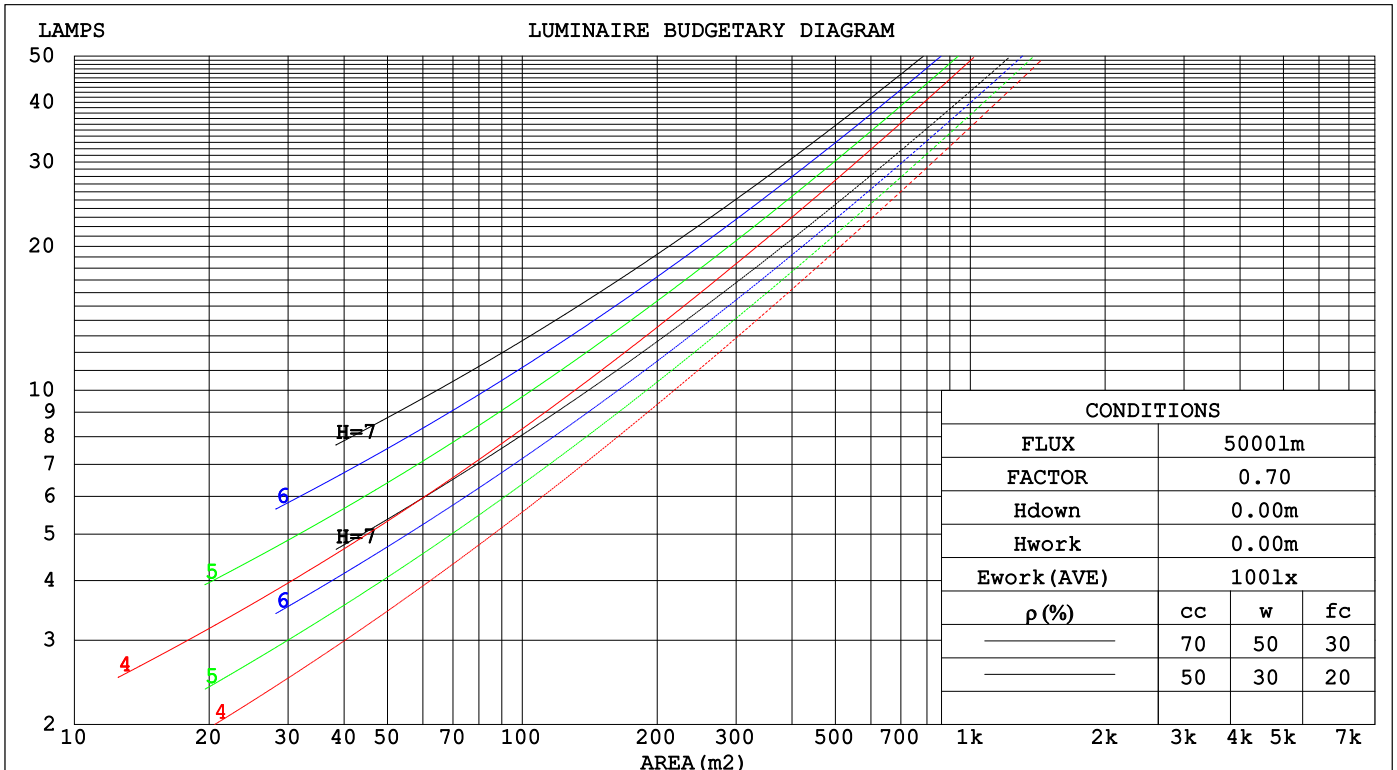
C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature: 24.5°C
 Operators: Dingmin Zhang
 Test Date: 2025-12-04

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:120.26V I:0.6045A P:72.107W PF:0.9918 Freq:60.01Hz		
Lamp Flux:216.39x1 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	1.07	1.07	1.07	.99	.99	.99	.84	.84	.84	.70	.70	.70	.57	.57	.57	.51
1.0	.87	.82	.77	.80	.75	.71	.67	.63	.60	.55	.52	.49	.43	.41	.39	.34
2.0	.74	.66	.59	.68	.61	.55	.56	.51	.46	.46	.42	.38	.36	.33	.30	.25
3.0	.64	.55	.48	.58	.50	.44	.48	.42	.37	.39	.34	.30	.30	.27	.24	.19
4.0	.56	.46	.39	.51	.43	.36	.42	.36	.31	.34	.29	.25	.27	.23	.20	.16
5.0	.49	.40	.33	.45	.37	.30	.37	.31	.26	.30	.25	.21	.24	.20	.16	.13
6.0	.44	.35	.28	.40	.32	.26	.33	.27	.22	.27	.22	.18	.21	.17	.14	.11
7.0	.39	.30	.24	.36	.28	.22	.30	.24	.19	.24	.19	.16	.19	.15	.12	.09
8.0	.35	.27	.21	.33	.25	.20	.27	.21	.17	.22	.17	.14	.18	.14	.11	.08
9.0	.32	.24	.19	.30	.22	.17	.25	.19	.15	.20	.16	.12	.16	.12	.10	.07
10.0	.29	.22	.17	.27	.20	.15	.23	.17	.13	.19	.14	.11	.15	.11	.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:120.26V I:0.6045A P:72.107W PF:0.9918 Freq:60.01Hz								
Lamp Flux:216.39x1 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	.401	.228	.072	.378	.216	.069	.337	.193	.062	.299	.172	.055	.264	.153	.049	
2.0	.336	.184	.056	.316	.174	.054	.278	.154	.048	.243	.136	.043	.211	.119	.038	
3.0	.294	.156	.047	.275	.147	.044	.241	.130	.040	.209	.114	.035	.179	.099	.031	
4.0	.262	.136	.040	.245	.128	.038	.213	.113	.034	.184	.099	.030	.156	.085	.026	
5.0	.237	.121	.035	.221	.114	.033	.192	.100	.029	.165	.087	.026	.139	.074	.022	
6.0	.216	.108	.031	.202	.102	.029	.175	.090	.026	.149	.078	.023	.126	.066	.020	
7.0	.199	.098	.028	.185	.092	.026	.160	.081	.023	.137	.070	.020	.115	.060	.018	
8.0	.184	.090	.025	.171	.084	.024	.148	.074	.021	.126	.064	.018	.106	.054	.016	
9.0	.171	.083	.023	.159	.078	.022	.138	.068	.019	.118	.059	.017	.098	.050	.014	
10.0	.160	.077	.021	.149	.072	.020	.129	.063	.018	.110	.054	.015	.092	.046	.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	.565	.565	.565	.483	.483	.483	.329	.329	.329	.189	.189	.189	.061	.061	.061	
1.0	.564	.533	.505	.483	.457	.434	.330	.315	.300	.190	.182	.175	.061	.059	.056	
2.0	.558	.512	.473	.478	.440	.408	.328	.305	.285	.189	.177	.167	.061	.057	.054	
3.0	.551	.496	.453	.472	.428	.393	.324	.297	.275	.187	.174	.162	.060	.056	.053	
4.0	.544	.485	.440	.466	.419	.382	.321	.292	.269	.186	.171	.159	.060	.056	.052	
5.0	.536	.476	.431	.461	.412	.375	.317	.288	.265	.184	.169	.157	.059	.055	.052	
6.0	.529	.468	.425	.455	.406	.370	.314	.284	.262	.182	.167	.156	.059	.055	.051	
7.0	.522	.462	.420	.449	.401	.366	.310	.281	.260	.180	.166	.154	.058	.054	.051	
8.0	.516	.457	.417	.444	.397	.363	.307	.278	.258	.179	.164	.154	.058	.054	.051	
9.0	.510	.453	.414	.439	.393	.361	.304	.276	.256	.177	.163	.153	.057	.054	.051	
10.0	.504	.449	.412	.435	.390	.359	.302	.274	.255	.176	.162	.152	.057	.053	.051	

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:

UGR(Unified Glare Rating) Table

Test:U:120.26V I:0.6045A P:72.107W PF:0.9918 Freq:60.01Hz										
Lamp Flux:216.39x1 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	7.9	9.0	8.7	9.8	11.0	8.0	9.0	8.8	9.9	11.0
3H	11.3	12.3	12.2	13.2	14.3	11.4	12.4	12.3	13.3	14.4
4H	13.1	14.1	14.0	15.0	16.2	13.3	14.2	14.2	15.2	16.3
6H	15.2	16.0	16.1	17.0	18.2	15.5	16.4	16.4	17.3	18.5
8H	16.3	17.1	17.2	18.0	19.3	16.7	17.6	17.7	18.5	19.7
12H	17.5	18.3	18.4	19.3	20.5	18.2	19.0	19.1	19.9	21.1
4H 2H	8.8	9.8	9.7	10.7	11.9	8.9	9.8	9.8	10.7	11.9
3H	12.4	13.2	13.4	14.2	15.4	12.4	13.2	13.3	14.2	15.4
4H	14.5	15.2	15.4	16.2	17.4	14.5	15.2	15.4	16.2	17.4
6H	16.7	17.4	17.7	18.4	19.7	16.7	17.4	17.7	18.4	19.6
8H	18.0	18.6	18.9	19.6	20.8	18.0	18.7	19.0	19.6	20.9
12H	19.3	19.9	20.3	20.9	22.2	19.6	20.1	20.5	21.1	22.4
8H 4H	15.1	15.7	16.1	16.7	18.0	15.1	15.7	16.0	16.7	17.9
6H	17.7	18.2	18.7	19.2	20.5	17.6	18.1	18.6	19.1	20.4
8H	19.1	19.6	20.1	20.6	22.0	19.1	19.5	20.1	20.5	21.9
12H	20.8	21.2	21.8	22.2	23.6	20.8	21.2	21.8	22.2	23.5
12H 4H	15.3	15.8	16.2	16.8	18.1	15.3	15.8	16.2	16.8	18.1
6H	17.9	18.4	18.9	19.4	20.7	17.8	18.3	18.8	19.3	20.7
8H	19.5	19.9	20.5	20.9	22.3	19.4	19.8	20.4	20.9	22.2
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					+ 0.2 / - 0.2				
2.0H	+ 0.4 / - 0.5					+ 0.3 / - 0.3				

CIE Pub.117, 216.4 lm Total Lamp Luminous Flux Corrected (8log(F/F0) = -5.3)
 Area: 0.16611 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:120.26V I:0.6045A P:72.107W PF:0.9918 Freq:60.01Hz Lamp Flux:216.39x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

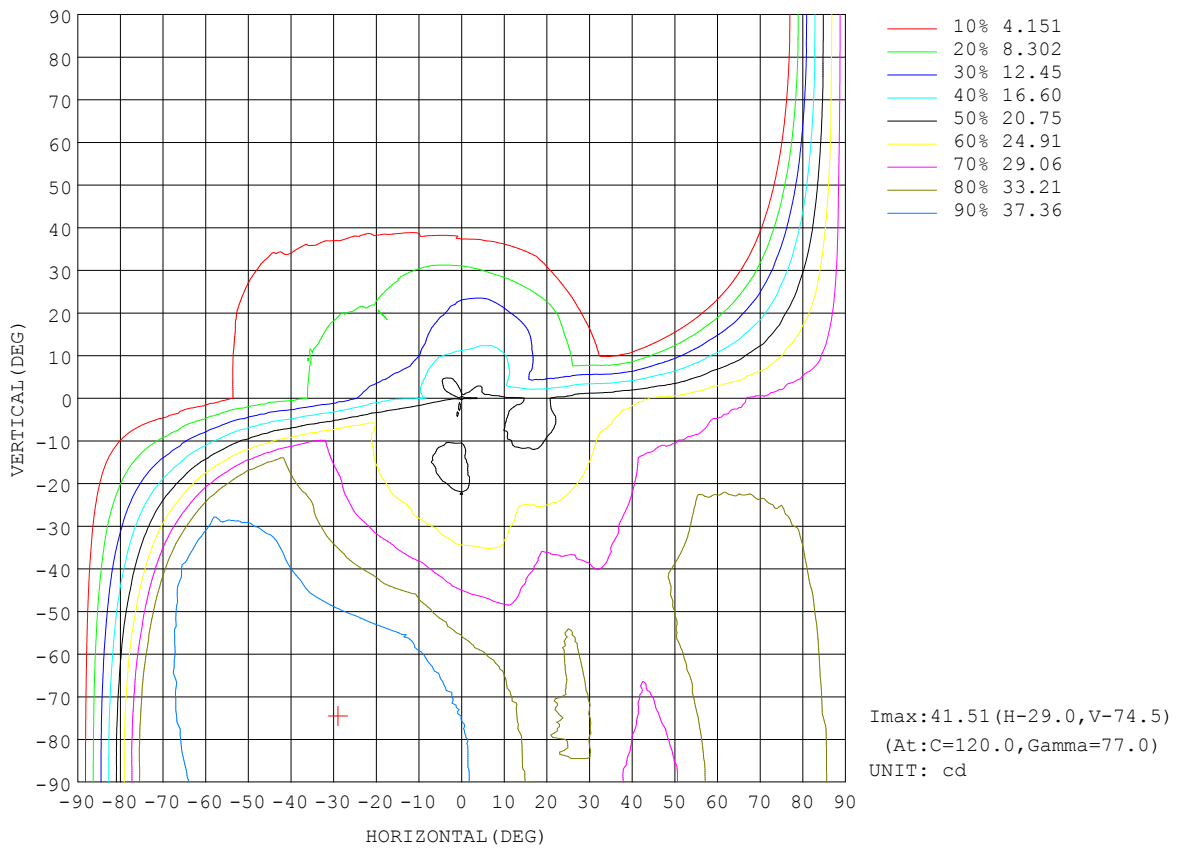
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS (PERCENT) k(RI) x RCR = 5									
k = 0.60	37	25	18	35	24	17	31	22	16	8
0.80	46	32	24	43	31	23	38	27	21	11
1.00	53	39	30	49	37	29	43	35	26	14
1.25	60	46	37	55	43	35	48	38	31	17
1.50	65	51	42	60	48	40	52	42	35	20
2.00	72	60	51	67	56	48	57	48	42	24
2.50	77	66	57	72	61	53	61	53	46	26
3.00	81	71	62	75	66	58	64	56	50	29
4.00	87	77	70	80	72	65	68	61	56	32
5.00	90	82	75	83	76	70	70	65	60	35
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:120.26V I:0.6045A P:72.107W PF:0.9918 Freq:60.01Hz Lamp Flux:216.39x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:



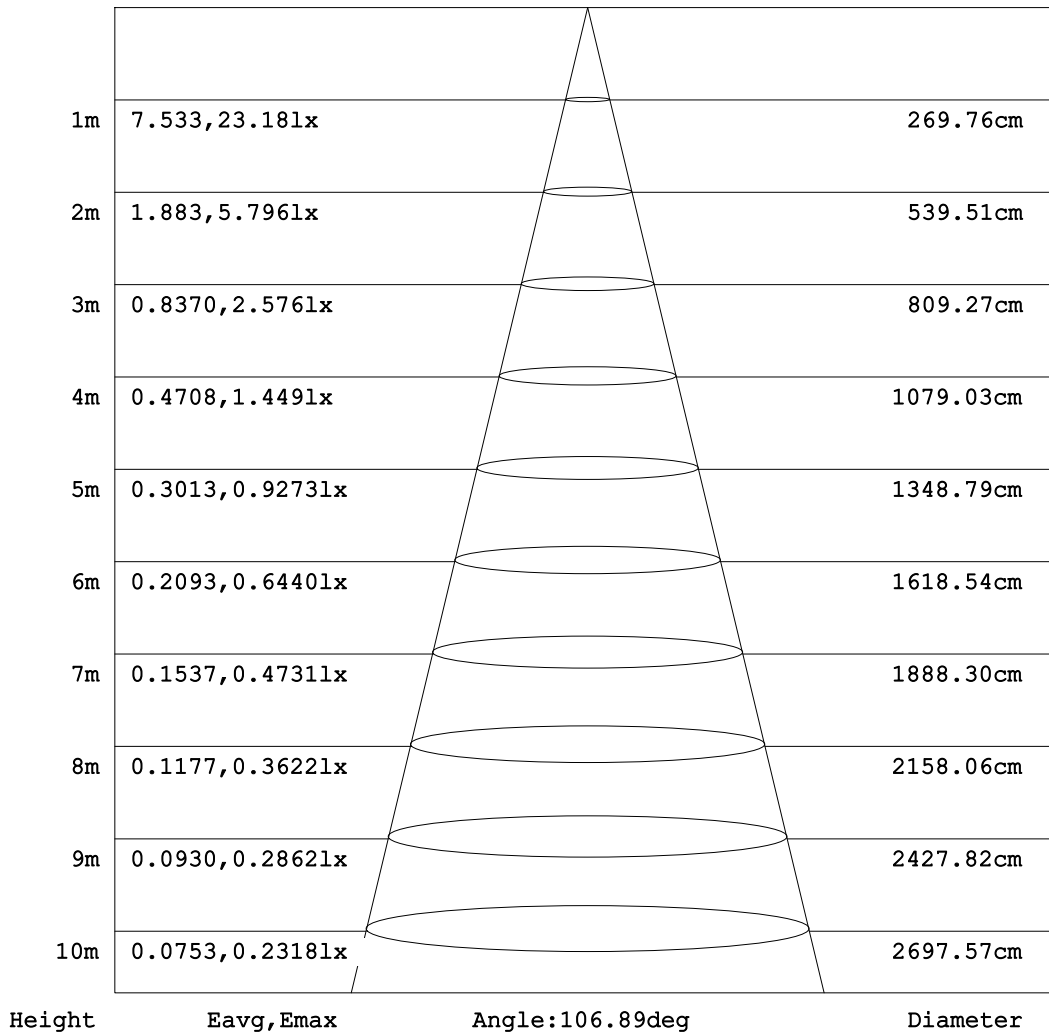
C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:24.5°C
 Operators:Dingmin Zhang
 Test Date:2025-12-04

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:120.26V I:0.6045A P:72.107W PF:0.9918 Freq:60.01Hz Lamp Flux:216.39x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

Flux out:43.22 lm



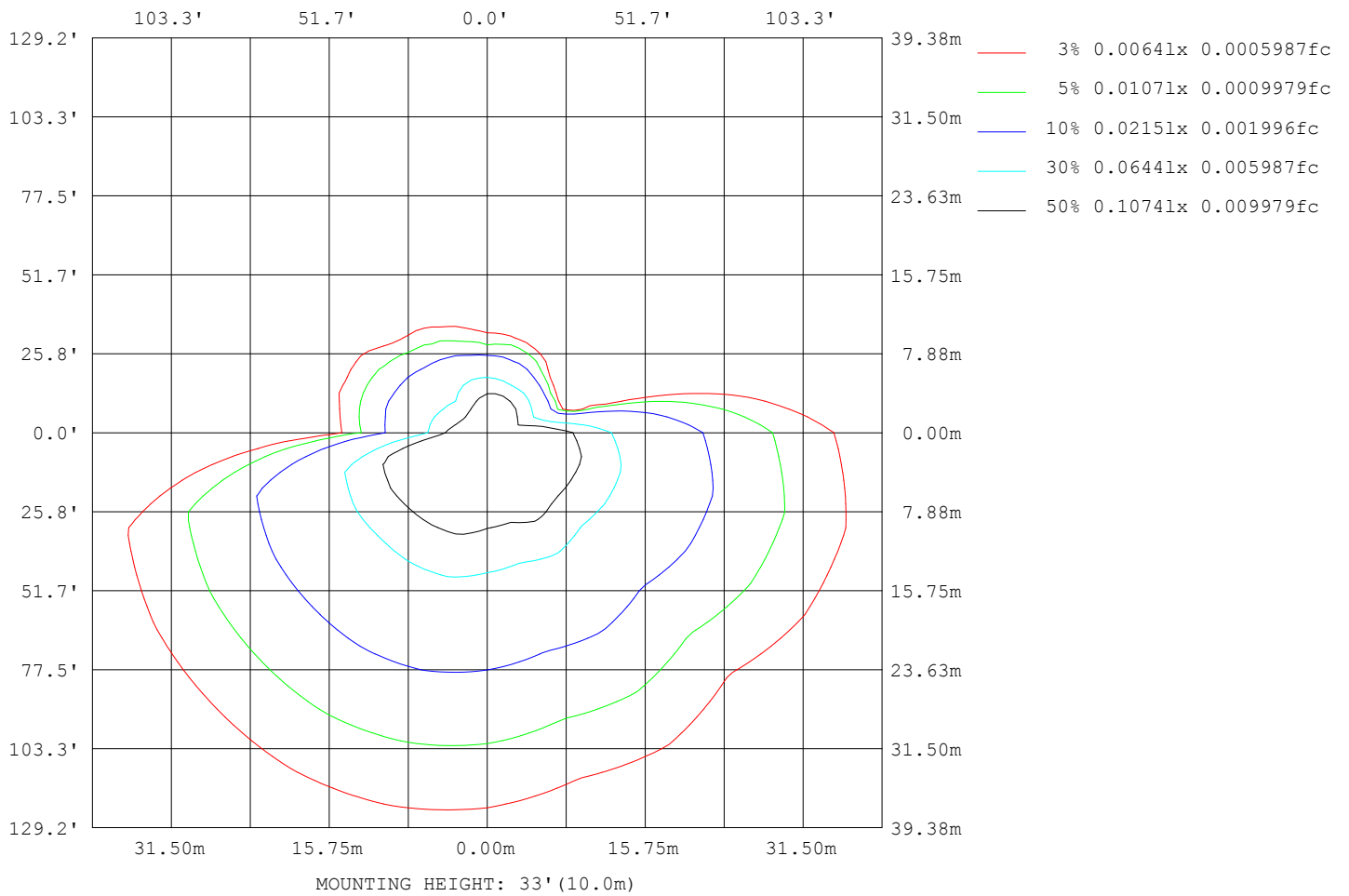
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

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:120.26V I:0.6045A P:72.107W PF:0.9918 Freq:60.01Hz Lamp Flux:216.39x1 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:120.26V I:0.6045A P:72.107W PF:0.9918 Freq:60.01Hz Lamp Flux:216.39x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

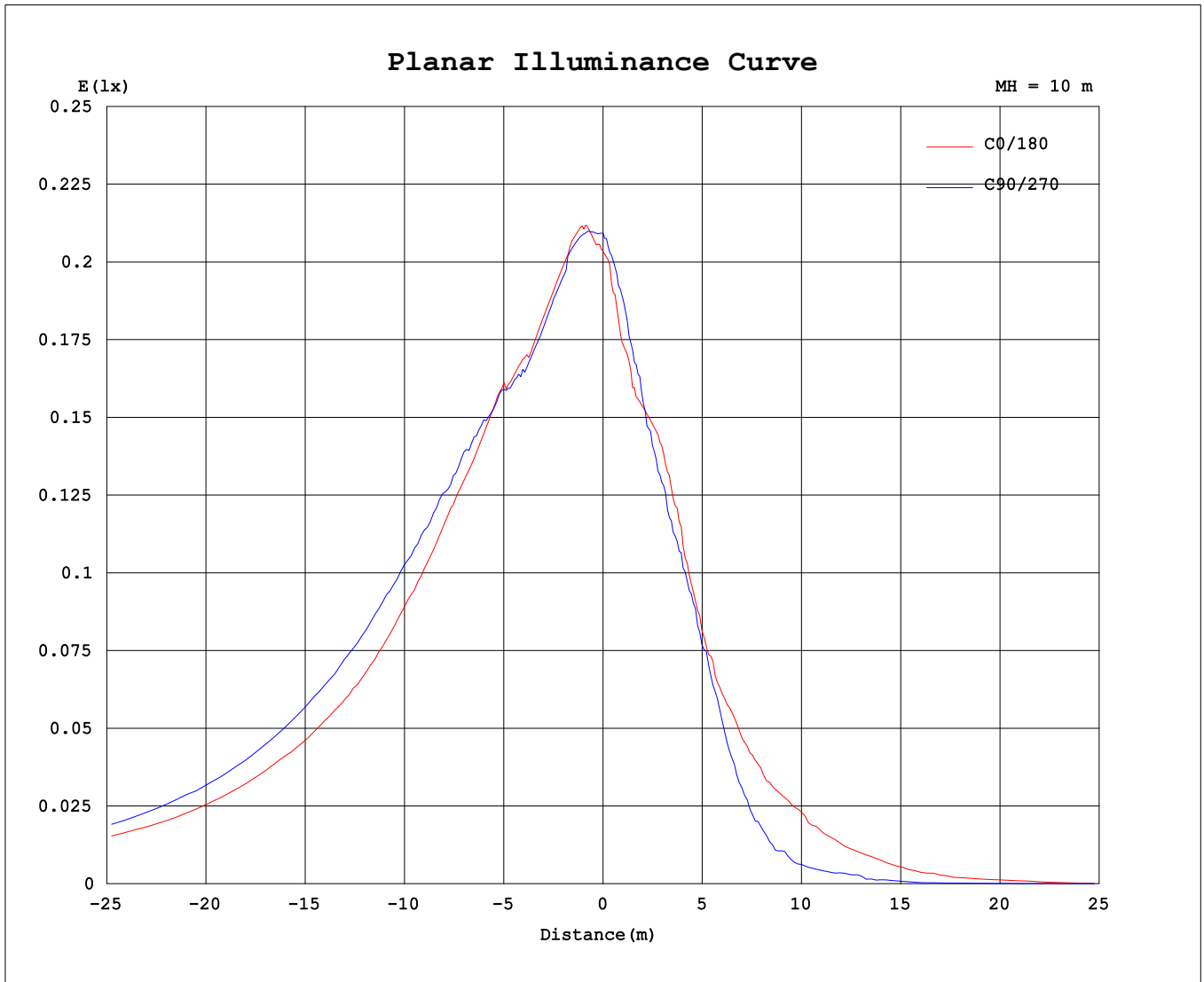
AvgL	cd/m2
L_0~180 (65) av	212
L_0~180 (75) av	351
L_0~180 (85) av	1076
L_90~270 (65) av	258
L_90~270 (75) av	434
L_90~270 (85) av	1309
L_45 (65) av	252
L_45 (75) av	403
L_45 (85) av	1158

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:120.26V I:0.6045A P:72.107W PF:0.9918 Freq:60.01Hz Lamp Flux:216.39x1 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	20.3	21.3	21.6	22.7	21.9	21.3	20.9	20.5	20.8	21.3	21.6	22.1	20.3	21.3	21.6	22.7	21.9	21.3	20.9
5	21.4	21.3	21.5	21.6	21.8	21.3	21.2	20.8	21.3	21.7	22.8	23.4	17.9	19.3	20.7	21.5	21.2	20.1	19.3
10	21.2	21.1	21.2	21.2	21.6	21.5	21.2	20.9	21.1	21.4	22.2	23.4	16.3	16.6	16.3	17.2	17.6	17.2	17.2
15	20.8	20.6	20.6	21.0	21.7	21.4	20.5	20.5	20.9	21.6	22.3	23.4	16.2	14.3	12.0	11.7	13.3	14.7	15.2
20	20.6	20.5	20.6	21.4	22.6	21.7	20.4	20.8	21.8	22.7	23.4	24.6	14.7	11.4	9.57	9.29	10.7	12.2	13.5
25	21.7	21.5	21.8	22.7	24.0	22.7	21.4	22.7	23.4	24.3	25.2	25.9	12.2	10.1	8.90	8.36	9.51	10.9	11.9
30	22.9	23.5	23.5	23.9	25.4	23.3	23.1	24.7	25.9	26.4	27.2	28.0	9.96	9.54	8.79	8.28	8.54	9.20	9.13
35	23.6	25.9	25.4	25.5	27.1	24.5	25.3	26.9	28.0	28.5	29.5	29.6	8.54	8.63	8.20	7.45	7.20	6.61	5.62
40	24.4	27.9	27.1	27.0	29.1	26.2	26.9	29.4	30.5	31.1	32.2	31.7	7.27	7.76	7.06	6.18	5.09	3.94	3.03
45	25.2	29.6	28.8	28.3	30.6	27.8	29.1	32.1	32.9	33.4	34.4	33.6	6.53	6.86	5.77	4.44	3.52	2.34	1.76
50	25.7	31.1	30.6	28.9	32.1	29.0	30.8	34.7	35.1	35.5	36.5	35.2	5.01	5.22	4.92	3.25	2.59	1.72	1.34
55	26.9	32.2	32.0	29.5	32.5	30.6	32.8	36.5	37.3	37.3	38.1	36.2	3.59	4.27	4.02	2.18	1.81	1.34	0.67
60	28.0	33.5	33.2	29.6	33.5	31.4	34.6	38.4	39.1	38.8	39.1	36.9	2.07	2.84	2.63	1.64	1.43	0.75	0.22
65	28.6	34.7	34.1	29.6	33.5	32.1	36.1	39.4	40.3	39.9	39.8	37.2	1.16	1.59	1.57	1.09	0.41	0.08	0.10
70	29.4	35.8	34.7	29.5	33.5	32.4	36.8	40.0	41.1	40.3	39.9	37.2	0.00	0.33	0.59	0.10	0.00	0.00	0.00
75	30.1	36.3	34.9	28.5	33.6	32.8	37.3	40.3	41.4	40.7	39.9	36.7	0.00	0.00	0.08	0.00	0.00	0.00	0.00
80	31.0	36.7	35.1	27.8	33.4	32.9	37.8	40.2	41.1	40.7	39.9	35.9	0.00	0.00	0.00	0.00	0.00	0.00	0.00
85	31.2	36.7	35.1	26.5	33.3	33.0	37.9	40.1	40.4	40.6	39.0	35.3	0.00	0.00	0.00	0.00	0.00	0.00	0.00
90	31.7	36.7	35.1	25.5	33.0	33.2	37.9	39.3	39.4	40.5	38.4	34.3	0.00	0.00	0.00	0.00	0.00	0.00	0.00
95	32.2	36.7	35.2	25.4	32.8	33.4	38.0	38.2	38.3	39.8	37.7	33.6	0.00	0.00	0.00	0.00	0.00	0.00	0.00
100	32.3	36.7	35.7	26.0	32.7	33.2	37.7	36.9	37.0	38.9	36.7	32.6	0.00	0.00	0.00	0.00	0.00	0.00	0.00
105	32.3	36.7	35.9	27.3	32.7	33.1	37.2	35.0	35.6	37.9	35.9	31.6	0.00	0.00	0.00	0.00	0.00	0.00	0.00
110	32.3	36.4	36.2	28.8	33.1	33.0	36.2	32.8	34.2	36.8	34.8	30.3	0.25	0.38	0.42	0.08	0.33	0.08	0.00
115	32.3	35.8	36.0	29.9	33.1	32.6	35.2	30.9	32.9	35.7	33.6	29.3	0.84	1.45	1.42	0.83	1.17	0.84	0.22
120	32.2	35.2	35.5	30.6	33.4	32.2	33.9	29.5	31.3	34.3	32.4	29.0	2.09	2.34	2.34	1.75	2.43	2.10	1.49
125	31.5	34.4	34.4	30.5	33.2	31.9	32.5	28.8	30.1	32.9	31.5	28.9	3.11	3.12	3.35	2.60	3.68	4.02	3.18
130	30.7	33.2	32.8	30.1	32.9	31.4	31.2	28.8	28.9	31.2	30.5	28.9	4.58	4.26	4.35	3.15	5.44	5.78	5.18
135	29.9	32.0	31.7	28.3	32.1	30.5	29.6	28.8	28.0	29.8	29.6	28.7	5.53	5.34	5.24	4.10	7.12	8.20	7.52
140	28.1	30.4	30.1	25.4	30.8	29.6	28.3	29.1	27.0	28.3	28.4	28.3	6.54	6.11	5.19	5.95	8.95	10.6	9.96
145	27.0	28.7	28.4	26.3	28.8	28.4	26.9	28.2	26.2	27.2	27.4	27.3	7.45	6.78	4.21	7.96	11.2	12.8	12.4
150	26.2	27.1	26.5	25.9	27.1	27.7	24.4	25.3	25.5	26.3	25.3	22.9	8.39	7.37	5.53	9.20	12.5	13.2	13.6
155	20.9	21.5	21.3	22.8	26.3	26.8	24.7	24.3	25.3	25.2	24.4	23.8	9.80	8.37	6.79	7.20	9.45	10.6	11.2
160	16.2	16.3	16.2	16.8	19.9	23.1	23.2	19.3	19.1	18.9	18.6	19.9	10.8	9.19	4.24	4.69	6.77	7.70	8.87
165	12.9	13.5	13.9	14.3	14.6	13.3	13.3	15.0	15.9	16.4	16.2	14.2	3.16	2.68	2.76	5.26	6.69	6.71	6.87
170	7.81	9.46	10.2	8.83	7.20	6.62	7.53	8.88	10.6	12.1	11.7	9.53	1.59	1.51	2.50	4.50	5.90	5.00	3.11
175	1.74	1.04	1.42	1.59	2.03	2.19	2.74	2.90	2.75	2.96	2.68	2.33	0.00	0.00	0.08	0.50	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:120.26V I:0.6045A P:72.107W PF:0.9918 Freq:60.01Hz Lamp Flux:216.39x1 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	20.5	20.8	21.3	21.6	22.1														
5	19.3	19.9	20.3	21.0	20.8														
10	17.5	18.6	18.9	18.6	17.3														
15	15.5	16.2	16.4	15.1	13.5														
20	14.1	13.9	13.5	12.1	10.7														
25	11.9	11.3	11.1	9.96	9.21														
30	8.28	8.12	8.11	7.10	6.77														
35	5.44	5.27	4.10	3.26	3.18														
40	3.28	3.01	1.68	0.50	0.42														
45	1.74	1.33	0.42	0.00	0.00														
50	0.84	0.33	0.08	0.00	0.00														
55	0.29	0.00	0.00	0.00	0.00														
60	0.08	0.00	0.00	0.00	0.00														
65	0.00	0.00	0.00	0.00	0.00														
70	0.00	0.00	0.00	0.00	0.00														
75	0.00	0.00	0.00	0.00	0.00														
80	0.00	0.00	0.00	0.00	0.00														
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	0.00	0.00	0.00	0.00	0.00														
105	0.00	0.00	0.08	0.08	0.00														
110	0.09	0.57	0.65	0.89	0.00														
115	0.75	1.34	1.59	1.93	0.20														
120	1.84	2.25	2.59	2.94	0.49														
125	3.16	3.52	3.92	4.52	1.17														
130	4.69	5.31	5.19	5.95	2.09														
135	6.60	7.28	7.20	7.59	3.43														
140	8.37	9.55	9.29	9.04	3.94														
145	10.7	12.0	11.4	10.6	4.50														
150	12.1	14.5	13.4	12.0	4.50														
155	11.1	15.3	14.9	12.2	4.35														
160	9.79	11.1	11.0	7.87	4.28														
165	7.03	4.53	1.17	1.13	2.44														
170	0.36	0.00	0.00	0.00	1.20														
175	0.00	0.00	0.00	0.00	0.01														
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: