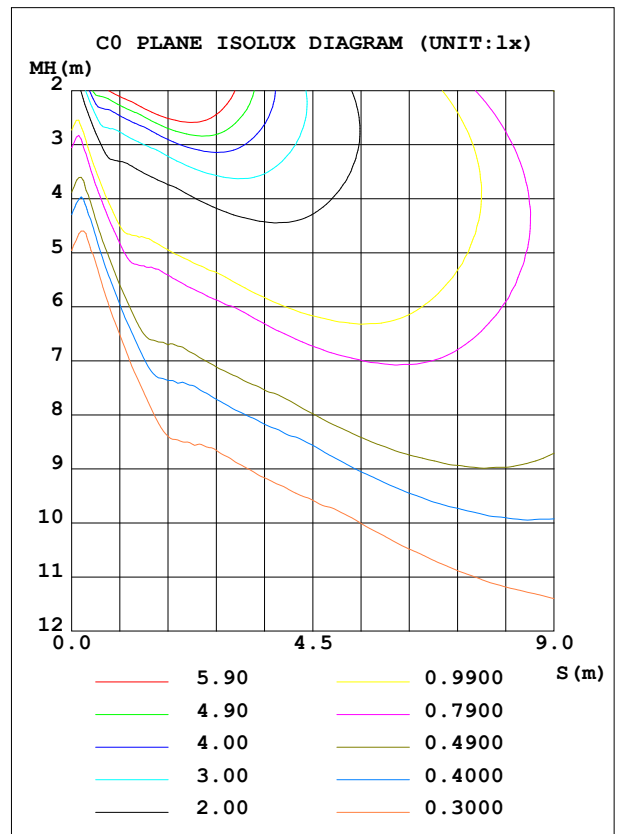
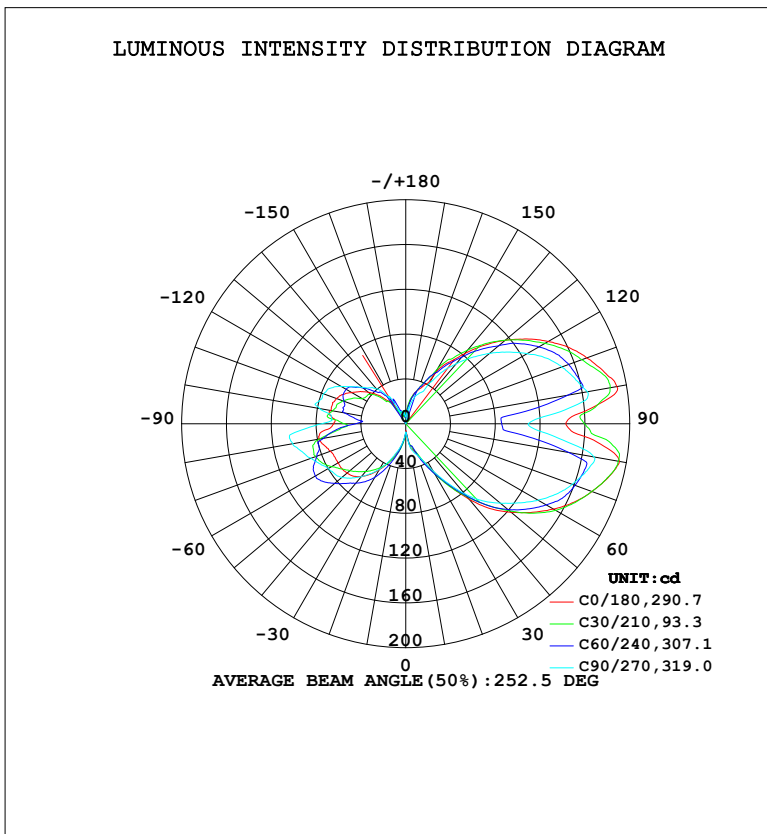


LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:120.35V I:0.4093A P:48.511W PF:0.9848 Freq:60.01Hz Lamp Flux:1113.3x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA			
MODEL	HF7008-AB	Imax (cd)	193.7	S/MH (C0/180)	4.63
NOMINAL POWER (W)		LOR (%)	100.0	S/MH (C90/270)	5.13
RATED VOLTAGE (V)	120	TOTAL FLUX (lm)	1113.3	η UP, DN (C0-180)	32.6, 34.4
NOMINAL FLUX (lm)	1113.3	CIE CLASS	DIFFUSE	η UP, DN (C180-360)	14.6, 18.5
LAMPS INSIDE	1	η up (%)	47.2	CIBSE SHR NOM	1.25
TEST VOLTAGE (V)	120.338	η down (%)	52.8	CIBSE SHR MAX	1.35



C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature: 24.5°C
 Operators: Dingmin Zhang
 Test Date: 2025-12-05

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:

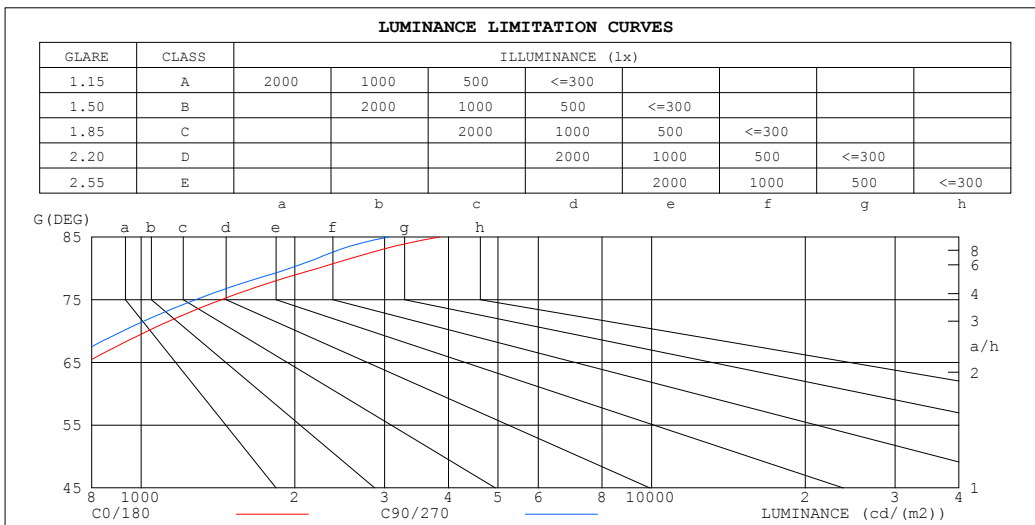
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum, lamp
10	17.89	17.98	20.14	19.28	18.34	19.02	17.50	15.64	0- 10	1.275	1.275	0.11,0.11
20	29.20	28.18	29.62	29.65	31.76	33.99	30.31	27.34	10- 20	6.922	8.197	0.74,0.74
30	49.04	47.79	48.09	51.85	47.64	50.69	46.55	41.00	20- 30	18.25	26.45	2.38,2.38
40	87.72	84.63	81.49	88.45	61.54	66.47	61.70	53.56	30- 40	38.21	64.66	5.81,5.81
50	123.1	116.6	110.3	117.9	68.52	80.45	74.65	65.20	40- 50	64.95	129.6	11.6,11.6
60	152.5	145.0	136.6	142.2	70.22	75.16	79.93	64.85	50- 60	92.86	222.5	20,20
70	176.9	169.0	158.2	163.4	71.74	79.27	90.14	68.97	60- 70	117.3	339.8	30.5,30.5
80	193.7	185.0	170.6	173.9	78.85	85.94	102.4	77.18	70- 80	133.7	473.5	42.5,42.5
90	143.0	119.6	109.3	115.0	64.12	61.96	75.03	61.46	80- 90	114.8	588.3	52.8,52.8
100	191.4	179.8	164.7	168.2	68.20	67.31	77.83	80.44	90-100	110.5	698.8	62.8,62.8
110	172.0	163.6	148.2	153.8	65.94	67.63	78.03	84.56	100-110	124.6	823.4	74,74
120	146.9	138.1	125.3	127.3	55.65	60.65	66.85	75.33	110-120	106.2	929.6	83.5,83.5
130	116.0	110.9	97.81	103.5	43.85	42.84	50.39	56.59	120-130	80.81	1010	90.8,90.8
140	81.82	80.87	70.01	73.62	28.63	35.80	40.84	46.81	130-140	54.18	1065	95.6,95.6
150	49.38	49.39	41.10	43.97	12.29	19.33	24.99	21.51	140-150	30.35	1095	98.4,98.4
160	31.98	28.29	26.69	27.45	7.955	9.208	10.72	9.698	150-160	12.22	1107	99.4,99.4
170	19.62	17.19	14.16	15.04	10.54	9.210	9.726	16.11	160-170	5.047	1112	99.9,99.9
180	7.197	6.959	6.194	5.933	6.697	7.534	7.199	6.194	170-180	1.077	1113	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:2025-12-05

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:120.35V I:0.4093A P:48.511W PF:0.9848 Freq:60.01Hz Lamp Flux:1113.3x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:



LUMINANCE cd/(m2)		
G (DEG)	C0/180	C90/270
85	3845	3058
80	2220	1956
75	1437	1278
70	1030	921
65	781	699
60	607	544
55	478	427
50	381	342
45	302	274

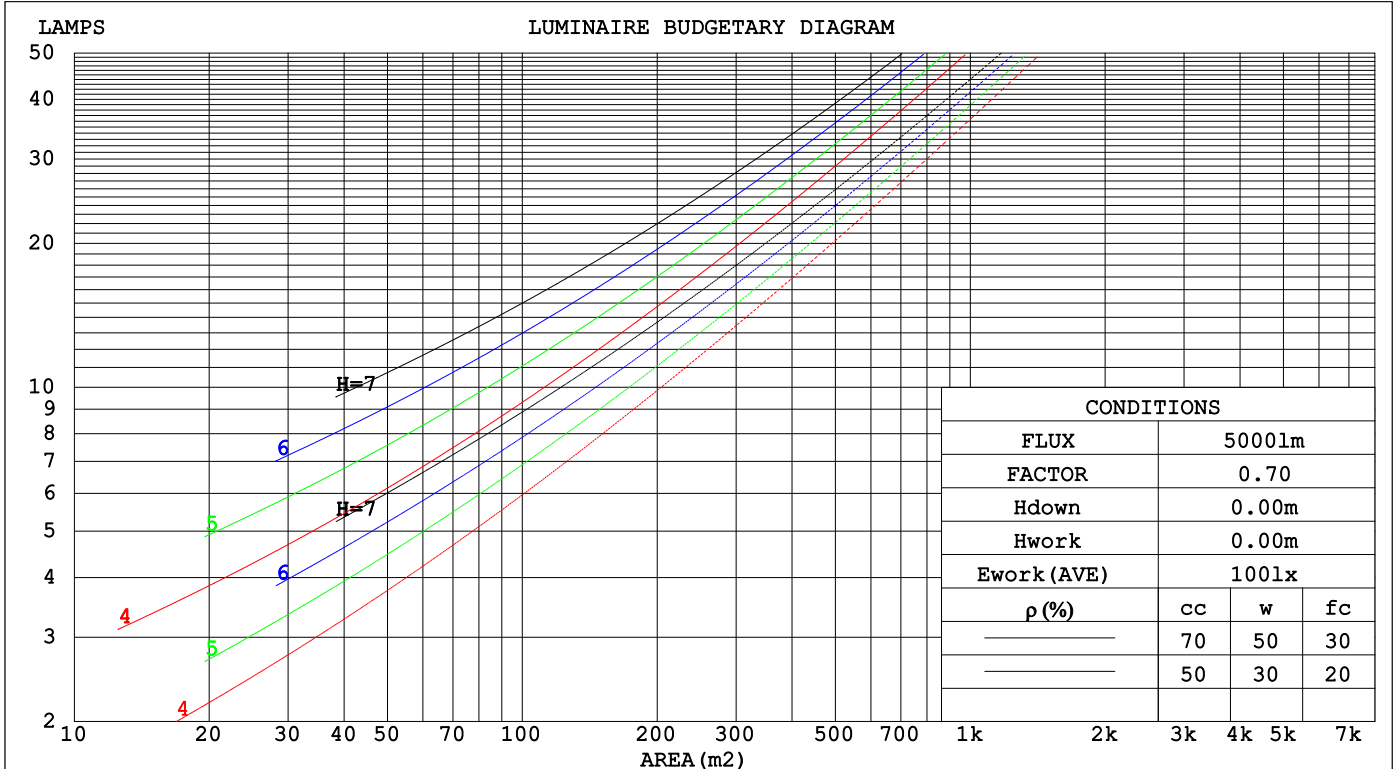
C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature: 24.5°C
 Operators: Dingmin Zhang
 Test Date: 2025-12-05

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:120.35V I:0.4093A P:48.511W PF:0.9848 Freq:60.01Hz		
Lamp Flux:1113.3x1 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	.85	.85	.85	.71	.71	.71	.59	.59	.59	.53
1.0	.86	.80	.74	.79	.73	.69	.66	.62	.58	.54	.51	.48	.43	.40	.38	.33
2.0	.71	.63	.56	.65	.58	.51	.54	.48	.43	.44	.39	.35	.34	.30	.27	.22
3.0	.61	.51	.43	.55	.47	.40	.46	.39	.33	.36	.31	.27	.28	.24	.20	.16
4.0	.52	.42	.35	.48	.39	.32	.39	.32	.26	.31	.26	.21	.24	.19	.16	.12
5.0	.46	.36	.29	.42	.33	.26	.34	.27	.22	.27	.22	.17	.21	.16	.13	.09
6.0	.40	.31	.24	.37	.28	.22	.30	.23	.18	.24	.18	.14	.18	.14	.10	.07
7.0	.36	.27	.20	.33	.24	.19	.27	.20	.15	.22	.16	.12	.16	.12	.09	.06
8.0	.32	.23	.17	.30	.21	.16	.24	.18	.13	.19	.14	.10	.15	.11	.07	.05
9.0	.29	.21	.15	.27	.19	.14	.22	.16	.11	.18	.12	.09	.14	.09	.06	.04
10.0	.27	.18	.13	.24	.17	.12	.20	.14	.10	.16	.11	.08	.12	.08	.05	.03



C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:24.5°C
 Operators:Dingmin Zhang
 Test Date:2025-12-05

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:120.35V I:0.4093A P:48.511W PF:0.9848 Freq:60.01Hz		
Lamp Flux:1113.3x1 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	.439	.250	.079	.417	.238	.076	.377	.216	.069	.339	.196	.063	.305	.177	.057	
2.0	.365	.200	.061	.345	.190	.059	.308	.171	.053	.274	.154	.048	.242	.137	.043	
3.0	.317	.169	.050	.299	.160	.048	.265	.143	.044	.233	.128	.039	.204	.113	.035	
4.0	.280	.146	.043	.264	.138	.041	.233	.123	.037	.204	.109	.033	.177	.096	.029	
5.0	.252	.128	.037	.236	.121	.035	.208	.108	.032	.181	.096	.028	.156	.083	.025	
6.0	.228	.114	.033	.214	.108	.031	.188	.096	.028	.163	.085	.025	.140	.074	.022	
7.0	.209	.103	.029	.196	.098	.028	.172	.087	.025	.149	.076	.022	.127	.066	.019	
8.0	.192	.094	.026	.181	.089	.025	.158	.079	.023	.137	.069	.020	.117	.060	.017	
9.0	.178	.086	.024	.167	.082	.023	.146	.072	.020	.126	.063	.018	.108	.055	.016	
10.0	.166	.080	.022	.156	.075	.021	.136	.067	.019	.118	.058	.017	.100	.050	.014	

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	.550	.550	.550	.470	.470	.470	.321	.321	.321	.184	.184	.184	.059	.059	.059	
1.0	.551	.517	.486	.472	.444	.419	.323	.305	.290	.186	.177	.168	.060	.057	.054	
2.0	.547	.496	.454	.468	.427	.392	.321	.296	.274	.185	.172	.160	.059	.056	.052	
3.0	.540	.481	.434	.463	.415	.377	.318	.288	.264	.184	.168	.156	.059	.055	.051	
4.0	.533	.470	.422	.457	.406	.367	.314	.283	.258	.182	.166	.153	.059	.054	.050	
5.0	.525	.461	.414	.451	.399	.360	.311	.279	.254	.180	.164	.151	.058	.053	.050	
6.0	.518	.454	.408	.445	.393	.355	.307	.275	.251	.178	.162	.149	.057	.053	.049	
7.0	.511	.448	.403	.439	.388	.352	.304	.272	.249	.176	.160	.148	.057	.052	.049	
8.0	.504	.442	.400	.434	.384	.349	.300	.269	.247	.175	.159	.147	.057	.052	.049	
9.0	.498	.438	.398	.429	.380	.347	.297	.267	.246	.173	.158	.147	.056	.052	.049	
10.0	.492	.434	.396	.424	.377	.345	.294	.265	.245	.172	.157	.146	.056	.052	.049	

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:24.5°C
 Operators:Dingmin Zhang
 Test Date:2025-12-05

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:120.35V I:0.4093A P:48.511W PF:0.9848 Freq:60.01Hz										
Lamp Flux:1113.3x1 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	9.0	10.2	9.8	11.0	12.2	8.6	9.7	9.4	10.6	11.7
3H	12.9	13.9	13.7	14.8	16.0	12.5	13.5	13.3	14.4	15.6
4H	15.0	16.0	15.8	16.9	18.1	14.6	15.6	15.5	16.5	17.7
6H	17.2	18.2	18.1	19.1	20.3	16.9	17.8	17.8	18.8	19.9
8H	18.3	19.3	19.2	20.2	21.4	18.0	18.9	18.9	19.8	21.0
12H	19.5	20.4	20.4	21.3	22.5	19.0	19.9	19.9	20.9	22.1
4H 2H	10.2	11.2	11.0	12.1	13.3	9.9	10.9	10.7	11.8	13.0
3H	14.1	15.0	15.0	15.9	17.1	13.7	14.6	14.6	15.5	16.7
4H	16.3	17.1	17.2	18.1	19.3	15.9	16.7	16.8	17.7	18.9
6H	18.6	19.3	19.5	20.2	21.5	18.3	19.1	19.3	20.0	21.3
8H	19.6	20.3	20.6	21.3	22.5	19.6	20.3	20.5	21.2	22.5
12H	20.8	21.4	21.7	22.4	23.6	20.8	21.4	21.7	22.4	23.7
8H 4H	17.1	17.8	18.0	18.7	20.0	16.8	17.5	17.7	18.4	19.7
6H	19.6	20.2	20.6	21.2	22.5	19.3	19.9	20.2	20.8	22.1
8H	20.8	21.4	21.8	22.4	23.7	20.6	21.1	21.6	22.1	23.5
12H	22.0	22.4	23.0	23.5	24.8	22.1	22.6	23.1	23.6	24.9
12H 4H	17.2	17.9	18.2	18.9	20.1	17.0	17.7	18.0	18.7	19.9
6H	19.9	20.5	20.9	21.5	22.8	19.6	20.2	20.6	21.2	22.5
8H	21.3	21.8	22.3	22.8	24.1	21.0	21.5	22.0	22.5	23.8
Variations with the observer position at spacings(CIE Pub.117):										
S = 1.0H	+ 0.1 / - 0.1					+ 0.1 / - 0.1				
1.5H	+ 0.2 / - 0.2					+ 0.2 / - 0.3				
2.0H	+ 0.2 / - 0.3					+ 0.3 / - 0.4				

CIE Pub.117, 1113 lm Total Lamp Luminous Flux Corrected (8log(F/F0) = 0.4)
 Area: 0.5024 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:2025-12-05	Remarks:

UTILIZATION FACTORS TABLE

Test:U:120.35V I:0.4093A P:48.511W PF:0.9848 Freq:60.01Hz Lamp Flux:1113.3x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

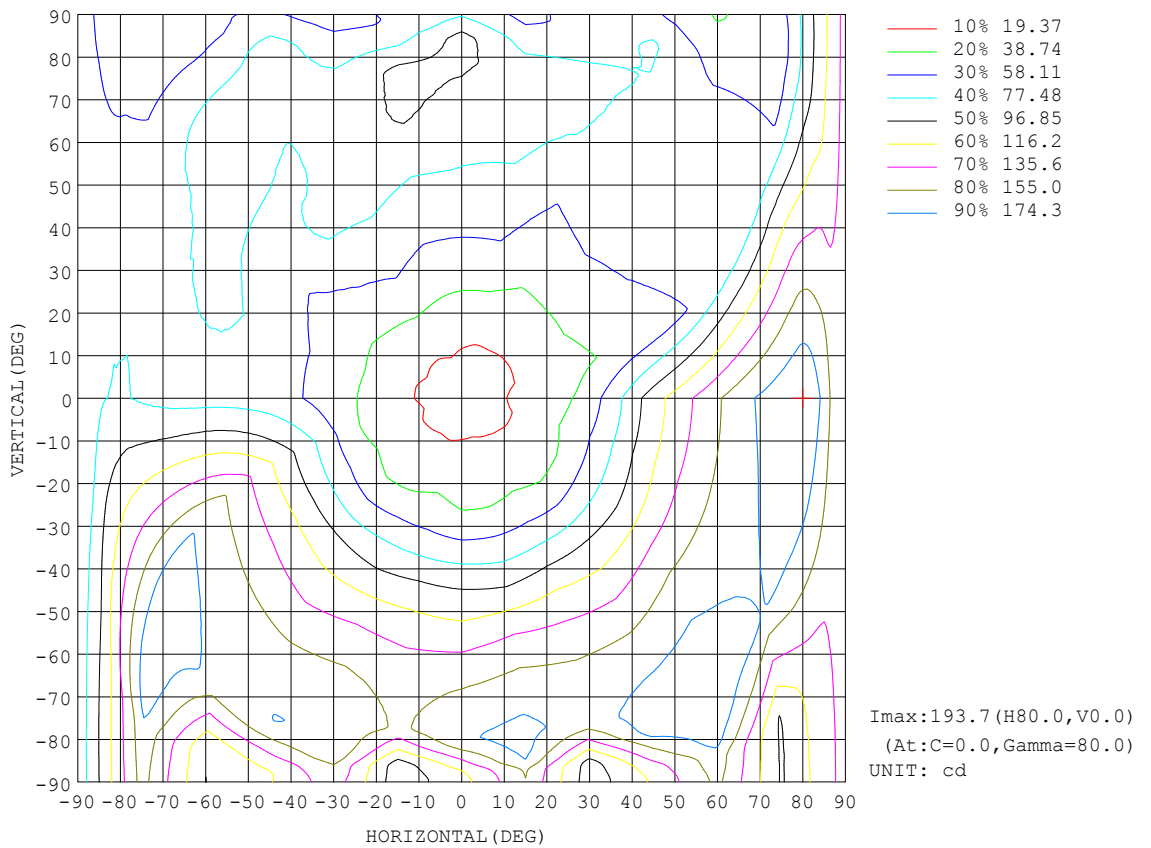
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS (PERCENT) k(RI) x RCR = 5									
k = 0.60	34	20	13	32	19	12	29	18	11	4
0.80	42	27	19	39	26	18	35	23	16	6
1.00	49	34	25	46	32	23	40	31	21	9
1.25	56	41	31	52	39	29	45	34	26	13
1.50	62	47	37	57	44	35	49	38	30	15
2.00	70	56	46	65	52	43	55	45	38	20
2.50	75	63	53	70	58	49	59	50	43	23
3.00	80	68	58	73	63	55	62	54	47	26
4.00	85	75	67	79	70	62	67	60	54	30
5.00	89	80	72	82	74	68	69	63	58	33
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:2025-12-05

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:120.35V I:0.4093A P:48.511W PF:0.9848 Freq:60.01Hz Lamp Flux:1113.3x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:



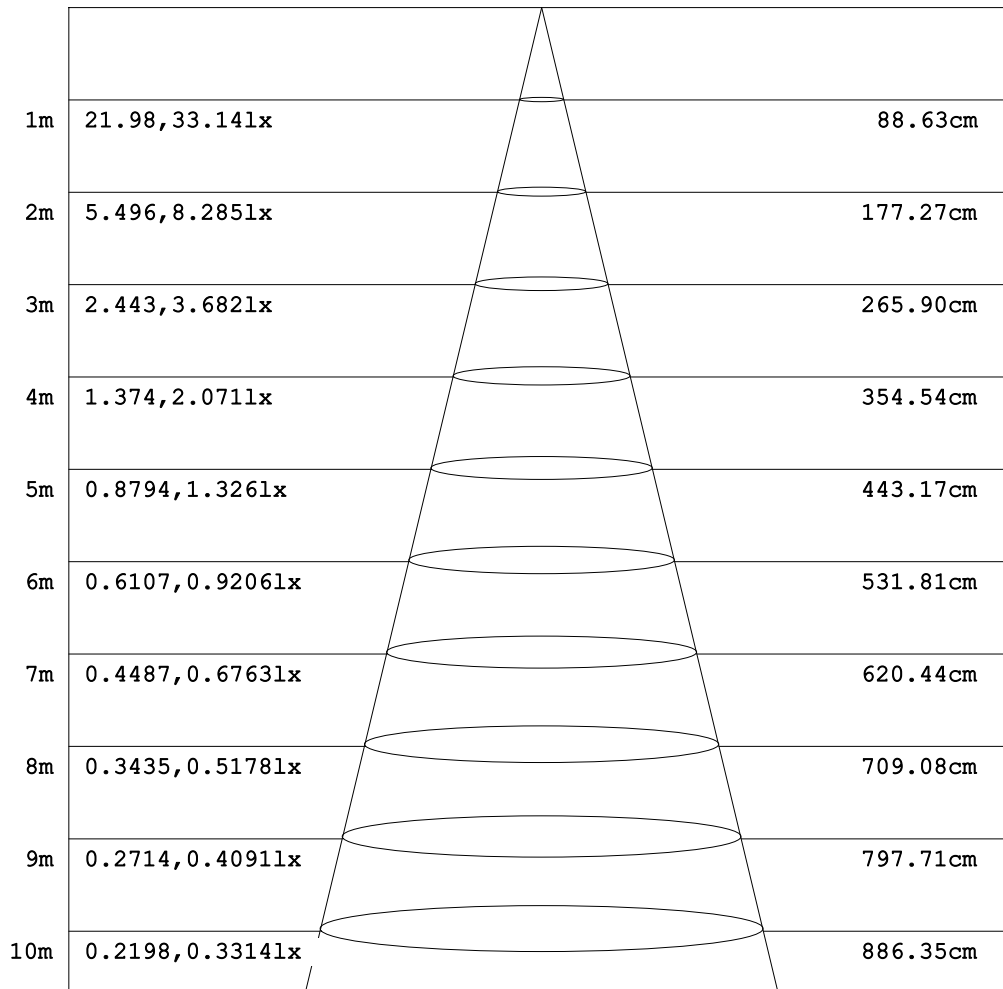
C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:24.5°C
 Operators:Dingmin Zhang
 Test Date:2025-12-05

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:120.35V I:0.4093A P:48.511W PF:0.9848 Freq:60.01Hz Lamp Flux:1113.3x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

Flux out:13.69 lm



Angle:47.80deg

Height

Eavg, Emax

Diameter

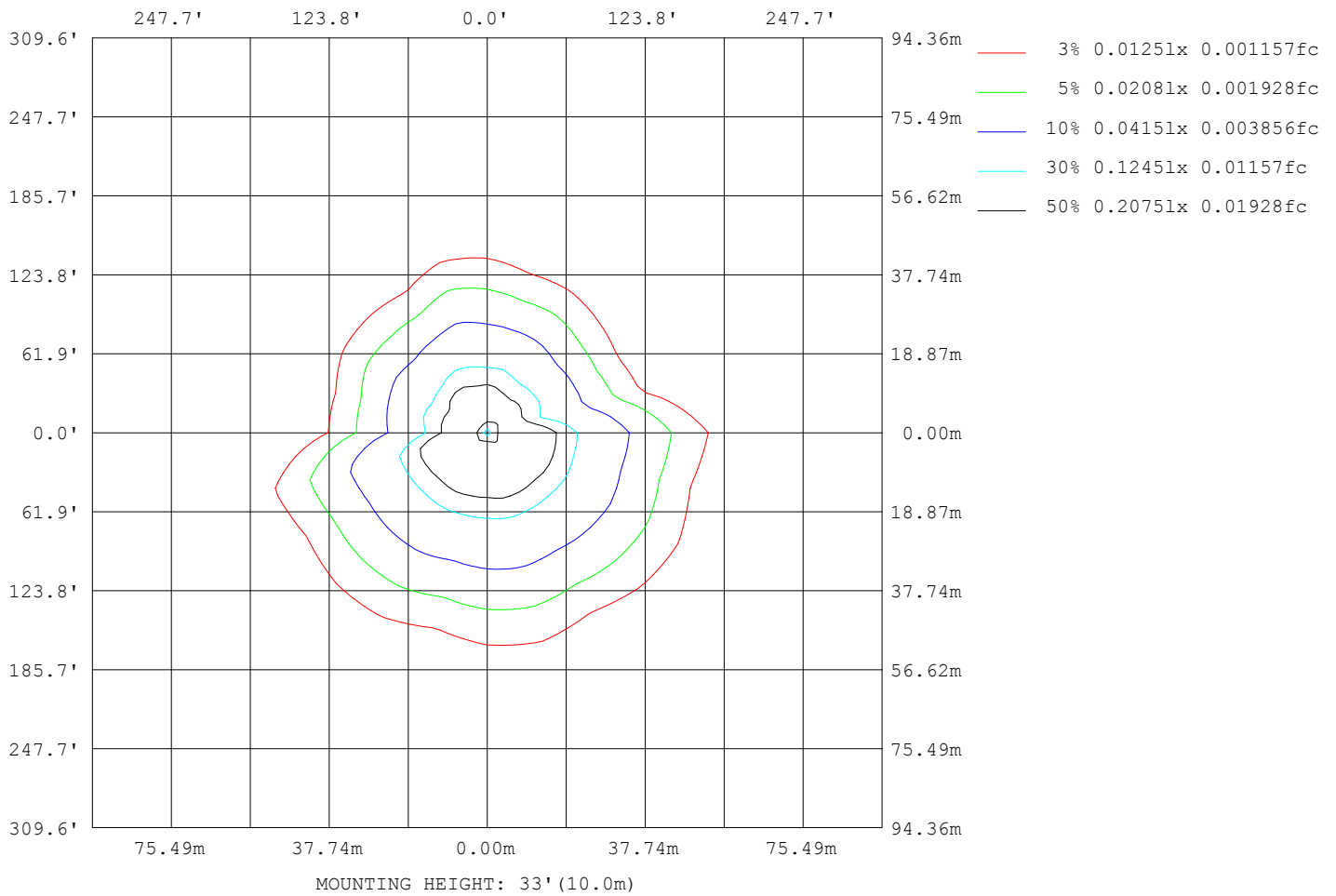
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:24.5°C
Operators:Dingmin Zhang
Test Date:2025-12-05

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:120.35V I:0.4093A P:48.511W PF:0.9848 Freq:60.01Hz Lamp Flux:1113.3x1 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:2025-12-05

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:120.35V I:0.4093A P:48.511W PF:0.9848 Freq:60.01Hz Lamp Flux:1113.3x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

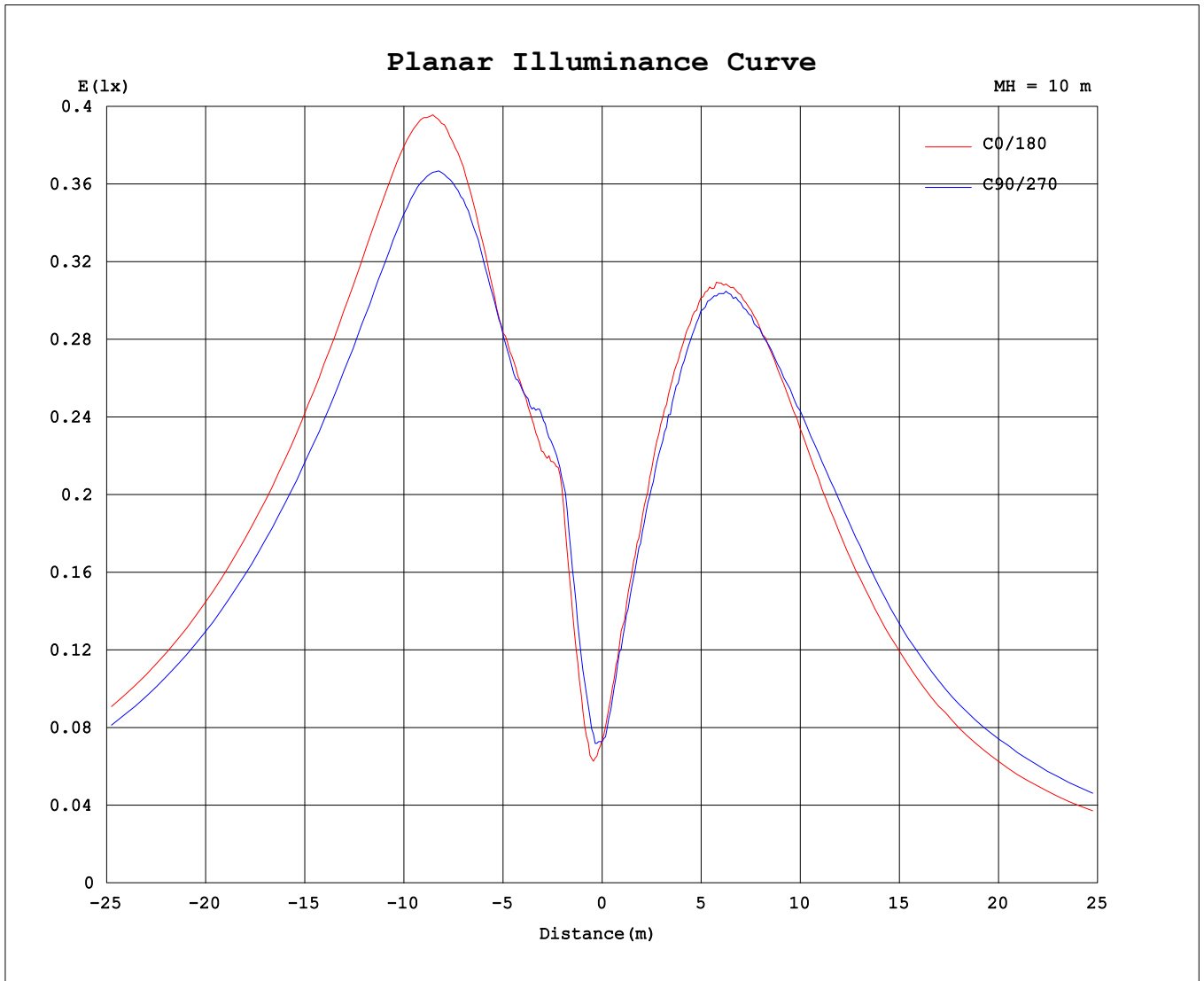
AvgL	cd/m2
L_0~180 (65) av	555
L_0~180 (75) av	1008
L_0~180 (85) av	2764
L_90~270 (65) av	549
L_90~270 (75) av	1008
L_90~270 (85) av	2687
L_45 (65) av	533
L_45 (75) av	974
L_45 (85) av	2581

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:2025-12-05

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: 2025-12-05

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:120.35V I:0.4093A P:48.511W PF:0.9848 Freq:60.01Hz Lamp Flux:1113.3x1 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	7.38	7.02	8.12	7.88	7.53	8.12	7.28	6.78	7.62	6.61	6.36	7.37	7.38	7.02	8.12	7.88	7.53	8.12	7.28
5	8.17	8.31	9.78	9.70	9.70	11.6	10.5	9.74	11.3	9.66	9.98	11.9	12.4	12.0	13.3	13.1	12.0	12.8	12.0
10	17.9	16.7	17.7	18.0	18.8	20.5	20.1	18.9	20.4	19.3	18.8	20.7	18.3	18.0	20.0	19.0	18.5	19.7	17.5
15	24.4	20.8	21.9	21.1	20.4	24.1	25.5	23.1	24.2	23.3	21.6	23.9	24.8	25.2	27.2	25.9	26.8	27.5	23.6
20	29.2	29.1	27.0	28.2	28.4	27.8	29.6	32.2	29.2	29.7	31.7	28.2	31.8	33.2	33.2	34.0	35.6	33.8	30.3
25	36.8	42.2	36.5	36.0	39.4	36.3	36.3	44.2	39.6	38.1	44.4	39.8	39.5	40.7	39.7	42.5	45.4	40.4	38.3
30	49.0	55.1	51.3	47.8	51.6	48.3	48.1	53.9	53.8	51.9	57.0	56.5	47.6	48.0	45.1	50.7	55.2	48.1	46.5
35	67.1	70.5	68.4	64.8	66.1	63.7	64.1	67.6	70.1	68.9	73.3	75.7	55.1	55.7	50.5	58.5	63.1	55.4	54.3
40	87.7	89.8	85.2	84.6	83.9	79.6	81.5	84.2	85.3	88.4	92.0	93.6	61.5	61.7	55.7	66.5	69.3	61.9	61.7
45	107	109	103	102	103	96.2	97.5	101	101	105	111	111	66.2	67.0	60.3	74.8	75.5	67.5	68.8
50	123	125	121	117	119	114	110	114	116	118	126	129	68.5	72.8	65.1	80.4	82.8	73.7	74.7
55	138	140	139	131	133	132	123	126	131	130	139	145	69.6	78.8	70.3	79.4	90.1	80.7	77.8
60	152	153	155	145	145	146	137	137	143	142	150	159	70.2	81.4	76.7	75.2	93.3	89.1	79.9
65	166	164	167	158	155	157	148	146	153	154	160	170	70.1	79.3	82.5	75.7	91.2	96.7	84.7
70	177	169	177	169	161	166	158	149	161	163	165	180	71.7	75.3	85.6	79.3	84.4	101	90.1
75	187	173	186	178	165	175	166	151	168	171	168	188	75.3	72.5	85.5	83.9	80.2	103	96.0
80	194	154	193	185	148	180	171	136	173	174	151	191	78.8	66.1	77.8	85.9	74.5	91.1	102
85	168	105	182	150	99.2	174	134	95.3	166	138	106	182	73.7	52.9	59.5	84.4	62.3	69.2	101
90	143	94.8	160	120	85.8	154	109	85.3	147	115	96.7	162	64.1	40.1	54.3	62.0	44.8	64.6	75.0
95	168	107	170	153	96.9	159	142	95.4	154	144	108	170	66.3	39.6	70.0	56.0	43.5	84.9	66.7
100	191	156	185	180	147	175	165	135	165	168	153	183	68.2	54.9	66.5	67.3	55.1	80.5	77.8
105	183	170	179	173	159	170	156	144	158	163	160	177	67.7	56.5	63.9	70.8	57.6	75.5	79.8
110	172	165	167	164	155	160	148	140	147	154	154	167	65.9	56.0	59.8	67.6	58.8	70.5	78.0
115	161	159	157	152	148	147	139	134	136	143	147	153	61.9	58.0	53.3	68.4	61.9	63.8	74.9
120	147	148	144	138	137	138	125	124	124	127	136	143	55.6	59.8	44.9	60.6	61.4	52.4	66.9
125	132	134	130	126	125	124	112	113	112	117	124	129	50.1	57.6	42.8	49.9	57.2	52.9	57.7
130	116	119	116	111	108	109	97.8	99.9	99.8	103	108	115	43.8	52.2	41.1	42.8	49.9	49.5	50.4
135	99.1	105	102	95.7	93.6	95.1	83.9	87.5	86.6	88.6	94.0	101	36.9	45.3	34.6	39.2	41.7	43.1	45.5
140	81.8	88.6	85.9	80.9	77.3	81.5	70.0	73.5	72.0	73.6	76.7	85.9	28.6	37.0	26.1	35.8	36.8	35.9	40.8
145	67.2	71.9	70.5	66.9	64.5	67.9	56.5	59.3	58.0	60.1	63.2	70.0	24.4	29.6	21.3	29.8	30.5	29.0	33.3
150	49.4	58.4	56.7	49.4	52.5	51.4	41.1	47.8	44.7	44.0	50.7	51.2	12.3	23.9	13.1	19.3	20.4	17.9	25.0
155	37.1	45.5	41.9	34.4	42.1	36.8	30.6	35.6	34.3	32.1	37.3	37.2	8.29	15.8	10.8	7.53	20.3	10.3	12.6
160	32.0	37.6	33.3	28.3	33.3	30.1	26.7	26.0	26.4	27.5	30.9	30.1	7.95	10.0	10.9	9.21	11.4	15.6	10.7
165	27.3	28.3	27.0	23.9	26.0	26.3	20.1	21.8	22.6	21.6	24.1	25.0	8.20	7.91	7.12	7.34	10.5	11.0	11.1
170	19.6	21.0	21.3	17.2	18.2	18.2	14.2	14.9	16.2	15.0	16.6	17.7	10.5	10.6	10.7	9.21	10.6	12.0	9.73
175	12.4	12.7	13.3	11.2	10.7	11.2	8.95	8.69	9.70	9.62	9.94	10.7	5.69	6.33	4.77	5.27	5.52	6.33	7.36
180	7.20	7.06	7.70	6.96	6.79	6.94	6.19	5.43	6.19	5.93	5.85	5.94	6.70	6.95	6.70	7.53	6.78	6.53	7.20

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:24.5°C
 Operators:Dingmin Zhang
 Test Date:2025-12-05

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:120.35V I:0.4093A P:48.511W PF:0.9848 Freq:60.01Hz Lamp Flux:1113.3x1 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	6.78	7.62	6.61	6.36	7.37														
5	10.3	10.5	10.4	10.0	10.5														
10	15.5	15.8	15.6	15.1	16.1														
15	22.2	22.3	21.1	21.5	22.0														
20	29.4	28.3	27.3	28.2	26.0														
25	37.6	33.8	34.0	34.9	30.5														
30	46.0	39.7	41.0	41.2	35.7														
35	54.5	45.5	47.2	47.4	40.7														
40	60.1	50.4	53.6	52.0	45.0														
45	64.2	54.3	60.2	56.9	48.4														
50	69.9	58.5	65.2	62.0	52.2														
55	76.5	63.7	65.7	67.4	57.2														
60	81.4	70.5	64.8	71.0	63.5														
65	83.1	77.2	65.9	70.8	69.3														
70	82.4	81.0	69.0	66.8	73.1														
75	82.4	82.4	73.1	64.9	74.4														
80	80.1	78.0	77.2	60.5	67.5														
85	66.3	65.6	80.1	49.6	51.4														
90	52.1	67.8	61.5	36.5	50.6														
95	51.3	86.8	62.8	39.1	75.7														
100	70.7	83.7	80.4	58.4	76.3														
105	71.7	79.8	84.8	64.9	72.7														
110	71.2	77.3	84.6	66.0	68.2														
115	72.5	70.8	84.6	70.6	62.1														
120	73.4	58.8	75.3	74.1	50.8														
125	69.1	56.6	64.2	70.7	56.7														
130	63.7	54.0	56.6	64.3	55.0														
135	57.4	46.5	51.5	53.5	48.1														
140	49.2	36.9	46.8	45.9	38.9														
145	40.3	31.4	39.8	39.8	32.0														
150	29.1	16.3	21.5	36.3	16.6														
155	22.5	11.6	8.59	20.9	15.7														
160	15.7	15.2	9.70	13.7	15.0														
165	13.0	11.5	9.39	9.44	7.71														
170	15.2	16.9	16.1	17.9	18.1														
175	8.56	8.70	9.41	10.4	9.79														
180	6.19	5.61	6.19	6.19	6.03														

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:24.5°C
 Operators:Dingmin Zhang
 Test Date:2025-12-05

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: