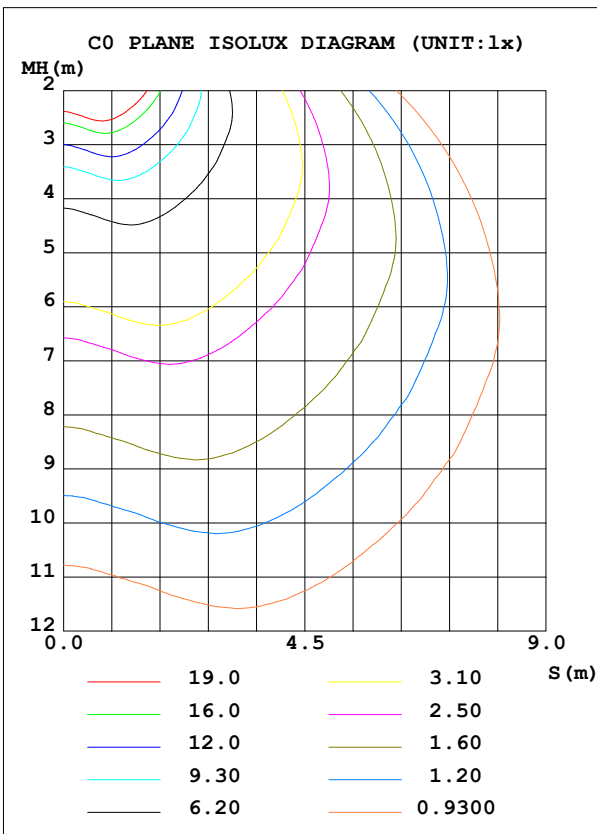
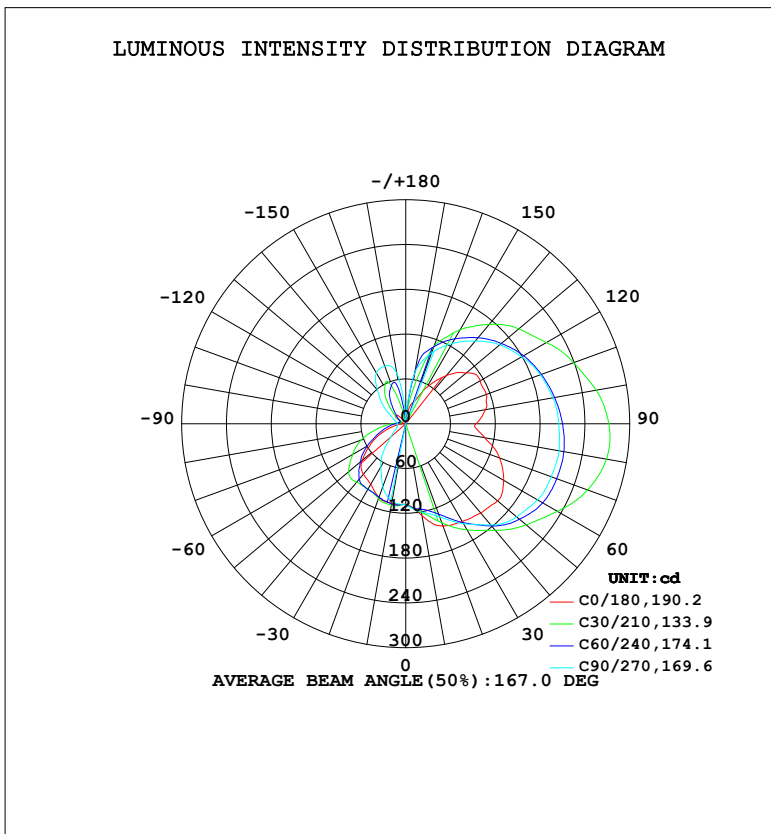


LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:120.08V I:1.2788A P:153.19W PF:0.9976 Freq:60.02Hz Lamp Flux:1464.6lx1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA			
MODEL	HF7107-AB-WHT	Imax (cd)	295.9	S/MH (C0/180)	1.31
NOMINAL POWER (W)		LOR (%)	100.0	S/MH (C90/270)	0.98
RATED VOLTAGE (V)	120	TOTAL FLUX (lm)	1464.6	η UP, DN (C0-180)	38.4, 43.7
NOMINAL FLUX (lm)	1464.61	CIE CLASS	DIFFUSE	η UP, DN (C180-360)	8.2, 9.7
LAMPS INSIDE	1	η up (%)	46.7	CIBSE SHR NOM	1.50
TEST VOLTAGE (V)	120.211	η down (%)	53.3	CIBSE SHR MAX	1.55



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:

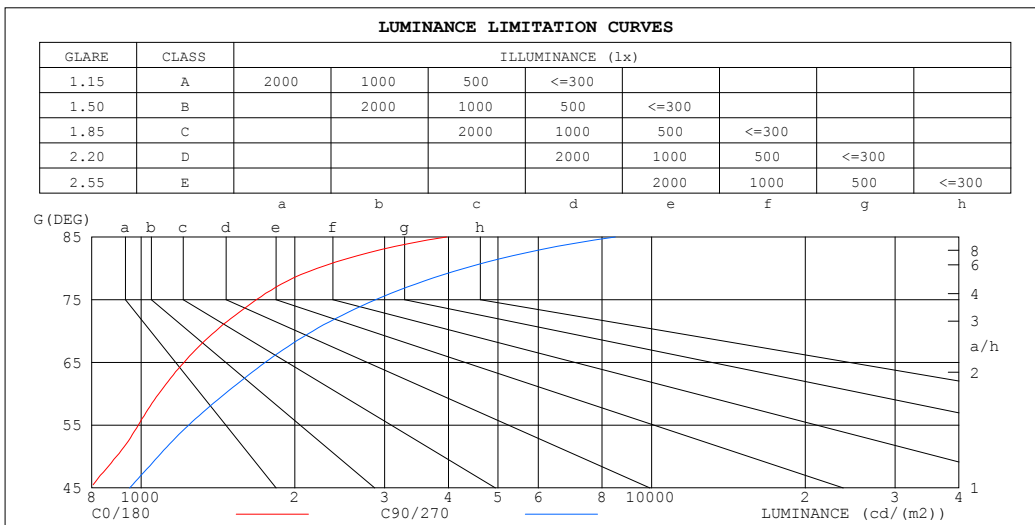
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum, lamp
10	125.0	118.5	119.8	139.6	108.1	110.0	105.5	101.7	0- 10	10.84	10.84	0.74,0.74
20	145.9	135.7	132.6	162.7	105.1	104.8	89.85	82.00	10- 20	33.54	44.38	3.03,3.03
30	151.2	165.6	154.6	192.2	93.76	103.7	66.67	51.31	20- 30	55.84	100.2	6.84,6.84
40	156.4	192.6	176.8	228.6	88.47	105.7	44.60	26.87	30- 40	78.21	178.4	12.2,12.2
50	160.7	216.2	193.9	250.4	76.21	96.27	24.86	13.28	40- 50	99.75	278.2	19,19
60	151.3	233.5	203.9	272.3	53.99	79.74	16.67	7.355	50- 60	115.3	393.5	26.9,26.9
70	133.8	247.5	207.4	282.1	32.13	56.35	12.31	5.776	60- 70	126.6	520.1	35.5,35.5
80	107.3	252.0	208.5	292.4	14.07	33.82	10.99	9.242	70- 80	130.5	650.5	44.4,44.4
90	94.08	246.7	204.9	292.7	2.240	18.46	11.22	20.44	80- 90	130.7	781.2	53.3,53.3
100	108.2	235.4	200.4	288.2	1.399	8.849	12.47	40.18	90-100	128.4	909.6	62.1,62.1
110	114.9	219.6	192.0	271.7	5.051	7.061	16.75	67.92	100-110	124.0	1034	70.6,70.6
120	115.3	202.5	179.5	248.3	11.31	8.936	24.48	93.64	110-120	115.8	1149	78.5,78.5
130	106.2	183.4	164.7	222.0	16.67	14.53	40.66	112.5	120-130	102.9	1252	85.5,85.5
140	84.04	162.2	144.9	184.1	11.44	23.97	58.87	116.9	130-140	85.90	1338	91.4,91.4
150	56.31	142.9	124.4	151.7	4.233	40.11	78.85	107.8	140-150	64.10	1402	95.7,95.7
160	30.47	117.0	100.8	117.0	0	59.29	82.15	102.0	150-160	41.15	1443	98.6,98.6
170	17.24	53.15	68.25	60.41	0	19.74	68.19	62.95	160-170	18.68	1462	99.8,99.8
180	0.1727	0	3.043	4.122	0.1603	0	3.507	4.125	170-180	2.451	1465	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:120.08V I:1.2788A P:153.19W PF:0.9976 Freq:60.02Hz Lamp Flux:1464.6lx1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:



LUMINANCE cd/(m2)		
G (DEG)	C0/180	C90/270
85	3967	8490
80	2212	4297
75	1681	2880
70	1401	2170
65	1214	1749
60	1083	1459
55	988	1240
50	895	1080
45	798	950

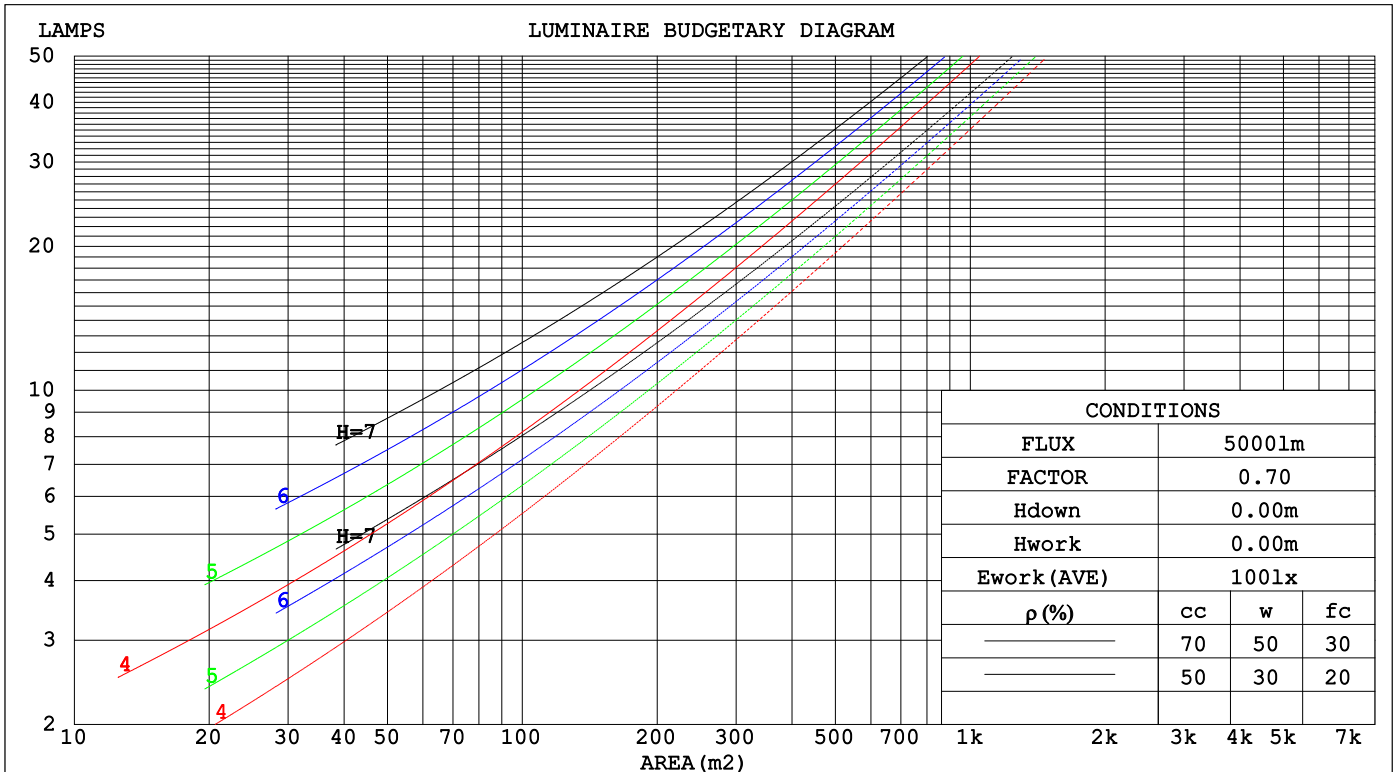
C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature: 24.5°C
 Operators: Dingmin Zhang
 Test Date: 2025-12-05

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:120.08V I:1.2788A P:153.19W PF:0.9976 Freq:60.02Hz																
Lamp Flux:1464.6lx1 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	1.00	1.00	1.00	.85	.85	.85	.72	.72	.72	.59	.59	.59	.53
1.0	.88	.82	.77	.81	.76	.72	.68	.64	.61	.56	.53	.51	.45	.43	.41	.36
2.0	.74	.66	.60	.68	.61	.55	.57	.52	.47	.47	.43	.39	.37	.34	.32	.27
3.0	.64	.55	.48	.59	.51	.44	.49	.43	.38	.40	.35	.31	.32	.28	.25	.21
4.0	.56	.46	.39	.51	.43	.37	.43	.36	.31	.35	.30	.26	.28	.24	.21	.17
5.0	.49	.40	.33	.45	.37	.31	.38	.31	.26	.31	.26	.22	.25	.20	.17	.14
6.0	.44	.35	.28	.40	.32	.26	.34	.27	.22	.28	.22	.18	.22	.18	.15	.12
7.0	.39	.30	.24	.36	.28	.22	.30	.24	.19	.25	.20	.16	.20	.16	.13	.10
8.0	.35	.27	.21	.33	.25	.20	.28	.21	.17	.23	.18	.14	.18	.14	.11	.09
9.0	.32	.24	.18	.30	.22	.17	.25	.19	.15	.21	.16	.12	.17	.13	.10	.08
10.0	.29	.22	.16	.27	.20	.15	.23	.17	.13	.19	.14	.11	.15	.12	.09	.07



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

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:120.08V I:1.2788A P:153.19W PF:0.9976 Freq:60.02Hz								
Lamp Flux:1464.6lx1 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	.380	.217	.069	.340	.195	.062	.303	.175	.056	.269	.156	.050	
2.0	.337	.185	.057	.318	.175	.054	.281	.156	.049	.248	.139	.043	.216	.122	.039	
3.0	.296	.157	.047	.278	.149	.045	.244	.132	.040	.213	.117	.036	.185	.102	.032	
4.0	.264	.137	.040	.248	.130	.038	.217	.115	.034	.188	.101	.031	.162	.088	.027	
5.0	.238	.122	.035	.224	.115	.033	.195	.102	.030	.169	.089	.027	.145	.077	.023	
6.0	.218	.109	.031	.204	.103	.030	.178	.091	.027	.154	.080	.023	.131	.069	.020	
7.0	.200	.099	.028	.187	.093	.027	.163	.083	.024	.141	.072	.021	.120	.062	.018	
8.0	.185	.090	.025	.173	.085	.024	.151	.075	.022	.130	.066	.019	.110	.057	.016	
9.0	.172	.083	.023	.161	.079	.022	.140	.069	.020	.121	.061	.017	.102	.052	.015	
10.0	.161	.077	.021	.151	.073	.020	.131	.064	.018	.113	.056	.016	.096	.048	.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	.546	.546	.546	.467	.467	.467	.318	.318	.318	.183	.183	.183	.058	.058	.058	
1.0	.545	.514	.486	.466	.441	.418	.319	.303	.289	.184	.176	.168	.059	.057	.054	
2.0	.539	.493	.453	.462	.424	.392	.316	.293	.273	.182	.171	.160	.059	.055	.052	
3.0	.532	.477	.433	.456	.412	.376	.313	.286	.264	.181	.167	.155	.058	.054	.051	
4.0	.525	.466	.421	.450	.402	.365	.310	.280	.257	.179	.164	.152	.058	.053	.050	
5.0	.517	.457	.412	.444	.395	.358	.306	.276	.253	.177	.162	.150	.057	.053	.049	
6.0	.510	.449	.405	.439	.389	.353	.303	.272	.250	.176	.160	.148	.057	.052	.049	
7.0	.504	.443	.401	.433	.384	.349	.299	.269	.247	.174	.159	.147	.056	.052	.049	
8.0	.497	.438	.397	.428	.380	.346	.296	.267	.246	.172	.157	.146	.056	.052	.048	
9.0	.491	.433	.394	.423	.376	.344	.293	.264	.244	.171	.156	.146	.055	.051	.048	
10.0	.485	.429	.392	.418	.373	.342	.290	.262	.243	.169	.155	.145	.055	.051	.048	

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:120.08V I:1.2788A P:153.19W PF:0.9976 Freq:60.02Hz										
Lamp Flux:1464.6lx1 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	12.4	13.5	13.2	14.3	15.4	12.4	13.5	13.2	14.3	15.4
3H	15.3	16.3	16.2	17.2	18.3	15.5	16.5	16.4	17.4	18.6
4H	16.8	17.8	17.7	18.7	19.8	17.4	18.3	18.2	19.2	20.3
6H	18.2	19.1	19.1	20.0	21.2	19.4	20.3	20.3	21.2	22.4
8H	18.9	19.8	19.8	20.7	21.9	20.5	21.4	21.4	22.3	23.5
12H	19.7	20.5	20.6	21.4	22.6	21.9	22.7	22.8	23.6	24.8
4H 2H	13.8	14.7	14.6	15.6	16.8	13.7	14.6	14.6	15.5	16.7
3H	17.1	18.0	18.0	18.9	20.1	16.9	17.7	17.8	18.7	19.8
4H	18.9	19.7	19.8	20.6	21.8	18.8	19.5	19.7	20.5	21.7
6H	20.6	21.3	21.6	22.3	23.5	20.9	21.5	21.8	22.5	23.7
8H	21.5	22.1	22.4	23.1	24.3	22.1	22.7	23.0	23.6	24.9
12H	22.3	22.9	23.3	23.9	25.2	23.4	24.0	24.4	25.0	26.2
8H 4H	19.9	20.6	20.9	21.5	22.8	19.8	20.4	20.7	21.4	22.6
6H	22.2	22.8	23.2	23.8	25.0	22.1	22.6	23.0	23.6	24.9
8H	23.4	23.9	24.4	24.9	26.2	23.4	23.9	24.4	24.8	26.1
12H	24.7	25.1	25.7	26.1	27.4	24.9	25.3	25.9	26.3	27.6
12H 4H	20.1	20.7	21.1	21.7	22.9	20.1	20.7	21.0	21.6	22.9
6H	22.7	23.1	23.6	24.1	25.4	22.5	23.0	23.5	24.0	25.3
8H	24.1	24.5	25.1	25.5	26.8	23.9	24.4	24.9	25.4	26.7
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 / - 0.3					+ 0.2 / - 0.2				
2.0H	+ 0.4 / - 0.5					+ 0.3 / - 0.3				

CIE Pub.117, 1465 lm Total Lamp Luminous Flux Corrected (8log(F/F0) = 1.3)
 Area: 0.2794 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:120.08V I:1.2788A P:153.19W PF:0.9976 Freq:60.02Hz Lamp Flux:1464.6lx1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

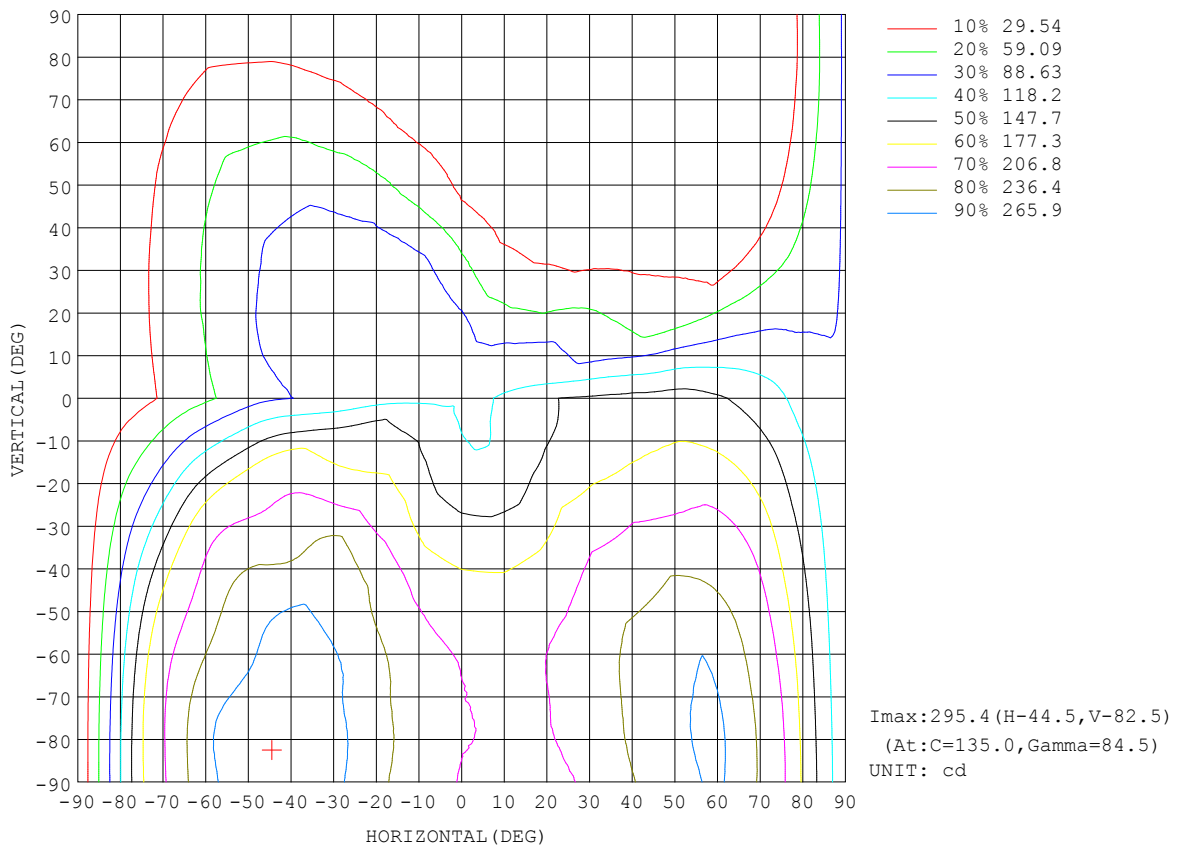
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS (PERCENT) k(RI) x RCR = 5									
k = 0.60	37	25	18	36	24	17	32	22	16	9
0.80	46	32	24	43	31	23	39	28	21	12
1.00	53	39	30	50	37	29	44	35	26	15
1.25	60	46	37	56	44	35	49	39	32	18
1.50	65	52	42	61	49	40	53	43	36	21
2.00	73	61	51	68	57	48	58	50	43	25
2.50	78	67	57	73	62	54	62	54	48	28
3.00	82	71	63	76	67	59	65	58	52	31
4.00	87	78	70	81	73	66	69	63	57	34
5.00	91	83	76	84	77	71	71	66	61	37
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:120.08V I:1.2788A P:153.19W PF:0.9976 Freq:60.02Hz Lamp Flux:1464.6lx1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:



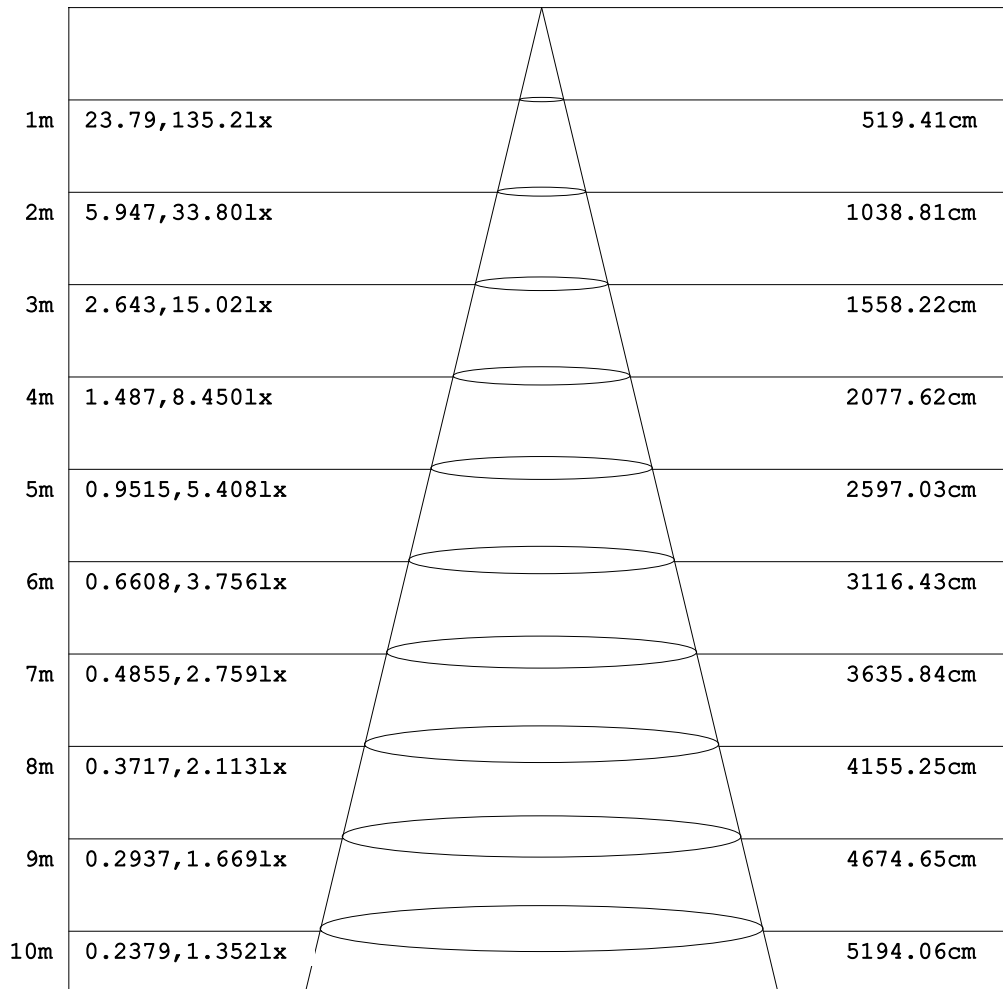
C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:24.5°C
 Operators:Dingmin Zhang
 Test Date:2025-12-05

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:120.08V I:1.2788A P:153.19W PF:0.9976 Freq:60.02Hz Lamp Flux:1464.6lx1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

Flux out:507.2 lm



Height Eavg, Emax Angle:137.88deg Diameter

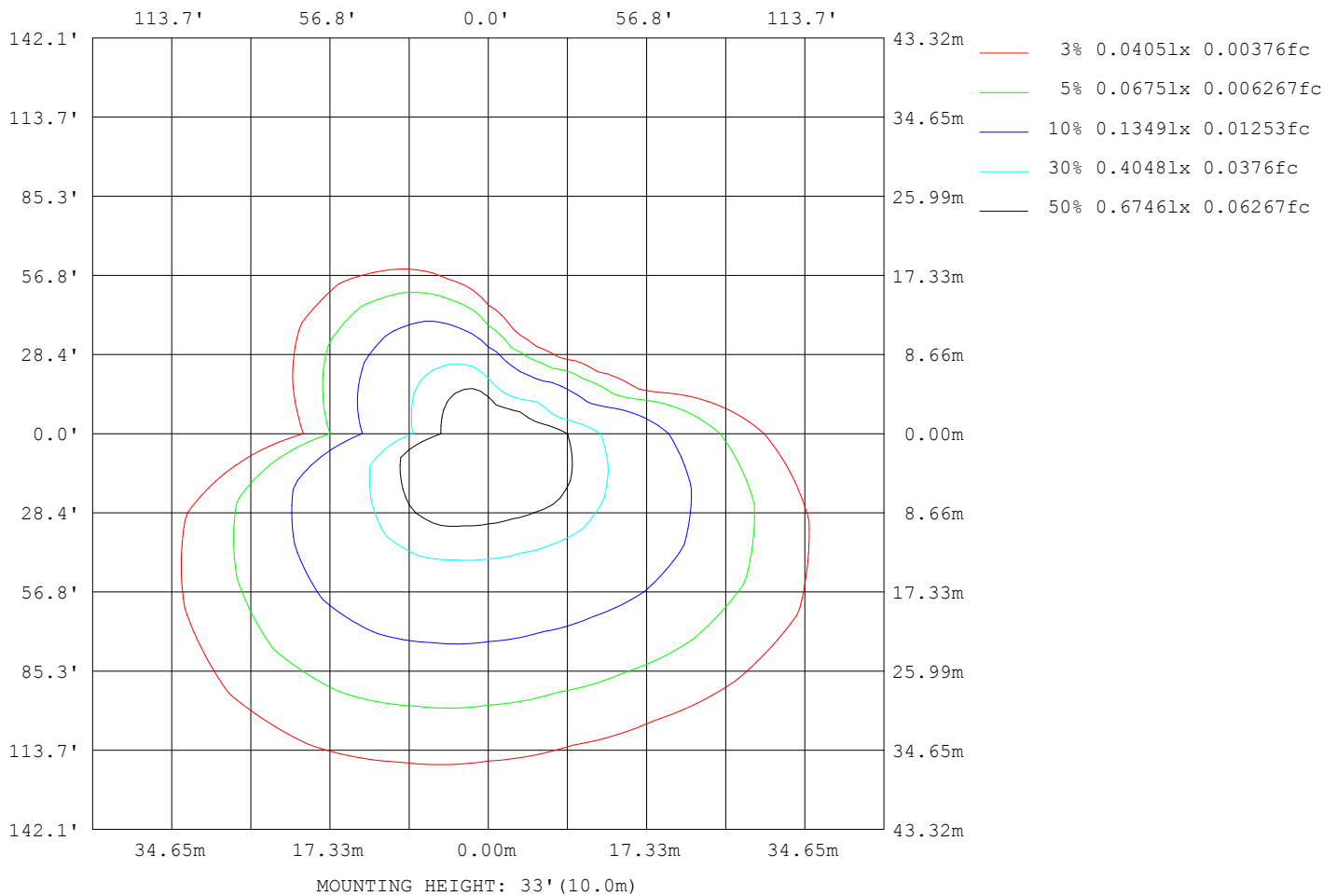
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

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:120.08V I:1.2788A P:153.19W PF:0.9976 Freq:60.02Hz Lamp Flux:1464.6lx1 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:120.08V I:1.2788A P:153.19W PF:0.9976 Freq:60.02Hz Lamp Flux:1464.6lx1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

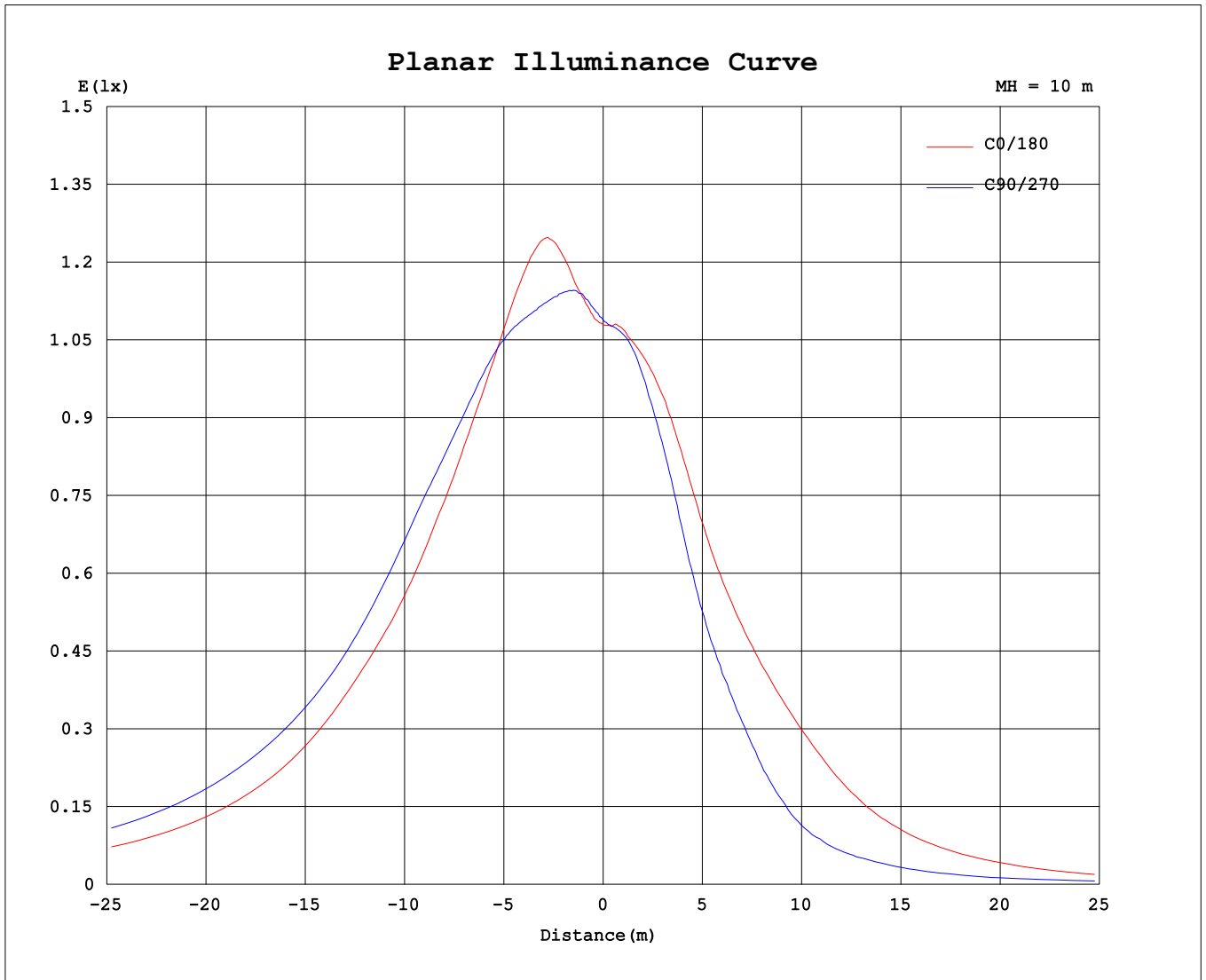
AvgL	cd/m2
L_0~180 (65) av	791
L_0~180 (75) av	993
L_0~180 (85) av	2138
L_90~270 (65) av	933
L_90~270 (75) av	1518
L_90~270 (85) av	4469
L_45 (65) av	1261
L_45 (75) av	2031
L_45 (85) av	6011

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:120.08V I:1.2788A P:153.19W PF:0.9976 Freq:60.02Hz		
Lamp Flux:1464.6lx1 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	108	108	108	108	109	109	109	108	109	110	109	108	108	108	108	108	109	109	109
5	113	114	114	114	113	113	114	119	122	128	122	115	109	110	110	110	109	108	108
10	125	123	121	118	116	116	120	129	134	140	138	130	108	110	111	110	109	107	106
15	138	134	129	125	121	121	125	134	143	149	147	143	108	111	110	107	107	105	99.3
20	146	143	141	136	129	129	133	141	156	163	154	149	105	107	107	105	105	102	89.9
25	149	150	153	151	140	140	143	153	171	179	164	153	99.6	101	102	103	102	97.7	77.2
30	151	156	164	166	153	150	155	165	184	192	176	159	93.8	96.4	101	104	102	92.8	66.7
35	154	161	174	179	165	161	165	176	197	207	188	170	90.8	94.5	101	105	101	87.4	57.1
40	156	170	186	193	179	173	177	189	215	229	205	180	88.5	93.8	102	106	97.2	77.0	44.6
45	158	179	200	205	191	183	188	201	230	245	218	188	84.5	93.7	104	103	89.4	62.9	32.2
50	161	188	211	216	199	190	194	209	239	250	221	189	76.2	89.4	99.9	96.3	79.3	51.2	24.9
55	158	196	222	225	206	195	199	215	246	258	228	190	65.0	78.9	91.3	88.7	70.5	42.1	20.6
60	151	206	235	234	212	199	204	222	257	272	241	192	54.0	68.6	82.2	79.7	59.3	33.8	16.7
65	143	212	248	242	214	201	207	227	264	280	248	192	43.4	59.4	73.2	68.2	47.9	26.9	13.8
70	134	216	259	248	215	200	207	229	266	282	248	186	32.1	49.4	63.3	56.4	38.7	22.0	12.3
75	122	216	268	250	215	200	208	232	269	286	251	184	22.0	37.4	50.9	44.2	31.2	18.1	11.3
80	107	214	273	252	215	200	208	233	273	292	260	184	14.1	27.2	38.0	33.8	24.2	15.0	11.0
85	96.6	214	274	251	213	198	207	233	275	296	263	180	7.51	19.0	26.9	24.9	18.6	12.6	10.9
90	94.1	214	272	247	210	196	205	230	273	293	259	175	2.24	12.8	18.5	18.5	14.4	11.2	11.2
95	102	211	267	242	207	194	203	228	270	291	259	173	1.14	8.36	12.0	12.7	11.2	10.4	11.9
100	108	207	259	235	203	191	200	225	266	288	260	176	1.40	6.51	7.49	8.85	9.24	9.73	12.5
105	112	203	249	227	198	187	196	220	260	280	255	175	3.11	7.74	5.68	7.14	8.18	9.76	14.5
110	115	200	239	220	193	183	192	216	254	272	246	171	5.05	11.8	5.83	7.06	8.23	10.1	16.7
115	114	196	230	212	188	179	187	210	247	263	236	167	7.62	16.6	7.46	7.51	8.66	11.3	20.4
120	115	187	218	202	182	172	180	201	236	248	222	163	11.3	21.5	10.1	8.94	10.2	13.3	24.5
125	115	178	206	192	175	166	172	192	224	233	206	158	17.0	27.8	14.9	11.6	12.6	16.9	32.6
130	106	171	198	183	167	160	165	183	212	222	194	153	16.7	35.5	21.0	14.5	15.8	21.8	40.7
135	97.0	162	187	174	159	152	155	171	197	206	180	148	16.6	41.6	28.4	18.1	20.2	27.0	49.2
140	84.0	151	174	162	151	143	145	158	180	184	160	137	11.4	49.2	38.6	24.0	26.1	35.0	58.9
145	70.3	138	160	152	141	134	135	145	163	166	147	128	7.92	56.3	48.8	32.0	34.2	46.6	70.8
150	56.3	121	145	143	131	125	124	131	147	152	137	116	4.23	59.4	56.3	40.1	43.6	56.9	78.9
155	40.0	89.7	128	131	121	116	113	118	129	135	124	90.3	0.56	31.8	62.7	48.8	50.0	62.4	81.8
160	30.5	58.6	109	117	110	105	101	104	112	117	104	66.6	0.00	10.3	50.3	59.3	55.3	66.6	82.1
165	26.1	40.6	69.0	96.5	98.4	94.1	87.2	89.2	95.4	98.4	73.2	46.1	0.00	0.57	24.0	50.1	57.5	65.4	80.1
170	17.2	23.3	34.0	53.2	68.4	71.5	68.2	67.2	68.4	60.4	42.1	27.6	0.00	0.00	5.46	19.7	36.9	53.3	68.2
175	7.57	7.31	10.3	16.1	21.3	23.8	24.2	24.6	24.1	21.4	17.0	13.1	0.00	0.00	2.40	6.17	7.57	18.1	29.5
180	0.17	0.00	0.00	0.00	1.11	3.30	3.04	3.08	3.20	4.12	3.84	4.39	0.16	0.08	0.00	0.00	0.00	1.85	3.51

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:120.08V I:1.2788A P:153.19W PF:0.9976 Freq:60.02Hz Lamp Flux:1464.6lx1 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	108	109	110	109	108														
5	103	100	102	110	109														
10	96.3	94.9	102	112	110														
15	85.9	86.6	96.0	108	107														
20	72.5	72.4	82.0	100.0	101														
25	57.7	55.7	65.5	89.3	92.9														
30	44.6	42.3	51.3	78.5	87.1														
35	34.6	30.5	37.9	65.7	80.0														
40	25.6	21.5	26.9	49.7	68.9														
45	17.3	15.2	19.2	36.1	57.6														
50	13.3	11.9	13.3	26.1	49.0														
55	11.4	9.17	9.85	18.0	40.5														
60	9.33	7.55	7.36	12.0	33.1														
65	8.82	6.94	5.82	7.81	26.3														
70	9.02	7.25	5.78	5.60	17.8														
75	9.34	8.27	7.19	5.49	10.6														
80	10.1	9.99	9.24	7.22	6.57														
85	11.2	12.9	13.8	11.0	6.64														
90	13.3	17.7	20.4	17.1	8.85														
95	16.1	23.2	29.0	25.5	14.1														
100	19.1	29.8	40.2	35.9	21.6														
105	23.7	39.5	53.8	48.7	29.8														
110	30.2	50.3	67.9	57.9	37.2														
115	36.9	63.8	81.7	69.1	45.9														
120	45.9	76.5	93.6	79.8	53.3														
125	57.8	89.3	103	88.7	61.0														
130	70.2	99.3	112	96.4	68.4														
135	78.9	108	118	101	74.4														
140	87.0	111	117	100	71.9														
145	92.4	107	111	96.9	61.5														
150	92.8	104	108	95.8	56.6														
155	92.1	103	107	92.9	54.1														
160	89.7	98.5	102	88.9	51.5														
165	82.7	88.7	91.9	72.0	40.3														
170	67.9	67.3	63.0	44.4	24.1														
175	29.5	27.7	23.0	15.0	8.68														
180	3.32	3.84	4.13	4.03	3.66														

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: