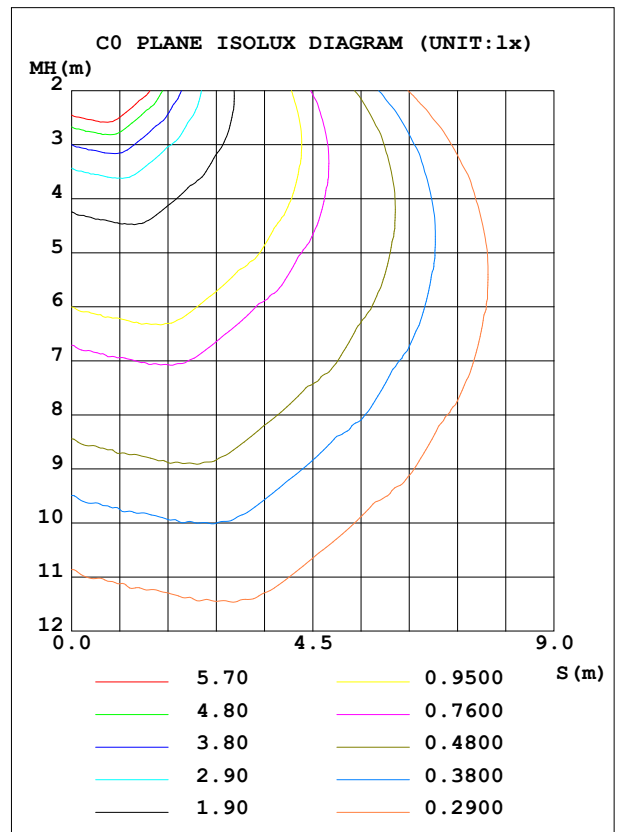
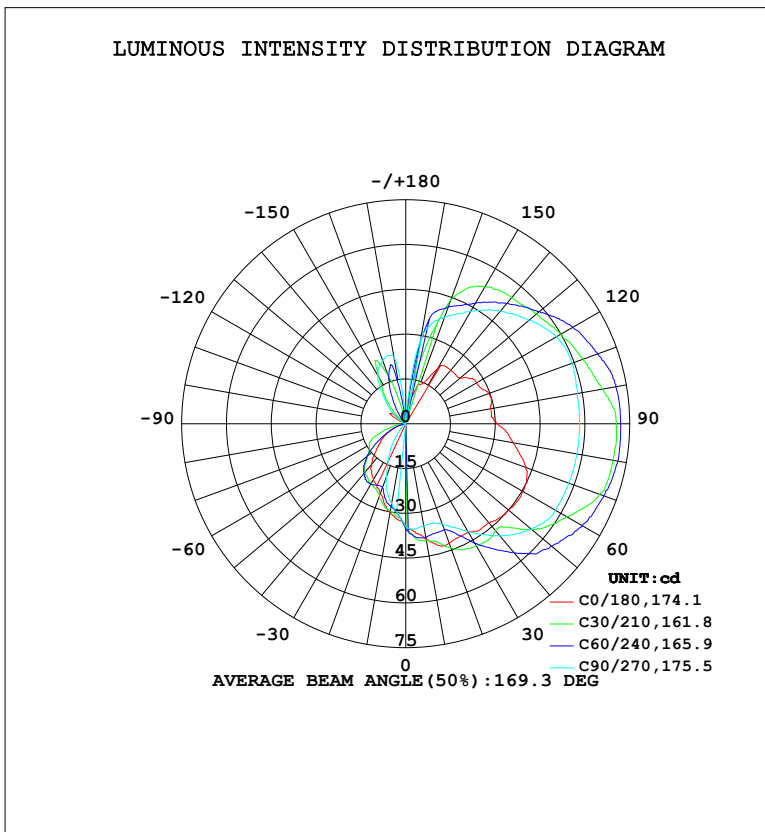


LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:120.08V I:1.2834A P:153.80W PF:0.9979 Freq:60.01Hz Lamp Flux:382.014x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA			
MODEL	HF7107-BK-SMK	Imax (cd)	75.53	S/MH (C0/180)	0.93
NOMINAL POWER (W)		LOR (%)	100.0	S/MH (C90/270)	0.69
RATED VOLTAGE (V)	120	TOTAL FLUX (lm)	382.01	η UP, DN (C0-180)	43.0, 45.3
NOMINAL FLUX (lm)	382.014	CIE CLASS	DIFFUSE	η UP, DN (C180-360)	5.3, 6.4
LAMPS INSIDE	1	η up (%)	48.3	CIBSE SHR NOM	1.25
TEST VOLTAGE (V)	120.085	η down (%)	51.7	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: 2025-12-04

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:

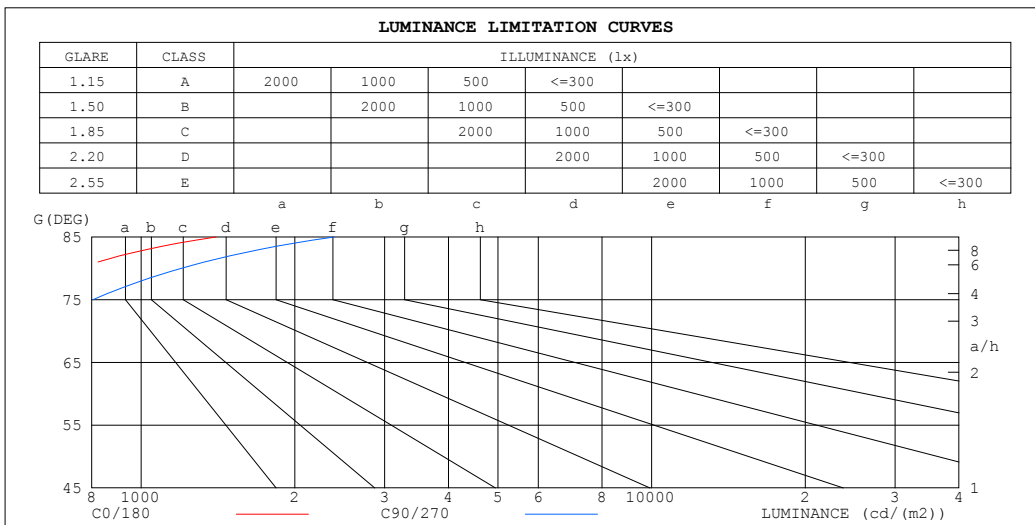
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	$\%lum, lamp$
10	39.12	39.69	34.63	35.80	30.26	28.87	27.15	28.46	0- 10	3.210	3.210	0.84,0.84
20	42.54	40.60	35.65	40.09	24.99	24.36	19.17	17.90	10- 20	8.895	12.10	3.17,3.17
30	41.89	48.04	41.66	46.94	21.77	23.53	10.35	8.062	20- 30	13.90	26.01	6.81,6.81
40	43.18	55.86	48.98	53.16	17.71	22.21	4.148	2.282	30- 40	19.23	45.24	11.8,11.8
50	44.98	62.32	55.01	59.01	12.26	17.80	1.409	0	40- 50	24.02	69.26	18.1,18.1
60	45.31	68.47	57.89	63.83	8.209	13.69	0.0863	0	50- 60	28.60	97.86	25.6,25.6
70	42.81	75.04	58.10	68.25	3.506	7.337	0	0	60- 70	31.96	129.8	34,34
80	36.45	75.01	58.20	70.10	0	2.244	0	0	70- 80	33.66	163.5	42.8,42.8
90	30.58	73.89	58.20	70.56	0	0	0	0	80- 90	34.01	197.5	51.7,51.7
100	28.94	70.15	58.42	69.66	0	0	0	2.500	90-100	33.65	231.1	60.5,60.5
110	29.59	64.97	59.25	66.89	0.7446	0	0.0895	6.863	100-110	32.18	263.3	68.9,68.9
120	27.38	61.05	58.27	63.27	5.000	0	1.843	14.37	110-120	30.12	293.4	76.8,76.8
130	23.81	56.36	53.95	59.47	3.307	0	5.844	20.69	120-130	27.18	320.6	83.9,83.9
140	23.43	51.47	49.35	54.27	0.0923	2.453	11.05	23.71	130-140	23.17	343.8	90,90
150	21.27	47.94	43.43	47.23	0	8.409	18.85	23.94	140-150	18.44	362.2	94.8,94.8
160	14.03	44.12	37.85	40.26	0	21.23	22.55	23.81	150-160	12.69	374.9	98.1,98.1
170	7.205	18.87	28.29	23.36	0	2.717	22.53	20.12	160-170	6.364	381.3	99.8,99.8
180	0	0	0	0	0	0	0	0	170-180	0.7255	382.0	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:24.5°C
 Operators: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:120.08V I:1.2834A P:153.80W PF:0.9979 Freq:60.01Hz Lamp Flux:382.014x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:



LUMINANCE cd/(m2)		
G (DEG)	C0/180	C90/270
85	1402	2390
80	751	1200
75	546	805
70	448	608
65	377	491
60	324	414
55	284	355
50	250	306
45	225	264

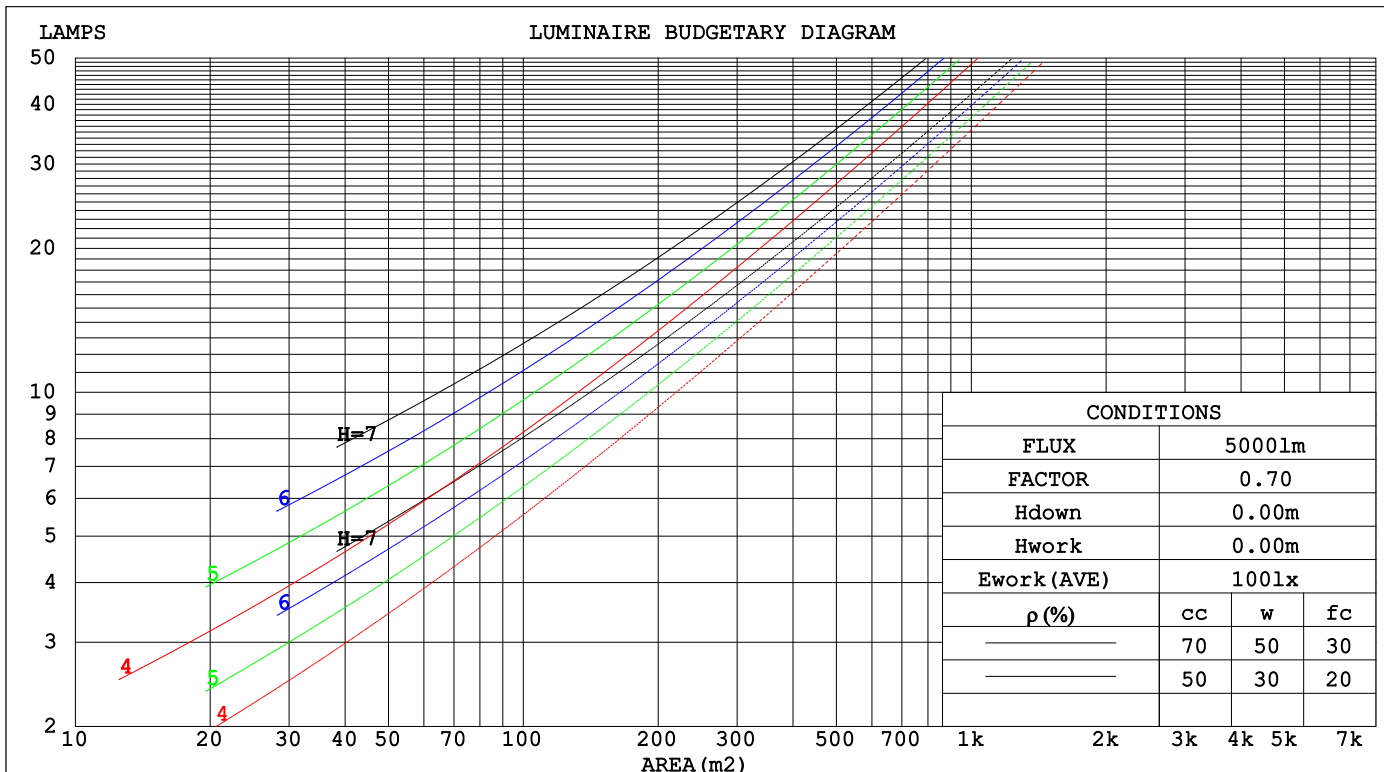
C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature: 24.5°C
 Operators: Dingmin Zhang
 Test Date: 2025-12-04

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:120.08V I:1.2834A P:153.80W PF:0.9979 Freq:60.01Hz		
Lamp Flux:382.014x1 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	.99	.99	.99	.84	.84	.84	.70	.70	.70	.58	.58	.58	.52
1.0	.88	.82	.77	.81	.76	.71	.67	.64	.60	.55	.52	.50	.44	.42	.40	.35
2.0	.74	.66	.60	.68	.61	.55	.57	.51	.47	.46	.42	.38	.36	.33	.31	.26
3.0	.64	.55	.48	.59	.51	.44	.49	.42	.37	.40	.35	.31	.31	.27	.24	.20
4.0	.56	.46	.39	.51	.43	.36	.43	.36	.31	.34	.29	.25	.27	.23	.20	.16
5.0	.49	.40	.33	.45	.37	.31	.38	.31	.26	.31	.25	.21	.24	.20	.17	.13
6.0	.44	.35	.28	.40	.32	.26	.34	.27	.22	.27	.22	.18	.21	.17	.14	.11
7.0	.39	.30	.24	.36	.28	.22	.30	.24	.19	.25	.20	.16	.19	.15	.12	.10
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	.21	.16	.12	.16	.13	.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:120.08V I:1.2834A P:153.80W PF:0.9979 Freq:60.01Hz									
Lamp Flux:382.014x1 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	.400	.227	.072	.378	.216	.068	.337	.193	.062	.299	.173	.055	.264	.153	.049	
2.0	.336	.184	.056	.316	.174	.054	.278	.155	.048	.244	.137	.043	.212	.120	.038	
3.0	.294	.156	.047	.276	.148	.044	.242	.131	.040	.210	.115	.035	.180	.100	.031	
4.0	.262	.136	.040	.246	.129	.038	.214	.114	.034	.185	.099	.030	.158	.086	.026	
5.0	.237	.121	.035	.222	.114	.033	.193	.100	.030	.166	.088	.026	.141	.075	.023	
6.0	.216	.108	.031	.202	.102	.029	.176	.090	.026	.151	.078	.023	.127	.067	.020	
7.0	.199	.098	.028	.186	.093	.026	.161	.082	.023	.138	.071	.021	.116	.061	.018	
8.0	.184	.090	.025	.172	.085	.024	.149	.075	.021	.128	.065	.019	.107	.055	.016	
9.0	.171	.083	.023	.160	.078	.022	.139	.069	.019	.119	.059	.017	.100	.051	.015	
10.0	.160	.077	.021	.150	.072	.020	.130	.063	.018	.111	.055	.016	.093	.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	.559	.559	.559	.477	.477	.477	.326	.326	.326	.187	.187	.187	.060	.060	.060	
1.0	.558	.526	.498	.477	.452	.429	.326	.311	.297	.188	.180	.172	.060	.058	.056	
2.0	.552	.505	.466	.473	.435	.403	.324	.301	.281	.187	.175	.165	.060	.057	.054	
3.0	.545	.490	.446	.467	.423	.387	.321	.294	.272	.185	.172	.160	.059	.056	.052	
4.0	.537	.478	.434	.461	.413	.377	.317	.288	.265	.183	.169	.157	.059	.055	.052	
5.0	.530	.469	.425	.455	.406	.369	.314	.284	.261	.182	.167	.155	.059	.054	.051	
6.0	.523	.462	.418	.449	.400	.364	.310	.280	.258	.180	.165	.153	.058	.054	.051	
7.0	.516	.456	.414	.444	.395	.361	.307	.277	.256	.178	.163	.152	.058	.053	.050	
8.0	.510	.451	.410	.439	.391	.358	.304	.274	.254	.177	.162	.151	.057	.053	.050	
9.0	.504	.446	.408	.434	.387	.356	.301	.272	.252	.175	.161	.151	.057	.053	.050	
10.0	.498	.442	.405	.429	.384	.354	.298	.270	.251	.174	.160	.150	.056	.052	.050	

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:120.08V I:1.2834A P:153.80W PF:0.9979 Freq:60.01Hz										
Lamp Flux:382.014x1 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	7.8	8.9	8.7	9.8	10.9	8.8	9.9	9.7	10.8	11.9
3H	10.7	11.7	11.6	12.6	13.8	12.0	13.0	12.9	13.9	15.1
4H	12.3	13.2	13.1	14.1	15.3	13.8	14.8	14.7	15.7	16.9
6H	13.9	14.7	14.8	15.7	16.9	15.8	16.7	16.7	17.6	18.8
8H	14.7	15.6	15.6	16.5	17.7	16.9	17.7	17.8	18.7	19.9
12H	15.7	16.5	16.6	17.4	18.6	18.1	18.9	19.0	19.9	21.1
4H 2H	9.5	10.4	10.4	11.4	12.5	10.1	11.0	11.0	11.9	13.1
3H	12.7	13.5	13.6	14.4	15.6	13.5	14.3	14.4	15.2	16.4
4H	14.4	15.1	15.3	16.1	17.3	15.4	16.1	16.3	17.1	18.3
6H	16.1	16.7	17.0	17.7	19.0	17.5	18.2	18.5	19.1	20.4
8H	17.0	17.6	18.0	18.6	19.9	18.7	19.3	19.6	20.3	21.5
12H	18.0	18.6	19.0	19.5	20.8	20.0	20.5	20.9	21.5	22.8
8H 4H	15.6	16.2	16.6	17.2	18.5	16.3	16.9	17.3	17.9	19.2
6H	17.8	18.3	18.7	19.3	20.6	18.7	19.2	19.7	20.2	21.5
8H	18.9	19.4	19.9	20.4	21.7	20.1	20.5	21.1	21.5	22.9
12H	20.1	20.6	21.1	21.6	22.9	21.6	22.0	22.6	23.0	24.4
12H 4H	15.9	16.5	16.9	17.5	18.7	16.5	17.1	17.5	18.1	19.3
6H	18.3	18.8	19.3	19.8	21.1	19.1	19.6	20.1	20.6	21.9
8H	19.6	20.1	20.6	21.1	22.4	20.6	21.0	21.6	22.0	23.3
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 / - 0.3				
2.0H	+ 0.3 / - 0.4					+ 0.3 / - 0.5				

CIE Pub.117, 382.0 lm Total Lamp Luminous Flux Corrected (8log(F/F0) = -3.3)
 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:2025-12-04	Remarks:

UTILIZATION FACTORS TABLE

Test:U:120.08V I:1.2834A P:153.80W PF:0.9979 Freq:60.01Hz Lamp Flux:382.014x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

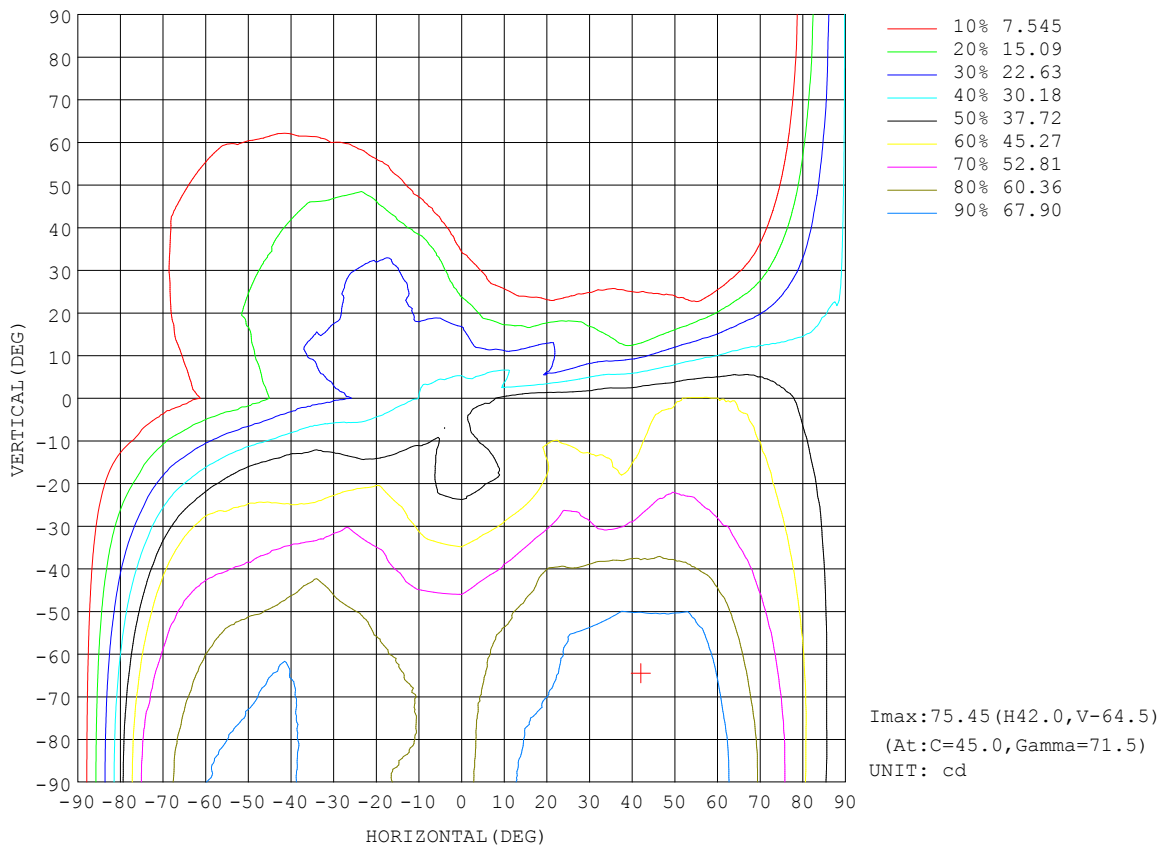
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS (PERCENT) k(RI) x RCR = 5									
k = 0.60	37	25	18	35	24	17	32	22	16	8
0.80	46	32	24	43	31	23	38	28	21	11
1.00	53	39	30	50	37	29	43	35	26	15
1.25	60	46	37	56	43	35	48	38	31	18
1.50	65	52	42	61	48	40	52	42	35	20
2.00	73	60	51	67	56	48	58	49	42	24
2.50	78	66	57	72	62	54	61	53	47	27
3.00	82	71	63	76	66	59	64	57	51	29
4.00	87	78	70	80	72	65	68	62	57	33
5.00	90	82	75	83	76	70	71	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:120.08V I:1.2834A P:153.80W PF:0.9979 Freq:60.01Hz Lamp Flux:382.014x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:



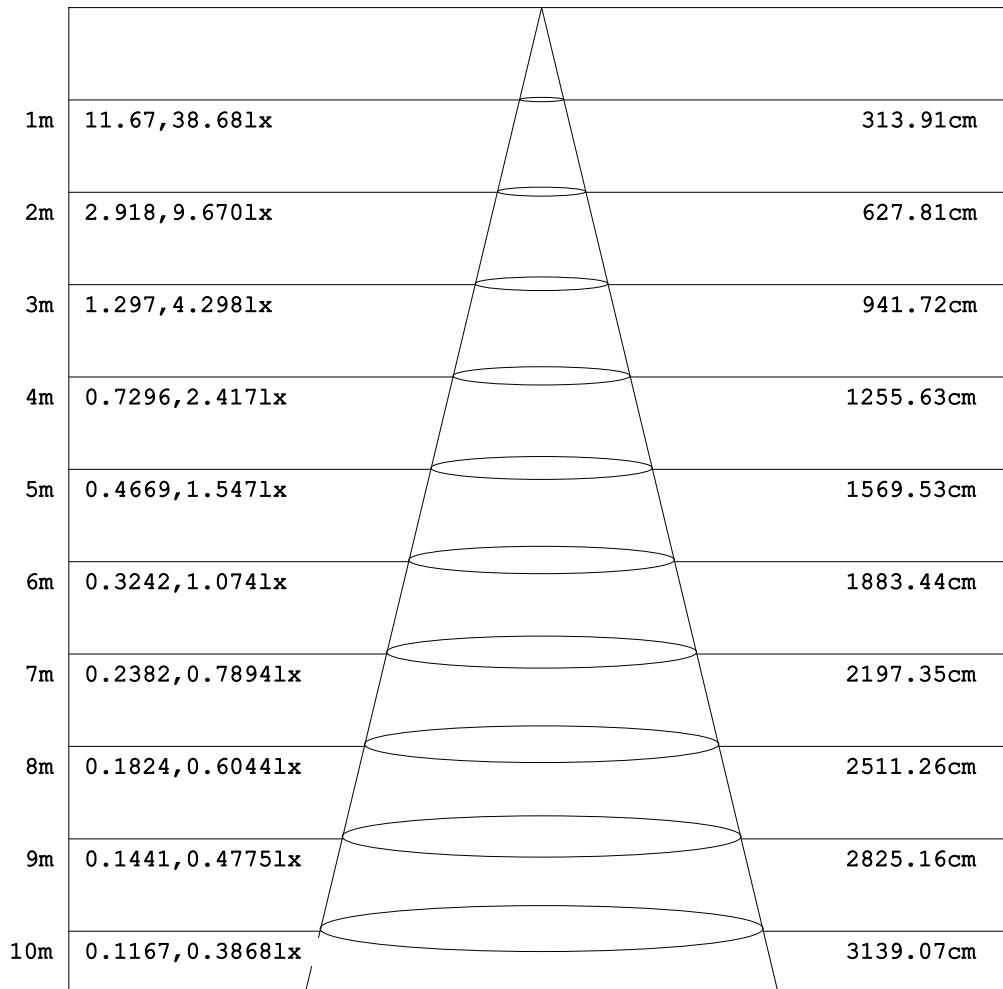
C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:24.5°C
 Operators:Dingmin Zhang
 Test Date:2025-12-04

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:120.08V I:1.2834A P:153.80W PF:0.9979 Freq:60.01Hz Lamp Flux:382.014x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

Flux out:90.36 lm



Angle:115.00deg

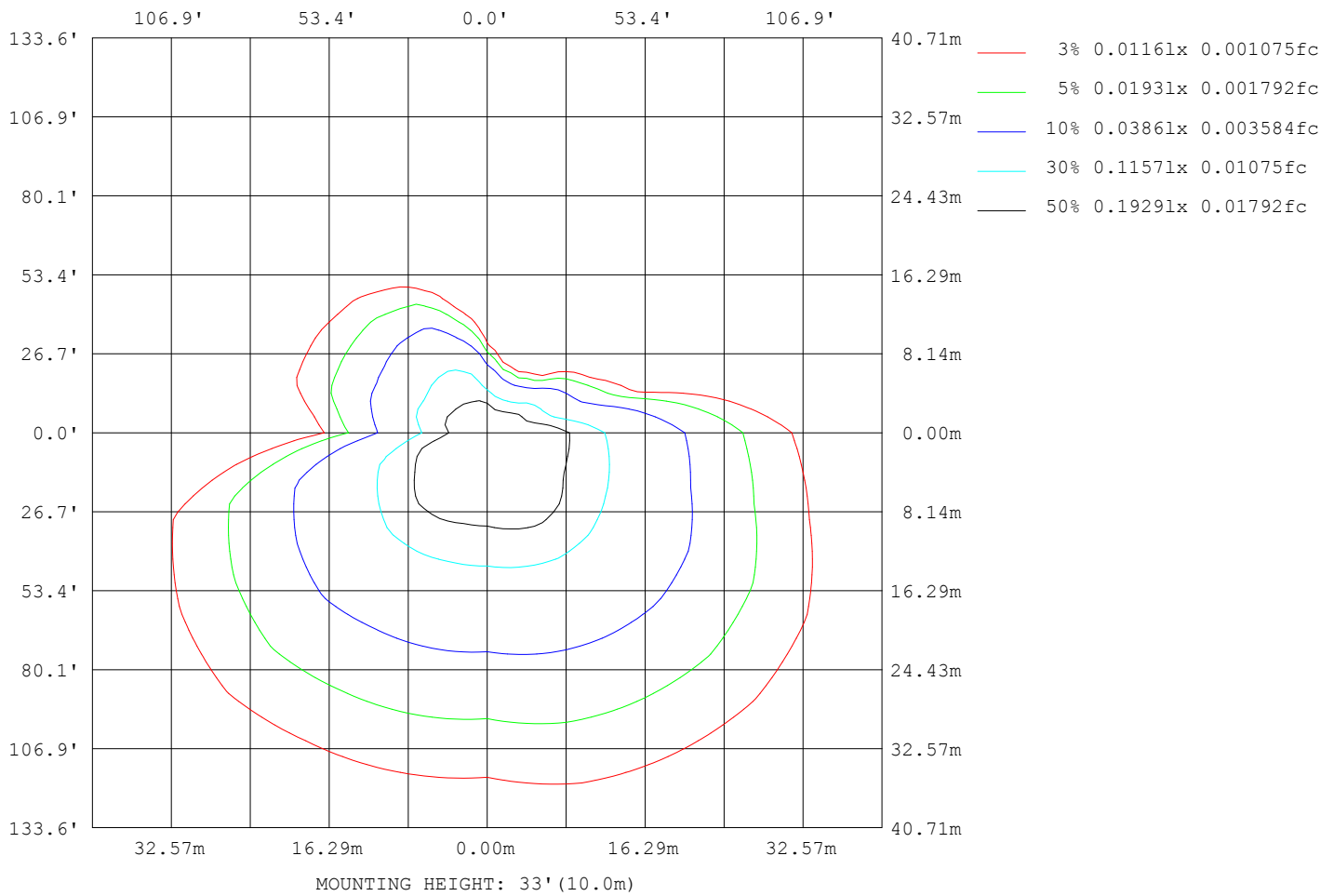
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

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:120.08V I:1.2834A P:153.80W PF:0.9979 Freq:60.01Hz Lamp Flux:382.014x1 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:120.08V I:1.2834A P:153.80W PF:0.9979 Freq:60.01Hz Lamp Flux:382.014x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

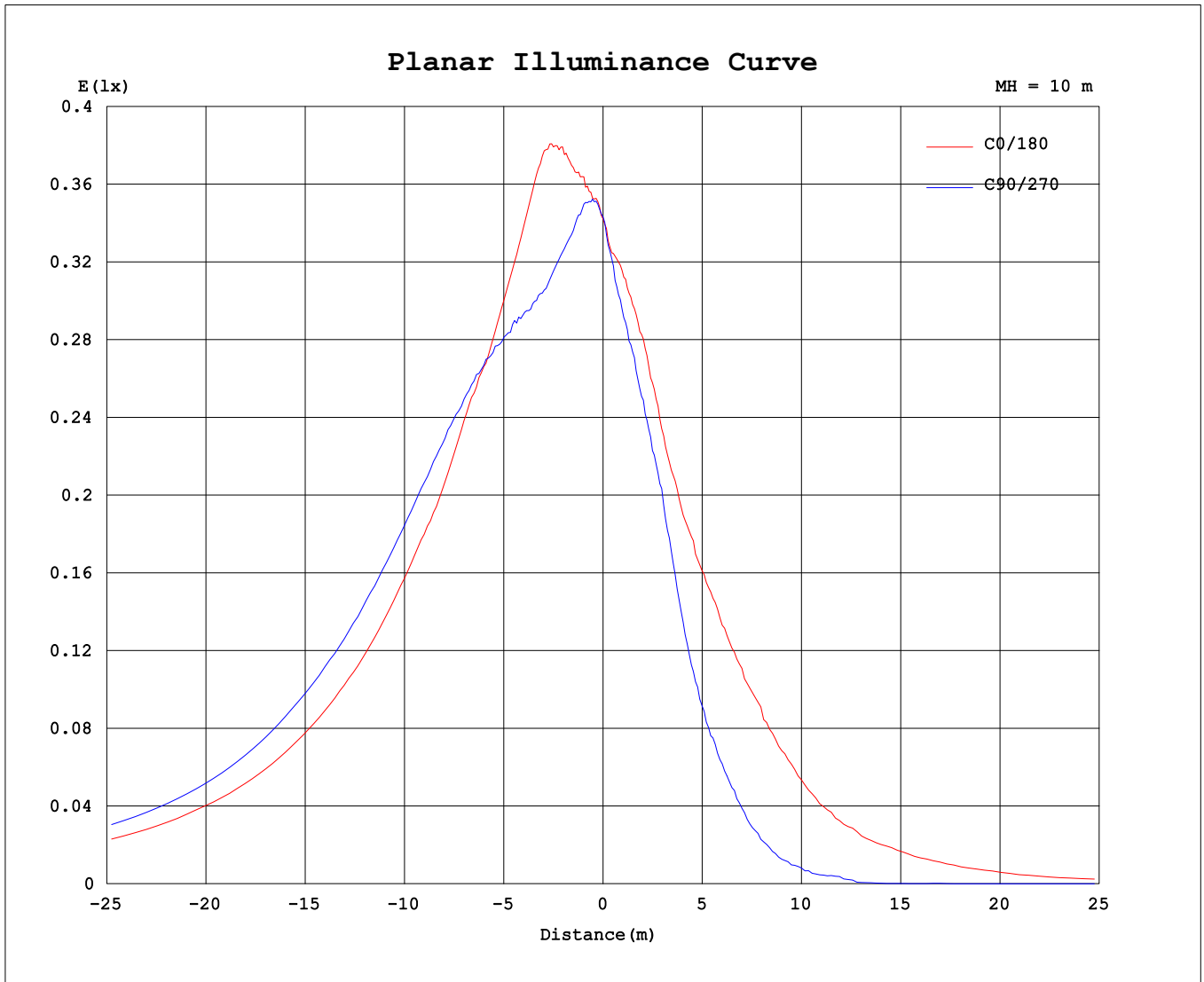
AvgL	cd/m2
L_0~180 (65) av	213
L_0~180 (75) av	282
L_0~180 (85) av	701
L_90~270 (65) av	246
L_90~270 (75) av	402
L_90~270 (85) av	1195
L_45 (65) av	315
L_45 (75) av	517
L_45 (85) av	1491

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:120.08V I:1.2834A P:153.80W PF:0.9979 Freq:60.01Hz		
Lamp Flux:382.014x1 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	34.2	34.4	34.6	34.4	35.2	35.5	34.3	35.0	34.6	35.3	35.5	34.7	34.2	34.4	34.6	34.4	35.2	35.5	34.3
5	36.3	37.4	38.6	38.7	38.1	37.7	35.5	36.3	37.1	35.6	34.4	34.7	32.2	31.9	31.3	30.8	30.5	30.5	30.4
10	39.1	38.5	39.8	39.7	38.7	37.2	34.6	35.3	37.9	35.8	33.0	33.5	30.3	29.8	29.8	28.9	28.2	27.3	27.2
15	42.2	41.6	40.9	39.9	38.0	36.4	34.5	35.4	39.2	37.5	32.4	32.7	27.7	29.1	28.3	27.4	26.3	25.3	24.0
20	42.5	44.0	44.2	40.6	37.8	37.3	35.6	36.7	41.0	40.1	33.7	31.7	25.0	27.2	25.7	24.4	22.9	22.5	19.2
25	42.0	44.0	46.4	43.0	41.0	40.4	38.1	39.1	43.1	43.0	36.3	31.8	22.8	25.7	24.0	23.4	22.7	20.8	14.0
30	41.9	43.3	47.1	48.0	46.4	44.2	41.7	42.3	46.2	46.9	39.7	34.4	21.8	24.6	23.3	23.5	23.4	19.8	10.3
35	43.4	44.2	47.7	52.9	51.0	48.6	45.4	46.0	49.9	50.6	42.4	36.6	20.2	23.6	22.2	23.4	23.0	17.9	7.07
40	43.2	44.2	46.8	55.9	56.4	52.7	49.0	49.5	53.0	53.2	44.0	37.3	17.7	22.1	21.3	22.2	21.7	14.2	4.15
45	44.5	46.8	49.0	57.7	61.7	56.2	52.2	52.3	55.5	55.5	46.4	38.5	15.1	19.6	19.3	20.5	20.0	10.4	2.30
50	45.0	50.4	55.1	62.3	63.8	59.5	55.0	55.3	58.0	59.0	49.9	40.8	12.3	16.3	16.9	17.8	17.0	7.16	1.41
55	45.5	51.9	59.0	65.7	65.9	61.4	57.0	57.7	60.6	61.9	52.4	42.5	10.3	14.9	15.0	15.4	12.9	4.72	0.09
60	45.3	52.5	62.3	68.5	68.2	62.4	57.9	59.3	62.0	63.8	54.8	44.1	8.21	14.1	14.1	13.7	9.41	2.92	0.09
65	44.6	52.8	66.1	72.0	69.6	63.9	58.0	60.3	62.4	66.2	57.6	45.9	5.81	13.2	12.5	10.5	6.11	1.72	0.00
70	42.8	53.1	69.1	75.0	70.6	65.5	58.1	61.1	63.4	68.3	60.6	48.1	3.51	10.4	9.34	7.34	4.17	0.28	0.00
75	39.5	53.2	70.3	75.5	71.5	67.0	58.2	61.1	64.3	69.5	63.1	49.7	1.29	6.48	5.93	4.68	2.04	0.10	0.00
80	36.5	53.4	70.5	75.0	72.2	68.0	58.2	61.1	64.2	70.1	65.1	50.7	0.00	3.05	3.29	2.24	0.49	0.00	0.00
85	34.1	53.9	70.7	74.6	72.1	69.0	58.2	60.5	64.1	70.5	66.9	52.0	0.00	0.10	0.48	0.10	0.00	0.00	0.00
90	30.6	54.0	70.5	73.9	71.9	69.6	58.2	59.9	63.9	70.6	67.7	53.1	0.00	0.00	0.00	0.00	0.00	0.00	0.00
95	28.8	54.0	69.5	71.8	71.9	69.8	58.2	59.8	63.6	70.6	68.1	53.2	0.00	0.00	0.00	0.00	0.00	0.00	0.00
100	28.9	52.4	66.8	70.2	71.4	69.9	58.4	59.2	62.3	69.7	67.8	52.1	0.00	0.00	0.00	0.00	0.00	0.00	0.00
105	29.7	50.7	64.8	67.4	70.4	69.2	58.7	58.5	61.0	68.2	66.1	51.6	0.00	0.00	0.00	0.00	0.00	0.00	0.00
110	29.6	50.1	63.1	65.0	68.5	68.5	59.3	58.3	60.2	66.9	63.6	51.0	0.74	1.10	0.00	0.00	0.00	0.00	0.09
115	28.0	48.6	61.8	63.1	66.6	66.6	59.2	57.9	59.6	65.5	60.3	49.4	2.13	3.98	0.00	0.00	0.00	0.00	0.97
120	27.4	46.2	59.9	61.1	64.6	64.1	58.3	57.1	58.7	63.3	56.7	47.3	5.00	6.62	0.00	0.00	0.00	0.00	1.84
125	26.4	45.7	58.5	58.6	61.7	61.2	56.3	56.3	57.8	61.4	52.9	44.8	6.12	9.74	0.71	0.00	0.00	0.66	3.54
130	23.8	45.9	57.1	56.4	58.6	58.3	53.9	54.7	56.6	59.5	49.9	41.2	3.31	13.3	2.63	0.00	0.00	1.60	5.84
135	23.4	46.3	55.8	54.1	55.5	55.3	51.8	52.8	55.1	57.0	47.5	36.4	1.02	15.2	5.74	0.65	0.59	2.56	8.22
140	23.4	47.8	55.2	51.5	52.5	52.1	49.4	50.0	53.0	54.3	44.7	33.5	0.09	16.3	9.54	2.45	1.93	4.15	11.1
145	23.4	46.6	54.6	49.8	49.7	48.5	46.5	47.7	50.1	50.9	42.1	33.1	0.00	17.8	13.3	4.79	4.17	6.99	15.1
150	21.3	38.9	52.9	47.9	46.7	45.1	43.4	44.7	46.8	47.2	39.5	30.5	0.00	16.5	18.1	8.41	7.82	11.1	18.8
155	15.8	28.8	50.4	46.1	43.7	42.6	40.7	41.5	44.2	43.6	36.8	25.2	0.00	8.32	23.4	14.3	12.3	14.7	21.0
160	14.0	22.2	44.2	44.1	41.7	40.2	37.9	38.6	40.5	40.3	33.1	21.4	0.00	1.15	17.3	21.2	16.7	18.6	22.6
165	11.0	14.6	28.0	39.3	38.9	37.0	35.0	35.3	36.3	35.7	26.1	14.7	0.00	0.00	6.66	18.7	20.1	20.8	23.6
170	7.21	6.99	11.0	18.9	27.0	29.8	28.3	27.8	26.8	23.4	13.9	8.01	0.00	0.00	0.00	2.72	11.6	18.7	22.5
175	2.40	1.22	1.67	1.95	3.12	5.92	7.28	7.40	7.00	5.59	3.87	2.90	0.00	0.00	0.00	0.00	0.00	2.98	6.27
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:120.08V I:1.2834A P:153.80W PF:0.9979 Freq:60.01Hz		
Lamp Flux:382.014x1 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	35.0	34.6	35.3	35.5	34.7														
5	29.9	30.3	32.4	35.0	32.7														
10	25.0	25.4	28.5	32.8	29.7														
15	19.8	20.9	23.0	28.9	25.6														
20	14.4	14.8	17.9	25.7	22.6														
25	9.72	9.29	13.1	22.6	21.5														
30	5.97	5.21	8.06	17.9	21.2														
35	2.45	2.51	4.36	13.0	18.9														
40	0.43	0.65	2.28	9.79	15.1														
45	0.09	0.00	1.00	6.74	12.6														
50	0.00	0.00	0.00	3.69	11.4														
55	0.00	0.00	0.00	1.33	8.96														
60	0.00	0.00	0.00	0.08	6.24														
65	0.00	0.00	0.00	0.00	3.64														
70	0.00	0.00	0.00	0.00	0.99														
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	0.84	0.62	0.00														
100	0.00	0.56	2.50	2.03	1.04														
105	0.17	2.13	4.73	3.60	1.96														
110	1.22	4.01	6.86	6.33	2.93														
115	2.88	6.98	10.9	9.23	5.30														
120	4.98	10.1	14.4	12.1	8.18														
125	8.13	14.6	17.5	14.7	9.71														
130	11.8	18.7	20.7	17.8	12.0														
135	15.5	21.6	23.0	19.7	13.6														
140	18.2	24.2	23.7	19.4	14.3														
145	20.5	24.8	23.9	19.3	12.9														
150	22.4	25.2	23.9	19.5	11.1														
155	23.6	25.2	24.0	20.0	11.3														
160	23.8	25.0	23.8	20.9	12.3														
165	23.5	24.4	23.6	20.6	9.79														
170	22.2	22.2	20.1	11.1	3.31														
175	5.64	4.79	2.59	0.35	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: