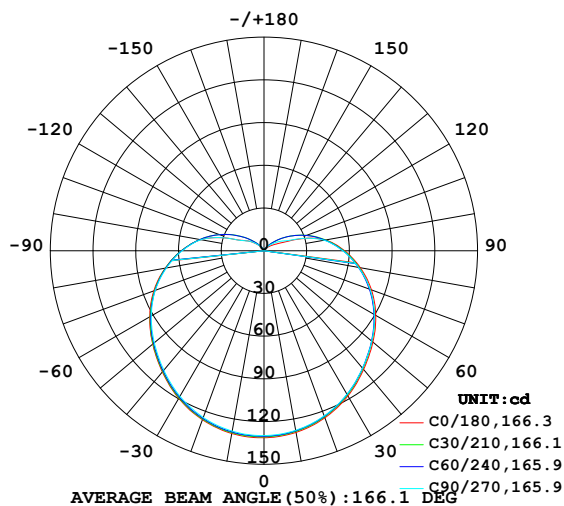


## LUMINAIRE PHOTOMETRIC TEST REPORT

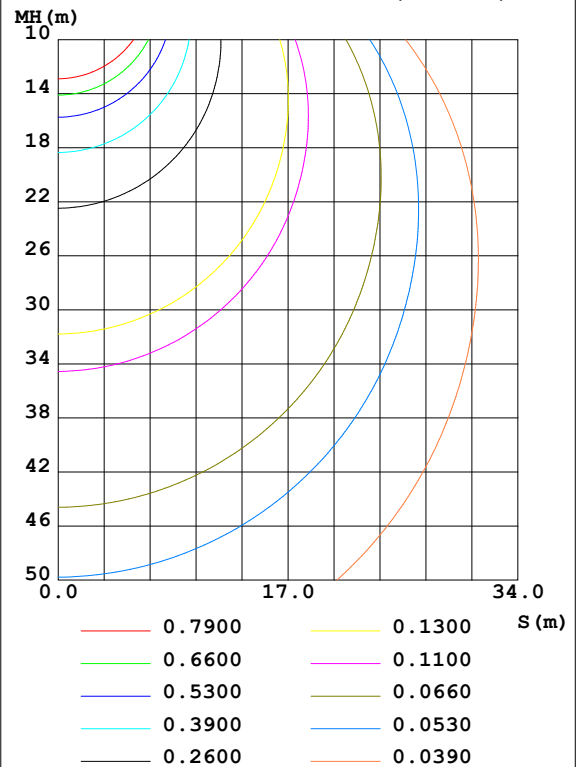
Test:U:120.00V I:0.0630A P:7.5100W PF:0.9810 Freq:60.00Hz Lamp Flux:710.467x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:2700K	DIM.:	SERIAL No.:
MFR.:	SUR.: $\Phi$ 140*70mm	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 94.60 lm/W			
MODEL	NS-FM-8W-B	I <sub>max</sub> (cd)	131.4	S/MH (C0/180)	1.36
NOMINAL POWER (W)	8	LOR (%)	100.0	S/MH (C90/270)	1.36
RATED VOLTAGE (V)	120	TOTAL FLUX (lm)	710.47	$\eta$ UP, DN (C0-180)	9.5, 40.1
NOMINAL FLUX (lm)	710.467	CIE CLASS	SEMI-D.	$\eta$ UP, DN (C180-360)	9.8, 40.6
LAMPS INSIDE	1	$\eta$ up (%)	19.3	CIBSE SHR NOM	1.50
TEST VOLTAGE (V)	120	$\eta$ down (%)	80.7	CIBSE SHR MAX	1.55

LUMINOUS INTENSITY DISTRIBUTION DIAGRAM



C0 PLANE ISOLUX DIAGRAM (UNIT:lx)



C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:Qin Meng  
Test Date:2025-06-27

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.00.421  
Humidity:65.0%  
Test Distance:7.390m [K=1.0000]  
Remarks:

## ZONAL FLUX DIAGRAM

ZONAL FLUX DIAGRAM:

$\gamma$	C0	C45	C90	C135	C180	C225	C270	C315	$\gamma$	$\Phi$ zone	$\Phi$ total	%lum, lamp
10	129.5	128.6	128.1	128.1	130.3	129.4	128.7	128.0	0- 10	12.35	12.35	1.74,1.74
20	124.9	123.9	123.5	123.8	126.3	125.4	124.6	123.7	10- 20	35.86	48.21	6.79,6.79
30	117.8	116.8	116.5	117.1	119.7	118.8	118.0	116.9	20- 30	55.98	104.2	14.7,14.7
40	108.8	107.8	107.7	108.3	111.1	110.2	109.4	108.2	30- 40	71.05	175.2	24.7,24.7
50	99.85	98.78	98.79	99.40	102.1	101.2	100.6	99.21	40- 50	80.68	255.9	36,36
60	90.62	89.34	89.51	89.88	92.69	91.80	91.36	89.88	50- 60	85.37	341.3	48,48
70	80.34	78.96	79.29	79.39	82.37	81.31	81.23	79.59	60- 70	84.70	426.0	60,60
80	68.65	67.68	67.45	67.98	70.40	69.91	69.57	68.44	70- 80	78.75	504.7	71,71
90	56.69	55.88	55.35	56.02	57.99	57.82	57.49	56.70	80- 90	68.38	573.1	80.7,80.7
100	43.78	43.87	42.84	43.89	45.11	45.51	44.89	44.67	90-100	55.19	628.3	88.4,88.4
110	22.78	32.20	23.88	32.09	24.98	33.53	25.14	32.72	100-110	39.09	667.4	93.9,93.9
120	9.242	21.23	13.34	20.93	14.13	22.10	13.96	21.30	110-120	23.17	690.6	97.2,97.2
130	4.768	11.84	7.674	11.44	8.377	12.33	8.570	12.11	120-130	12.24	702.8	98.9,98.9
140	2.882	5.599	3.755	5.179	4.212	5.718	4.274	5.319	130-140	5.370	708.2	99.7,99.7
150	1.379	2.179	1.375	1.825	1.615	2.150	1.636	1.654	140-150	1.923	710.1	99.9,99.9
160	0.0000	0.0921	0	0	0	0.0012	0	0.0003	150-160	0.3574	710.5	100,100
170	0	0	0	0	0	0	0	0	160-170	0.0001	710.5	100,100
180	0	0	0	0	0	0	0	0	170-180	0	710.5	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

Conical surface Flux(90deg): 214.69 lm

%lum = 30.2%

%lamp = 30.2%

Conical surface Flux(120deg): 341.29 lm

%lum = 48.0%

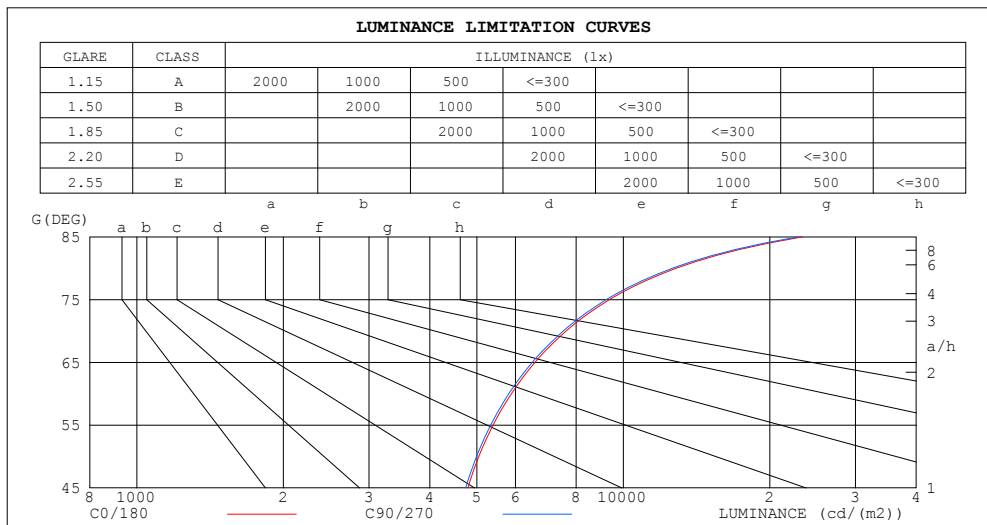
%lamp = 48.0%

C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:Qin Meng  
 Test Date:2025-06-27

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
 Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.00.421  
 Humidity:65.0%  
 Test Distance:7.390m [K=1.0000]  
 Remarks:

## LUMINANCE LIMITATION CURVES

Test:U:120.00V I:0.0630A P:7.5100W PF:0.9810 Freq:60.00Hz Lamp Flux:710.467x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:2700K	DIM.:	SERIAL No.:
MFR.:	SUR.: $\phi$ 140*70mm	Shielding Angle:



LUMINANCE cd/(m <sup>2</sup> )		
G (DEG)	C0/180	C90/270
85	23370	22886
80	12841	12616
75	9364	9225
70	7629	7530
65	6583	6499
60	5887	5815
55	5398	5337
50	5046	4992
45	4790	4740

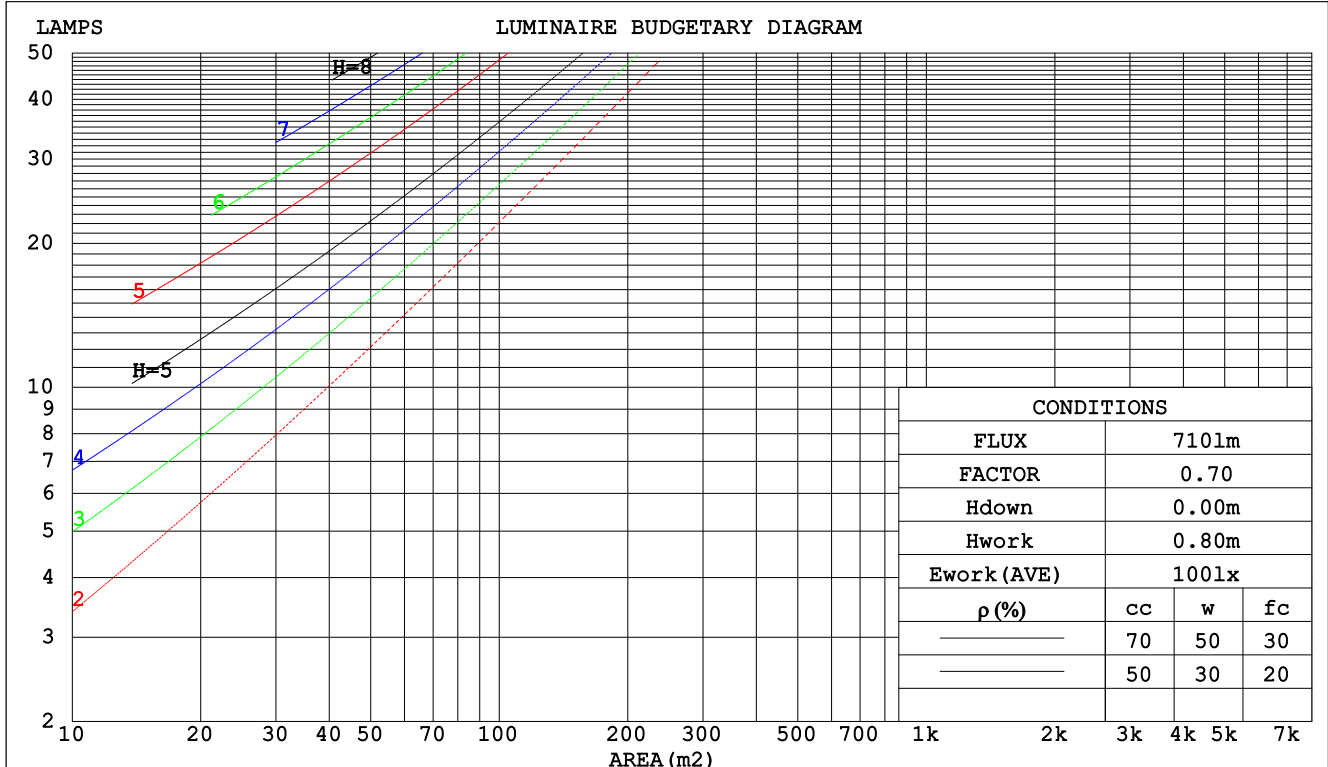
C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:Qin Meng  
Test Date:2025-06-27

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.00.421  
Humidity:65.0%  
Test Distance:7.390m [K=1.0000]  
Remarks:

## CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:120.00V I:0.0630A P:7.5100W PF:0.9810 Freq:60.00Hz Lamp Flux:710.467x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:2700K	DIM.:	SERIAL No.:
MFR.:	SUR.: $\phi$ 140*70mm	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						Coefficients of Utilization(CU)									
0.0	1.14	1.14	1.14	1.10	1.10	1.10	1.00	1.00	1.00	.92	.92	.92	.84	.84	.84	.81
1.0	.94	.88	.83	.89	.84	.79	.81	.77	.73	.74	.71	.68	.67	.65	.62	.59
2.0	.79	.71	.64	.76	.68	.62	.69	.63	.57	.63	.58	.53	.57	.53	.49	.46
3.0	.68	.59	.51	.65	.57	.50	.59	.52	.46	.54	.48	.43	.49	.44	.40	.37
4.0	.60	.50	.42	.57	.48	.41	.52	.44	.38	.47	.41	.36	.43	.38	.33	.30
5.0	.53	.43	.36	.51	.42	.35	.46	.38	.33	.42	.36	.30	.38	.33	.28	.26
6.0	.47	.38	.31	.45	.36	.30	.41	.34	.28	.38	.31	.26	.35	.29	.25	.22
7.0	.43	.33	.27	.41	.32	.26	.37	.30	.24	.34	.28	.23	.31	.26	.22	.19
8.0	.39	.30	.24	.37	.29	.23	.34	.27	.22	.31	.25	.20	.29	.23	.19	.17
9.0	.35	.27	.21	.34	.26	.20	.31	.24	.19	.29	.23	.18	.27	.21	.17	.15
10.0	.32	.24	.19	.31	.23	.18	.29	.22	.17	.27	.21	.16	.25	.19	.15	.13



C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:Qin Meng  
Test Date:2025-06-27

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.00.421  
Humidity:65.0%  
Test Distance:7.390m [K=1.0000]  
Remarks:

### WEC AND CCEC

Test:U:120.00V I:0.0630A P:7.5100W PF:0.9810 Freq:60.00Hz Lamp Flux:710.467x1 lm					
NAME:		TYPE:		WEIGHT:	
SPEC.:2700K		DIM.:		SERIAL No.:	
MFR.:		SUR.:Φ140*70mm		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						Wall Exitance Coefficients(WEC)									
0.0																
1.0	.418	.238	.075	.405	.231	.073	.380	.218	.070	.357	.206	.066	.336	.195	.063	
2.0	.354	.194	.059	.342	.188	.058	.319	.178	.055	.299	.168	.052	.280	.158	.050	
3.0	.310	.165	.049	.299	.160	.048	.279	.151	.046	.260	.143	.044	.243	.134	.042	
4.0	.277	.144	.042	.267	.140	.041	.249	.132	.039	.232	.124	.038	.216	.117	.036	
5.0	.250	.127	.037	.241	.124	.036	.224	.117	.034	.209	.110	.033	.194	.104	.031	
6.0	.228	.114	.033	.220	.111	.032	.205	.105	.031	.190	.099	.029	.177	.093	.028	
7.0	.209	.104	.029	.202	.101	.029	.188	.095	.027	.175	.090	.026	.163	.085	.025	
8.0	.194	.095	.027	.187	.092	.026	.174	.087	.025	.162	.082	.024	.151	.077	.023	
9.0	.180	.087	.024	.174	.085	.024	.162	.080	.023	.151	.076	.022	.140	.071	.021	
10.0	.168	.081	.022	.162	.078	.022	.152	.074	.021	.141	.070	.020	.132	.066	.019	

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						Ceiling Cavity Exitance Coefficients(CCEC)									
0.0	.338	.338	.338	.289	.289	.289	.197	.197	.197	.113	.113	.113	.036	.036	.036	
1.0	.336	.304	.274	.288	.261	.236	.197	.179	.163	.113	.104	.095	.036	.033	.031	
2.0	.330	.281	.240	.283	.242	.207	.194	.167	.145	.112	.097	.085	.036	.032	.028	
3.0	.323	.265	.219	.277	.228	.190	.190	.159	.133	.110	.093	.078	.035	.030	.026	
4.0	.315	.253	.205	.270	.218	.178	.186	.152	.126	.107	.089	.074	.035	.029	.024	
5.0	.307	.243	.196	.263	.210	.170	.181	.147	.120	.105	.086	.071	.034	.028	.024	
6.0	.299	.235	.189	.257	.204	.165	.177	.142	.116	.103	.084	.069	.033	.027	.023	
7.0	.292	.228	.184	.251	.198	.160	.173	.139	.114	.101	.082	.068	.033	.027	.022	
8.0	.285	.223	.180	.245	.193	.157	.170	.136	.112	.099	.080	.066	.032	.026	.022	
9.0	.278	.218	.177	.240	.189	.155	.166	.133	.110	.097	.079	.066	.031	.026	.022	
10.0	.272	.214	.175	.235	.186	.153	.163	.131	.109	.095	.077	.065	.031	.025	.021	

C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:Qin Meng  
Test Date:2025-06-27

γ Range: 0 - 180DEG  
γ Interval: 1.0DEG  
Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.00.421  
Humidity:65.0%  
Test Distance:7.390m [K=1.0000]  
Remarks:

### UGR(Unified Glare Rating) Table

Test:U:120.00V I:0.0630A P:7.5100W PF:0.9810 Freq:60.00Hz Lamp Flux:710.467x1 lm											
NAME:					TYPE:			WEIGHT:			
SPEC.:2700K					DIM.:			SERIAL No.:			
MFR.:					SUR.: $\Phi$ 140*70mm			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	17.5	19.0	18.1	19.5	20.1	17.5	18.9	18.0	19.4	20.0	
	3H	20.2	21.5	20.8	22.1	22.7	20.2	21.5	20.7	22.0	22.7
	4H	21.7	22.9	22.3	23.5	24.2	21.6	22.9	22.2	23.4	24.1
	6H	23.3	24.5	23.9	25.1	25.8	23.2	24.4	23.8	25.0	25.7
	8H	24.2	25.3	24.8	25.9	26.6	24.1	25.2	24.7	25.8	26.5
	12H	25.2	26.3	25.8	26.9	27.6	25.1	26.2	25.7	26.8	27.5
4H	2H	18.4	19.6	19.0	20.2	20.9	18.4	19.6	18.9	20.2	20.8
	3H	21.3	22.4	21.9	23.0	23.7	21.2	22.3	21.8	22.9	23.6
	4H	22.9	23.9	23.5	24.5	25.3	22.8	23.8	23.5	24.5	25.2
	6H	24.7	25.6	25.3	26.2	27.0	24.6	25.5	25.3	26.2	26.9
	8H	25.7	26.5	26.3	27.2	28.0	25.6	26.4	26.3	27.1	27.9
	12H	26.8	27.6	27.5	28.3	29.1	26.7	27.5	27.4	28.2	29.0
8H	4H	23.5	24.3	24.2	25.0	25.8	23.4	24.3	24.1	25.0	25.8
	6H	25.6	26.3	26.3	27.0	27.8	25.5	26.2	26.2	26.9	27.8
	8H	26.7	27.4	27.5	28.1	29.0	26.7	27.3	27.4	28.0	28.9
	12H	28.1	28.7	28.8	29.4	30.3	28.0	28.6	28.8	29.3	30.2
12H	4H	23.6	24.4	24.3	25.1	25.9	23.6	24.4	24.3	25.1	25.9
	6H	25.8	26.5	26.6	27.2	28.1	25.8	26.4	26.5	27.2	28.0
	8H	27.1	27.7	27.9	28.4	29.3	27.1	27.6	27.8	28.4	29.2
Variations with the observer position at spacings:											
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 / - 0.4					

CIE Pub.117, 710.5 lm Total Lamp Luminous Flux Corrected (8log(F/F0) = -1.2)  
Area: 0.030788 m2

C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:Qin Meng  
Test Date:2025-06-27

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.00.421  
Humidity:65.0%  
Test Distance:7.390m [K=1.0000]  
Remarks:

### UTILIZATION FACTORS TABLE

Test:U:120.00V I:0.0630A P:7.5100W PF:0.9810 Freq:60.00Hz Lamp Flux:710.467x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:2700K	DIM.:	SERIAL No.:
MFR.:	SUR.:Φ140*70mm	Shielding Angle:

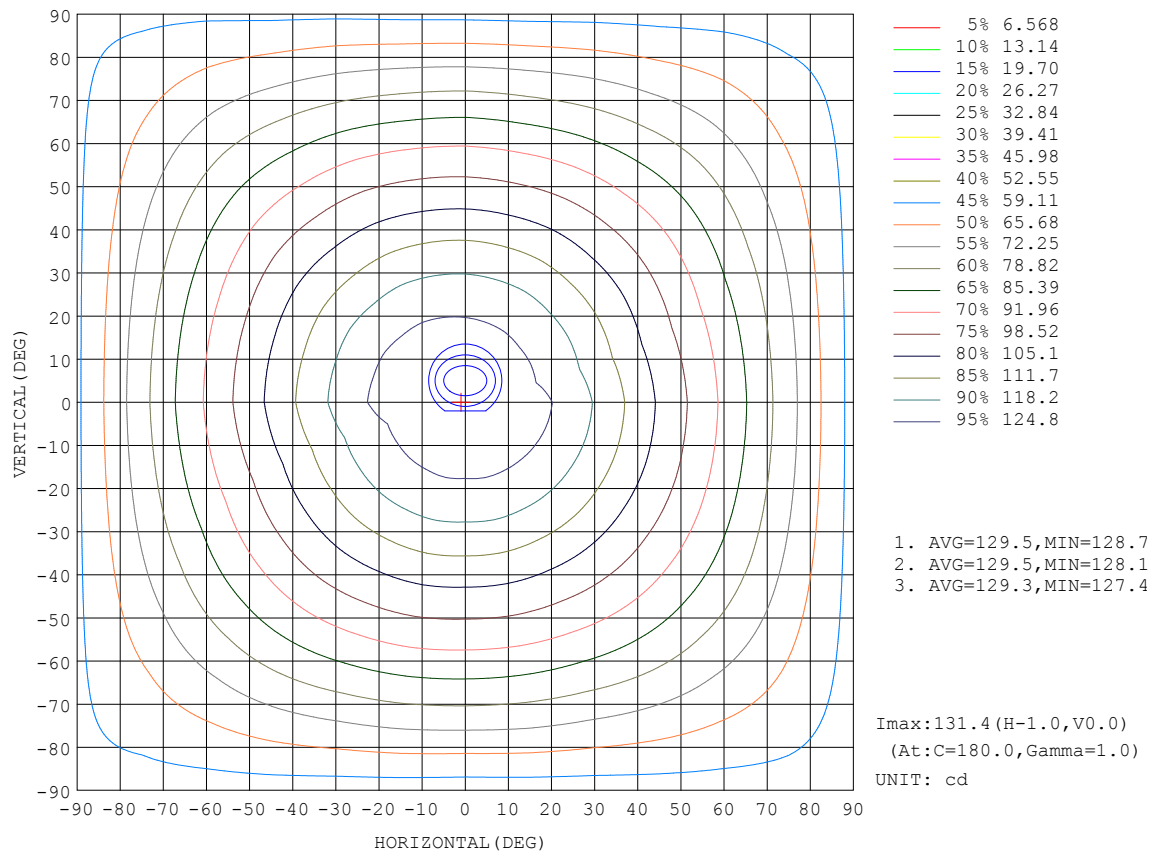
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS (PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	45	33	25	44	32	25	42	31	25	18
0.80	54	41	32	53	40	32	50	39	31	23
1.00	62	48	39	60	47	39	56	48	38	29
1.25	69	55	46	66	54	45	62	51	44	34
1.50	74	61	51	71	59	51	66	56	49	38
2.00	81	69	60	78	67	59	72	63	56	44
2.50	86	75	66	82	72	64	76	68	61	48
3.00	90	80	71	86	77	69	79	72	66	52
4.00	95	86	79	91	83	76	83	77	72	57
5.00	98	90	84	94	87	81	86	81	76	60
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:25.3DEG  
Operators:Qin Meng  
Test Date:2025-06-27

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.00.421  
Humidity:65.0%  
Test Distance:7.390m [K=1.0000]  
Remarks:

## ISOCANDELA DIAGRAM

Test:U:120.00V I:0.0630A P:7.5100W PF:0.9810 Freq:60.00Hz Lamp Flux:710.467x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:2700K	DIM.:	SERIAL No.:
MFR.:	SUR.: $\phi$ 140*70mm	Shielding Angle:

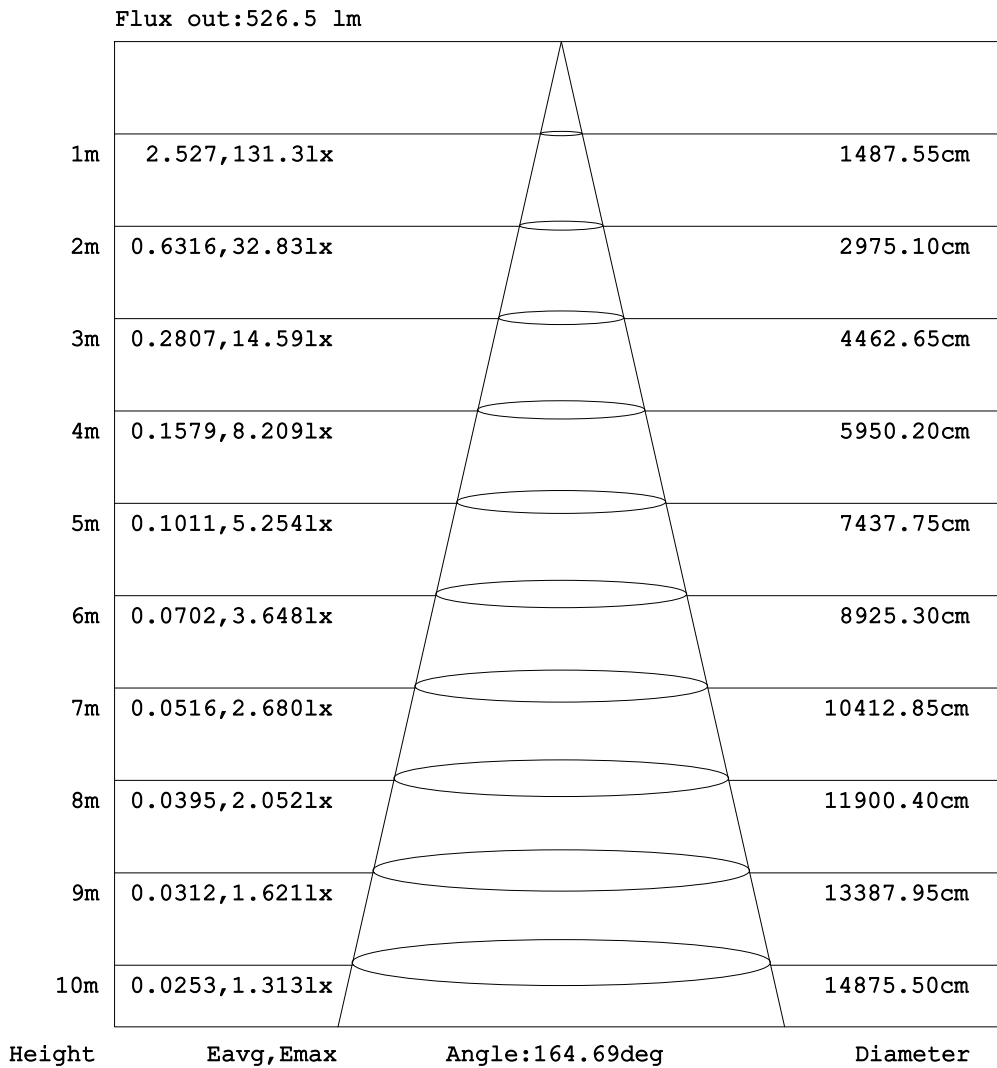


C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:Qin Meng  
Test Date:2025-06-27

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.00.421  
Humidity:65.0%  
Test Distance:7.390m [K=1.0000]  
Remarks:

### AAI Figure

Test:U:120.00V I:0.0630A P:7.5100W PF:0.9810 Freq:60.00Hz Lamp Flux:710.467x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:2700K	DIM.:	SERIAL No.:
MFR.:	SUR.:Φ140*70mm	Shielding Angle:



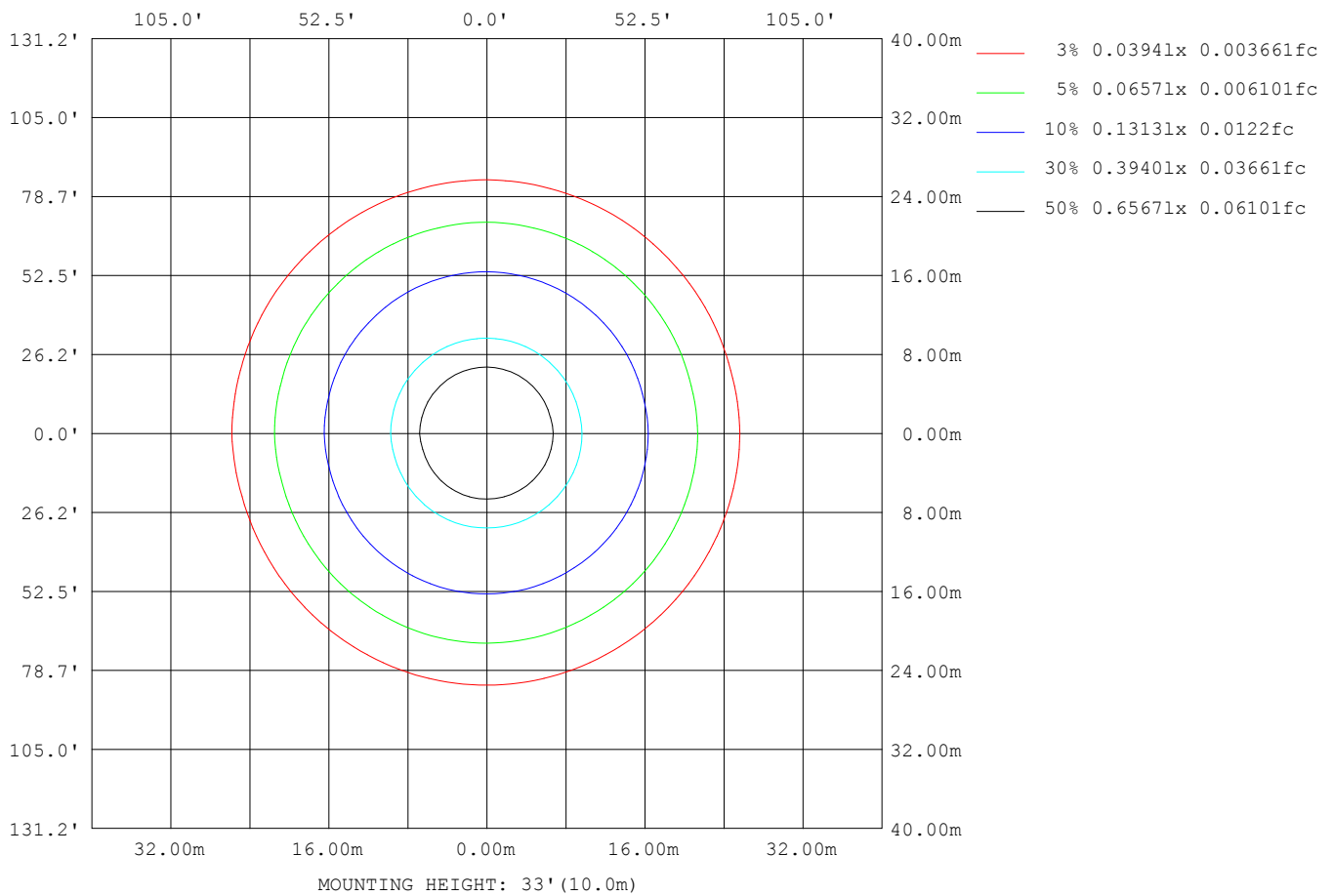
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:Qin Meng  
Test Date:2025-06-27

γ Range: 0 - 180DEG  
γ Interval: 1.0DEG  
Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.00.421  
Humidity:65.0%  
Test Distance:7.390m [K=1.0000]  
Remarks:

### ISOLUX DIAGRAM

Test:U:120.00V I:0.0630A P:7.5100W PF:0.9810 Freq:60.00Hz Lamp Flux:710.467x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:2700K	DIM.:	SERIAL No.:
MFR.:	SUR.:Φ140*70mm	Shielding Angle:



C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:Qin Meng  
Test Date:2025-06-27

γ Range: 0 - 180DEG  
γ Interval: 1.0DEG  
Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.00.421  
Humidity:65.0%  
Test Distance:7.390m [K=1.0000]  
Remarks:

### LED Avg.L Report

Test:U:120.00V I:0.0630A P:7.5100W PF:0.9810 Freq:60.00Hz Lamp Flux:710.467x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:2700K	DIM.:	SERIAL No.:
MFR.:	SUR.:Φ140*70mm	Shielding Angle:

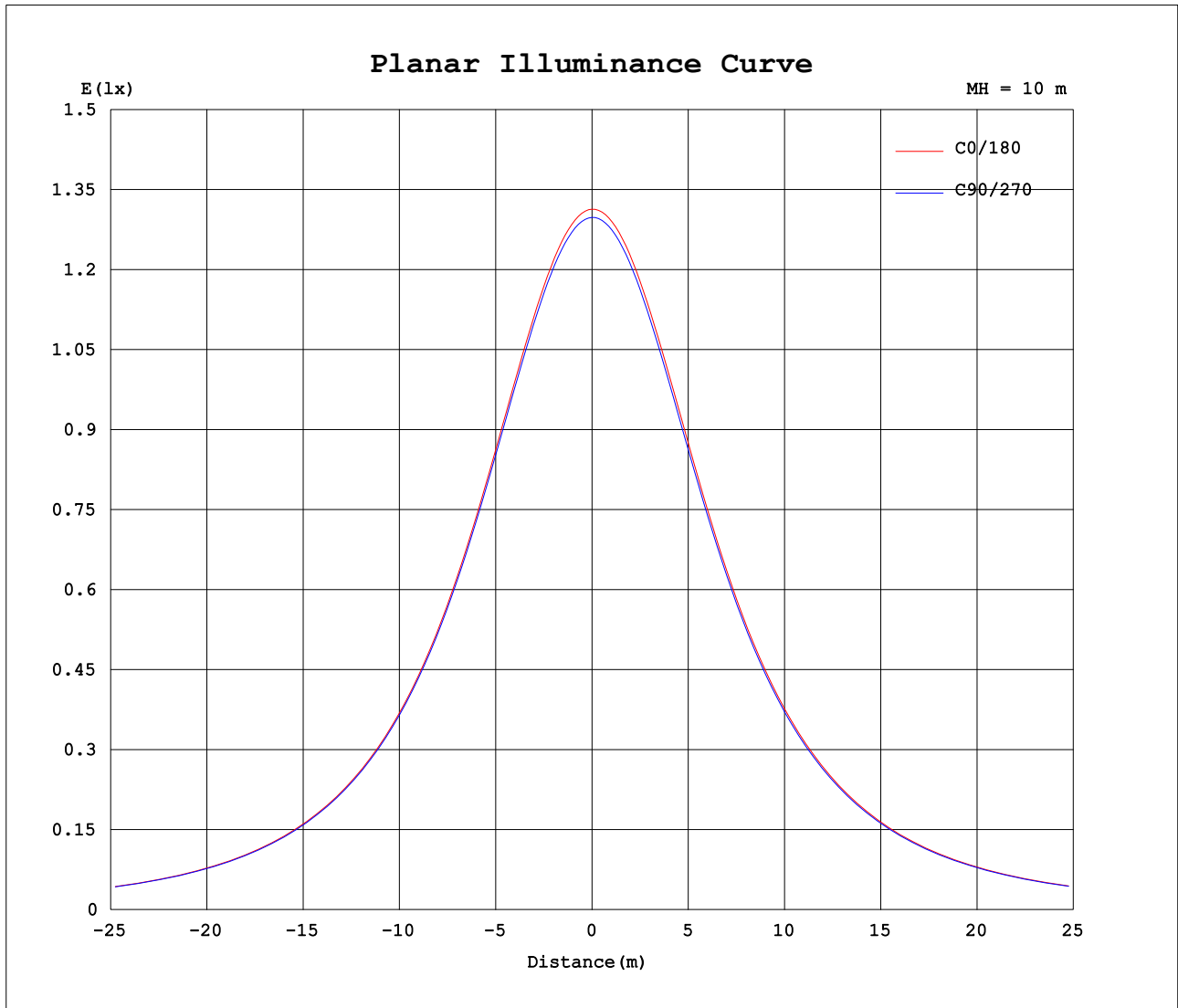
AvgL	cd/m2
L_0~180 (65) av	6662
L_0~180 (75) av	9487
L_0~180 (85) av	23642
L_90~270 (65) av	6571
L_90~270 (75) av	9353
L_90~270 (85) av	23282
L_45 (65) av	6543
L_45 (75) av	9318
L_45 (85) av	23334

Standard: GB/T 29293-2012

C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:Qin Meng  
Test Date:2025-06-27

γ Range: 0 - 180DEG  
γ Interval: 1.0DEG  
Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.00.421  
Humidity:65.0%  
Test Distance:7.390m [K=1.0000]  
Remarks:

### Planar Illuminance Curve



C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature: 25.3DEG  
 Operators: Qin Meng  
 Test Date: 2025-06-27

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
 Test System: EVERFINE GO-2000B\_V1 SYSTEM V2.00.421  
 Humidity: 65.0%  
 Test Distance: 7.390m [K=1.0000]  
 Remarks:

### LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:120.00V I:0.0630A P:7.5100W PF:0.9810 Freq:60.00Hz Lamp Flux:710.467x1 lm																		
NAME:									TYPE:					WEIGHT:				
SPEC.:2700K									DIM.:					SERIAL No.:				
MFR.:									SUR.:Φ140*70mm					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	131	131	131	130	130	130	130	130	130	129	129	129	131	131	131	130	130	130	130
5	131	130	130	130	130	130	129	129	129	129	129	129	131	131	131	130	130	130	130
10	130	129	129	129	128	128	128	128	128	128	128	128	130	130	130	129	129	129	129
15	128	127	127	127	126	126	126	126	126	126	126	126	129	128	128	128	128	127	127
20	125	125	124	124	124	124	123	124	124	124	124	124	126	126	126	125	125	125	125
25	122	121	121	121	120	120	120	121	121	121	121	121	123	123	123	122	122	122	122
30	118	117	117	117	117	117	116	117	117	117	117	118	120	119	119	119	119	118	118
35	113	113	113	112	112	112	112	113	113	113	113	113	116	115	115	115	115	114	114
40	109	109	108	108	108	108	108	108	108	108	108	109	111	111	111	110	110	110	109
45	104	104	103	103	103	103	103	104	104	104	104	104	107	106	106	106	106	105	105
50	99.9	99.5	99.0	98.8	98.6	98.8	98.8	99.1	99.1	99.4	99.5	100.0	102	102	102	101	101	101	101
55	95.3	95.0	94.4	94.2	94.0	94.2	94.3	94.6	94.5	94.8	94.9	95.4	97.5	97.1	97.1	96.6	96.6	96.3	96.1
60	90.6	90.2	89.6	89.3	89.2	89.4	89.5	89.8	89.7	89.9	90.0	90.6	92.7	92.2	92.3	91.8	91.8	91.5	91.4
65	85.7	85.2	84.5	84.3	84.1	84.4	84.6	84.7	84.5	84.7	84.9	85.5	87.7	87.1	87.1	86.7	86.7	86.5	86.4
70	80.3	79.9	79.2	79.0	78.7	79.1	79.3	79.4	79.2	79.4	79.5	80.3	82.4	81.8	81.7	81.3	81.4	81.2	81.2
75	74.6	74.4	73.6	73.4	73.1	73.5	73.5	73.7	73.5	73.8	73.9	74.6	76.6	76.1	76.1	75.7	75.8	75.6	75.6
80	68.7	68.5	67.9	67.7	67.4	67.6	67.4	67.8	67.6	68.0	68.0	68.7	70.4	70.1	70.3	69.9	70.0	69.7	69.6
85	62.7	62.6	62.0	61.8	61.5	61.6	61.4	61.7	61.7	62.0	62.1	62.6	64.2	64.0	64.3	63.9	64.0	63.6	63.5
90	56.7	56.6	56.1	55.9	55.5	55.6	55.4	55.6	55.7	56.0	56.1	56.5	58.0	57.8	58.1	57.8	57.9	57.6	57.5
95	50.6	50.5	50.0	49.9	49.5	49.5	49.3	49.6	49.6	49.9	50.0	50.4	51.8	51.6	51.9	51.6	51.8	51.5	51.4
100	43.8	43.9	44.0	43.9	43.5	43.1	42.8	42.8	43.5	43.9	43.9	43.6	45.1	44.9	45.8	45.5	45.7	44.7	44.9
105	34.5	35.7	38.0	38.0	37.5	35.4	34.1	34.1	37.4	37.9	37.9	35.4	35.9	36.5	39.6	39.5	39.5	36.0	35.9
110	22.8	28.3	31.8	32.2	31.6	28.4	23.9	26.6	31.1	32.1	31.8	28.1	25.0	29.0	33.4	33.5	33.2	28.4	25.1
115	13.4	22.0	25.9	26.6	25.8	22.3	16.6	20.6	25.1	26.4	25.8	22.0	17.5	22.7	27.2	27.7	26.9	22.1	17.2
120	9.24	16.5	20.3	21.2	20.3	17.1	13.3	15.7	19.5	20.9	20.1	16.9	14.1	17.5	21.3	22.1	21.1	17.0	14.0
125	6.80	12.0	15.3	16.3	15.3	12.8	10.4	11.7	14.5	15.9	15.1	12.6	11.2	13.2	16.1	16.9	15.9	12.8	11.4
130	4.77	8.47	11.0	11.8	11.0	9.19	7.67	8.40	10.3	11.4	10.8	9.07	8.38	9.49	11.6	12.3	11.4	9.27	8.57
135	3.48	5.92	7.49	8.25	7.56	6.28	5.48	5.79	6.92	7.86	7.28	6.23	6.03	6.56	7.99	8.54	7.86	6.47	6.16
140	2.88	4.15	5.03	5.60	5.09	4.19	3.75	3.87	4.57	5.18	4.81	4.15	4.21	4.43	5.31	5.72	5.25	4.41	4.27
145	2.26	2.61	3.32	3.69	3.35	2.75	2.45	2.48	2.92	3.28	3.08	2.68	2.80	2.94	3.47	3.69	3.44	2.92	2.83
150	1.38	1.54	1.97	2.18	1.98	1.57	1.38	1.37	1.60	1.83	1.72	1.53	1.61	1.73	2.03	2.15	2.03	1.71	1.64
155	0.54	0.70	0.89	0.99	0.88	0.66	0.50	0.47	0.55	0.69	0.66	0.58	0.63	0.70	0.89	0.98	0.84	0.66	0.66
160	0.00	0.00	0.07	0.09	0.03	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
165	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
170	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
175	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
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:25.3DEG  
Operators:Qin Meng  
Test Date:2025-06-27

γ Range: 0 - 180DEG  
γ Interval: 1.0DEG  
Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.00.421  
Humidity:65.0%  
Test Distance:7.390m [K=1.0000]  
Remarks:

## LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:120.00V I:0.0630A P:7.5100W PF:0.9810 Freq:60.00Hz Lamp Flux:710.467x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:2700K	DIM.:	SERIAL No.:
MFR.:	SUR.:Φ140*70mm	Shielding Angle:

Table--2

UNIT: cd

C (DEG) γ (DEG)	285	300	315	330	345														
0	130	130	129	129	129														
5	129	129	129	129	129														
10	128	128	128	128	128														
15	127	126	126	126	126														
20	124	124	124	123	123														
25	121	121	121	120	120														
30	118	117	117	117	116														
35	113	113	113	112	112														
40	109	109	108	108	108														
45	104	104	104	103	103														
50	100	99.7	99.2	99.1	98.7														
55	95.5	95.2	94.7	94.6	94.2														
60	90.7	90.4	89.9	89.8	89.5														
65	85.7	85.4	84.9	84.8	84.6														
70	80.5	80.1	79.6	79.6	79.3														
75	74.9	74.6	74.1	74.1	73.8														
80	69.1	68.9	68.4	68.4	68.0														
85	63.2	63.1	62.6	62.6	62.2														
90	57.2	57.2	56.7	56.6	56.2														
95	51.1	51.1	50.7	50.7	50.2														
100	44.6	45.1	44.7	44.5	43.2														
105	36.6	39.2	38.7	38.0	34.3														
110	29.4	33.0	32.7	31.0	25.7														
115	23.2	27.0	26.8	24.3	18.5														
120	17.9	21.3	21.3	18.4	11.7														
125	13.5	16.2	16.4	13.4	7.21														
130	9.70	11.7	12.1	9.54	5.04														
135	6.64	7.97	8.30	6.59	3.77														
140	4.46	5.15	5.32	4.26	2.76														
145	2.92	3.22	3.21	2.59	1.78														
150	1.61	1.83	1.65	1.30	0.78														
155	0.58	0.72	0.70	0.52	0.37														
160	0.00	0.00	0.00	0.00	0.00														
165	0.00	0.00	0.00	0.00	0.00														
170	0.00	0.00	0.00	0.00	0.00														
175	0.00	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:25.3DEG  
Operators:Qin Meng  
Test Date:2025-06-27

γ Range: 0 - 180DEG  
γ Interval: 1.0DEG  
Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.00.421  
Humidity:65.0%  
Test Distance:7.390m [K=1.0000]  
Remarks: