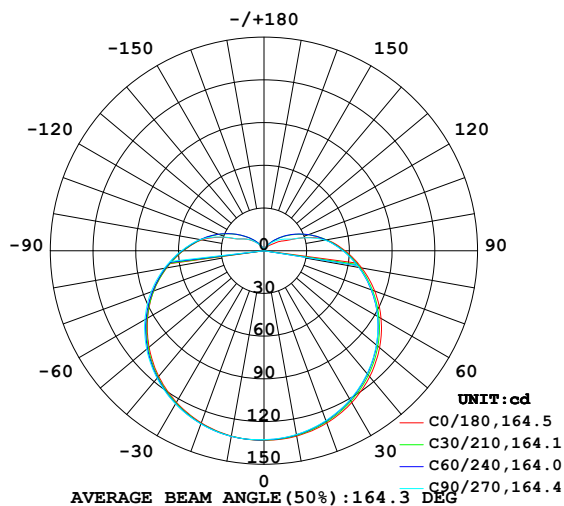


## LUMINAIRE PHOTOMETRIC TEST REPORT

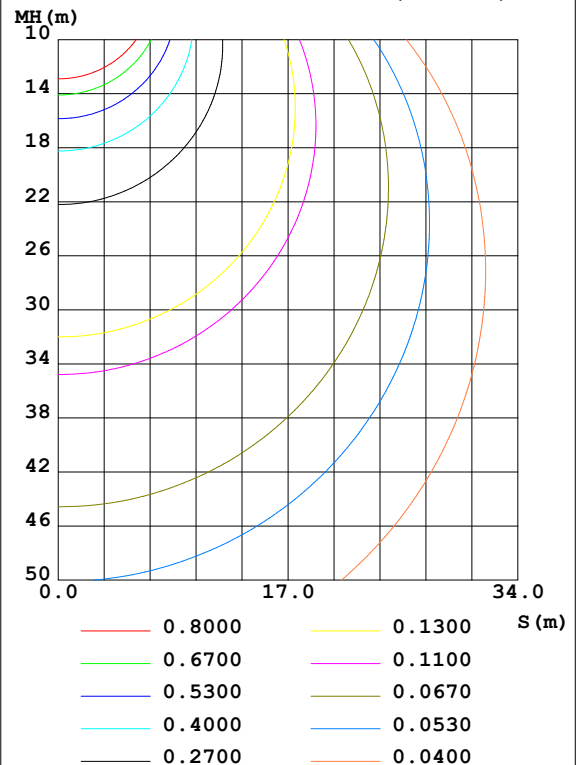
Test:U:120.00V I:0.0630A P:7.4900W PF:0.9810 Freq:60.00Hz Lamp Flux:739.868x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:2700K	DIM.:	SERIAL No.:
MFR.:	SUR.: $\phi$ 140*70mm	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 98.78 lm/W			
MODEL	DM-FM-8W-B	I <sub>max</sub> (cd)	133.1	S/MH (C0/180)	1.38
NOMINAL POWER (W)	8	LOR (%)	100.0	S/MH (C90/270)	1.41
RATED VOLTAGE (V)	120	TOTAL FLUX (lm)	739.87	$\eta$ UP, DN (C0-180)	9.8, 39.6
NOMINAL FLUX (lm)	739.868	CIE CLASS	SEMI-D.	$\eta$ UP, DN (C180-360)	10.1, 40.5
LAMPS INSIDE	1	$\eta$ up (%)	19.9	CIBSE SHR NOM	1.50
TEST VOLTAGE (V)	120	$\eta$ down (%)	80.1	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:2025-06-23

$\gamma$  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	132.1	131.5	131.0	131.1	132.1	132.3	132.3	132.0	0- 10	12.63	12.63	1.71,1.71
20	128.8	127.6	127.0	127.3	128.7	129.2	129.4	129.0	10- 20	36.86	49.49	6.69,6.69
30	123.2	121.6	120.8	121.3	122.9	123.6	124.2	123.8	20- 30	58.08	107.6	14.5,14.5
40	115.5	113.5	112.6	113.3	115.1	115.9	116.8	116.3	30- 40	74.59	182.2	24.6,24.6
50	105.9	103.8	103.0	103.6	105.3	106.3	107.5	106.9	40- 50	85.23	267.4	36.1,36.1
60	94.94	92.65	92.11	92.44	94.36	94.97	96.53	95.74	50- 60	89.43	356.8	48.2,48.2
70	82.75	80.64	80.37	80.42	82.38	82.57	84.31	83.36	60- 70	87.42	444.2	60,60
80	69.66	68.23	67.67	68.03	69.35	69.74	70.97	70.44	70- 80	79.98	524.2	70.9,70.9
90	57.02	56.04	55.44	55.82	56.69	57.07	57.98	57.74	80- 90	68.62	592.8	80.1,80.1
100	44.33	44.46	43.36	44.23	44.40	45.02	45.43	45.64	90-100	55.30	648.1	87.6,87.6
110	25.76	33.84	26.07	33.63	26.98	34.16	27.60	34.50	100-110	39.95	688.1	93,93
120	13.46	24.10	16.50	23.88	16.70	24.32	16.65	23.98	110-120	25.09	713.2	96.4,96.4
130	7.011	15.49	11.03	15.30	11.35	15.74	11.55	14.95	120-130	14.76	728.0	98.4,98.4
140	4.106	8.636	6.431	8.571	6.782	8.899	6.609	8.238	130-140	7.675	735.6	99.4,99.4
150	1.533	3.848	3.066	3.631	3.155	4.085	2.898	3.984	140-150	3.240	738.9	99.9,99.9
160	0.5083	0.9136	0.7797	0.6935	0.8135	1.041	0.8964	0.9999	150-160	0.9357	739.8	100,100
170	0	0	0	0	0	0	0	0	160-170	0.0678	739.9	100,100
180	0	0	0	0	0	0	0	0	170-180	0	739.9	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

Conical surface Flux(90deg): 223.84 lm

%lum = 30.3%

%lamp = 30.3%

Conical surface Flux(120deg): 356.82 lm

%lum = 48.2%

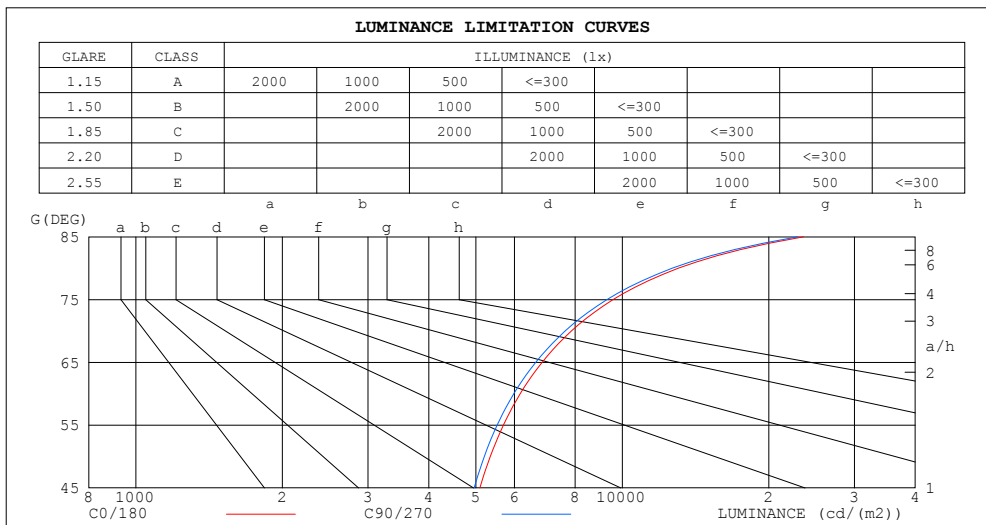
%lamp = 48.2%

C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:Qin Meng  
 Test Date:2025-06-23

$\gamma$  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:7.4900W PF:0.9810 Freq:60.00Hz Lamp Flux:739.868x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:2700K	DIM.:	SERIAL No.:
MFR.:	SUR.: $\phi$ 140*70mm	Shielding Angle:



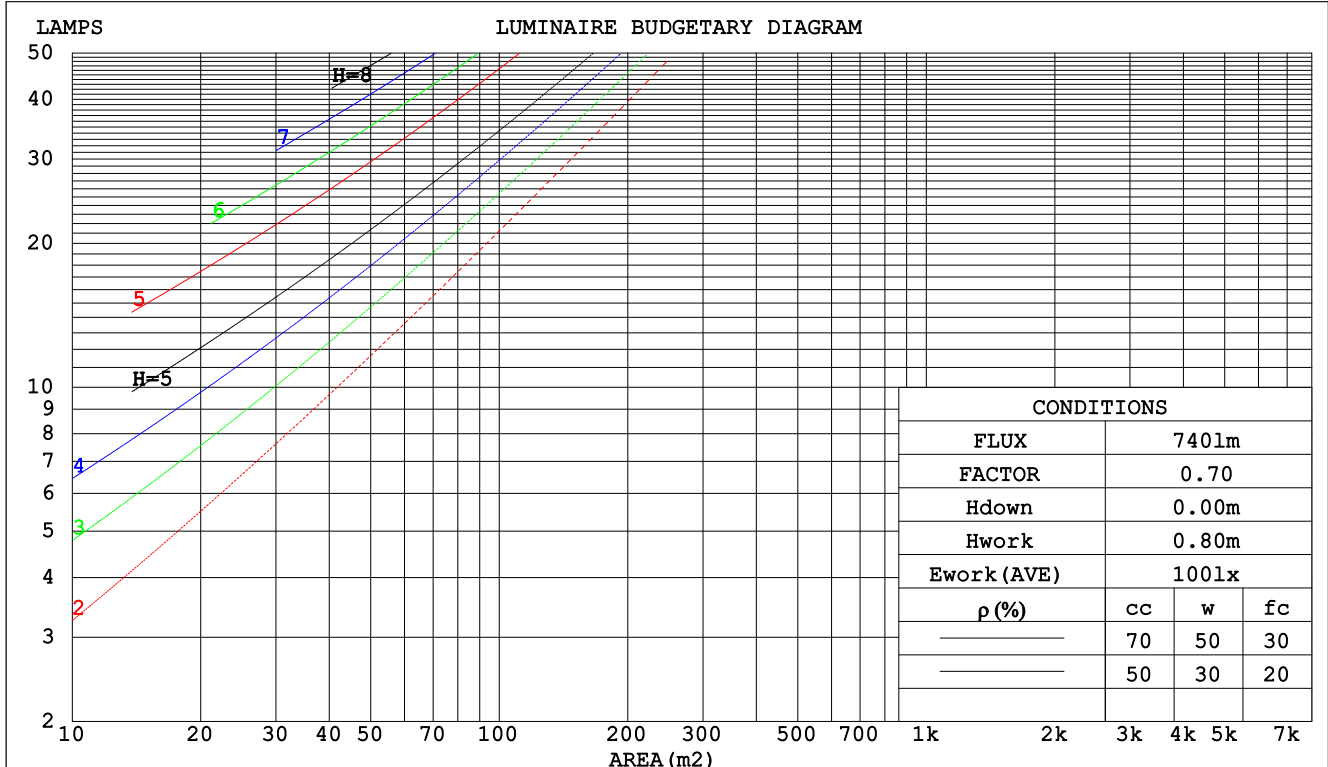
C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:Qin Meng  
Test Date:2025-06-23

$\gamma$  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:7.4900W PF:0.9810 Freq:60.00Hz Lamp Flux:739.868x1 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	1.09	1.09	1.09	1.00	1.00	1.00	.92	.92	.92	.84	.84	.84	.80
1.0	.94	.88	.83	.89	.84	.80	.81	.77	.73	.74	.71	.68	.67	.65	.62	.58
2.0	.79	.71	.64	.76	.68	.62	.69	.63	.57	.63	.58	.53	.57	.53	.49	.46
3.0	.69	.59	.52	.65	.57	.50	.59	.52	.46	.54	.48	.43	.49	.44	.40	.37
4.0	.60	.50	.43	.57	.48	.41	.52	.45	.39	.47	.41	.36	.43	.38	.33	.30
5.0	.53	.43	.36	.51	.42	.35	.46	.39	.33	.42	.36	.31	.38	.33	.28	.26
6.0	.47	.38	.31	.45	.36	.30	.41	.34	.28	.38	.31	.26	.34	.29	.25	.22
7.0	.43	.33	.27	.41	.32	.26	.37	.30	.25	.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	.26	.21	.17	.15
10.0	.32	.24	.19	.31	.24	.18	.29	.22	.17	.27	.21	.16	.24	.19	.15	.13



C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:Qin Meng  
Test Date:2025-06-23

$\gamma$  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:7.4900W PF:0.9810 Freq:60.00Hz Lamp Flux:739.868x1 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	.413	.235	.074	.400	.228	.072	.375	.215	.069	.352	.203	.065	.331	.192	.062	
2.0	.351	.192	.059	.339	.187	.057	.316	.176	.055	.295	.166	.052	.276	.156	.049	
3.0	.308	.164	.049	.297	.159	.048	.277	.150	.046	.258	.141	.043	.240	.133	.041	
4.0	.275	.143	.042	.266	.139	.041	.247	.131	.039	.230	.123	.037	.214	.116	.035	
5.0	.249	.127	.037	.240	.123	.036	.223	.116	.034	.207	.109	.033	.193	.103	.031	
6.0	.227	.114	.033	.219	.111	.032	.204	.104	.030	.189	.098	.029	.176	.092	.027	
7.0	.209	.103	.029	.201	.100	.029	.187	.095	.027	.174	.089	.026	.162	.084	.025	
8.0	.193	.094	.027	.186	.092	.026	.173	.087	.025	.161	.082	.024	.150	.077	.022	
9.0	.180	.087	.024	.173	.085	.024	.161	.080	.023	.150	.075	.022	.140	.071	.020	
10.0	.168	.081	.022	.162	.078	.022	.151	.074	.021	.141	.070	.020	.131	.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	.342	.342	.342	.292	.292	.292	.199	.199	.199	.115	.115	.115	.037	.037	.037	
1.0	.340	.308	.279	.291	.264	.240	.199	.182	.166	.115	.105	.097	.037	.034	.031	
2.0	.334	.285	.245	.286	.246	.211	.196	.170	.147	.113	.099	.086	.036	.032	.028	
3.0	.326	.269	.223	.280	.232	.194	.192	.161	.136	.111	.094	.080	.036	.031	.026	
4.0	.319	.257	.210	.273	.222	.182	.188	.155	.128	.109	.091	.076	.035	.029	.025	
5.0	.311	.247	.200	.267	.214	.174	.184	.149	.123	.106	.088	.073	.034	.029	.024	
6.0	.303	.239	.193	.260	.207	.168	.180	.145	.119	.104	.085	.071	.034	.028	.023	
7.0	.296	.233	.188	.254	.202	.164	.176	.141	.116	.102	.083	.069	.033	.027	.023	
8.0	.289	.227	.185	.249	.197	.161	.172	.138	.114	.100	.082	.068	.032	.027	.023	
9.0	.283	.222	.182	.243	.193	.158	.169	.136	.113	.098	.080	.067	.032	.026	.022	
10.0	.277	.218	.179	.238	.189	.156	.165	.133	.111	.096	.079	.066	.031	.026	.022	

C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:Qin Meng  
Test Date:2025-06-23

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:7.4900W PF:0.9810 Freq:60.00Hz Lamp Flux:739.868x1 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		17.7	19.1	18.3	19.7	20.3	17.6	19.0	18.1	19.5	20.1
3H		20.3	21.6	20.9	22.2	22.8	20.2	21.5	20.7	22.0	22.7
4H		21.8	23.0	22.3	23.6	24.2	21.6	22.8	22.2	23.4	24.1
6H		23.3	24.5	23.9	25.1	25.8	23.2	24.3	23.8	24.9	25.6
8H		24.2	25.3	24.8	25.9	26.6	24.0	25.1	24.6	25.8	26.5
12H		25.2	26.3	25.8	26.9	27.6	25.0	26.1	25.6	26.7	27.4
4H 2H		18.5	19.8	19.1	20.4	21.0	18.4	19.7	19.0	20.3	20.9
3H		21.3	22.4	22.0	23.0	23.8	21.2	22.3	21.8	22.9	23.6
4H		22.9	23.9	23.6	24.6	25.3	22.8	23.8	23.4	24.4	25.2
6H		24.7	25.6	25.4	26.2	27.0	24.5	25.4	25.2	26.1	26.9
8H		25.6	26.5	26.3	27.2	28.0	25.5	26.3	26.2	27.0	27.8
12H		26.8	27.5	27.5	28.2	29.1	26.6	27.4	27.3	28.1	28.9
8H 4H		23.5	24.4	24.2	25.0	25.8	23.4	24.3	24.1	24.9	25.7
6H		25.5	26.3	26.3	27.0	27.8	25.4	26.1	26.1	26.9	27.7
8H		26.7	27.3	27.4	28.1	28.9	26.6	27.2	27.3	28.0	28.8
12H		28.0	28.6	28.8	29.4	30.2	27.9	28.5	28.7	29.2	30.1
12H 4H		23.7	24.4	24.4	25.1	26.0	23.6	24.3	24.3	25.0	25.9
6H		25.8	26.4	26.5	27.2	28.0	25.7	26.3	26.4	27.1	27.9
8H		27.1	27.6	27.8	28.4	29.3	27.0	27.5	27.7	28.3	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, 739.9 lm Total Lamp Luminous Flux Corrected (8log(F/F0) = -1.0)  
Area: 0.030788 m2

C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:Qin Meng  
Test Date:2025-06-23

$\gamma$  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:7.4900W PF:0.9810 Freq:60.00Hz Lamp Flux:739.868x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:2700K	DIM.:	SERIAL No.:
MFR.:	SUR.:Φ140*70mm	Shielding Angle:

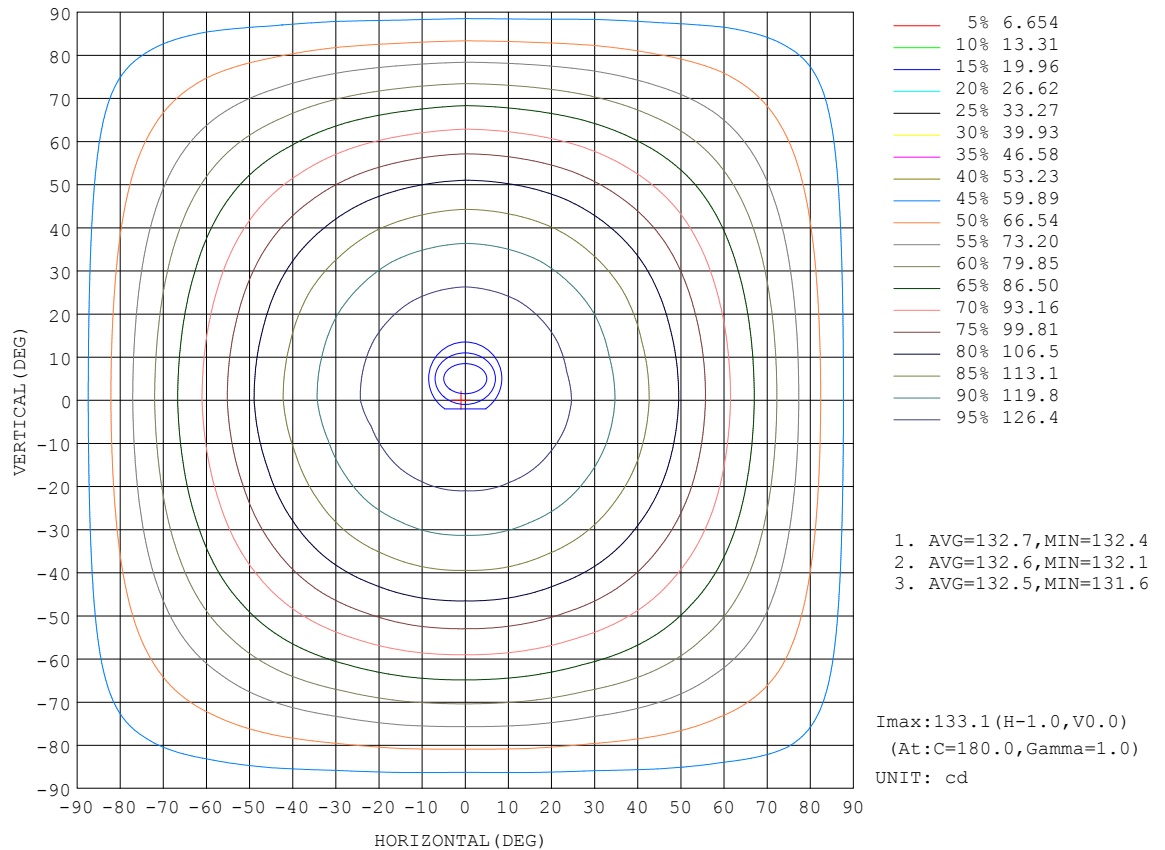
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS (PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	45	33	25	44	32	25	42	31	24	18
0.80	54	41	32	53	40	32	50	39	31	23
1.00	62	48	39	60	47	39	56	48	38	29
1.25	69	55	46	66	54	46	62	51	44	34
1.50	74	61	52	71	59	51	66	56	49	38
2.00	81	69	61	78	67	59	72	63	56	44
2.50	86	75	66	83	73	65	76	68	61	48
3.00	90	80	72	86	77	70	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:2025-06-23

$\gamma$  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:7.4900W PF:0.9810 Freq:60.00Hz Lamp Flux:739.868x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:2700K	DIM.:	SERIAL No.:
MFR.:	SUR.: $\Phi$ 140*70mm	Shielding Angle:

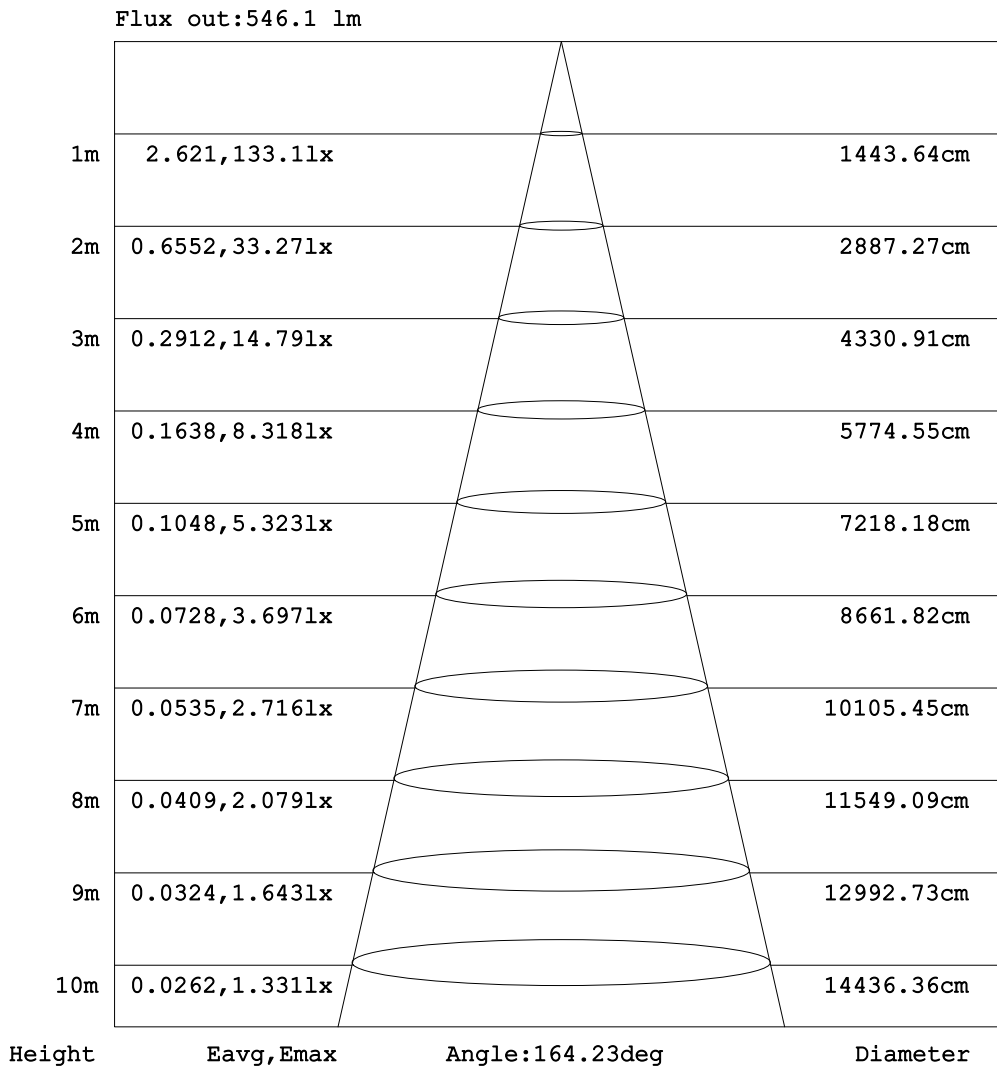


C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:Qin Meng  
Test Date:2025-06-23

$\gamma$  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:7.4900W PF:0.9810 Freq:60.00Hz Lamp Flux:739.868x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:2700K	DIM.:	SERIAL No.:
MFR.:	SUR.:Φ140*70mm	Shielding Angle:



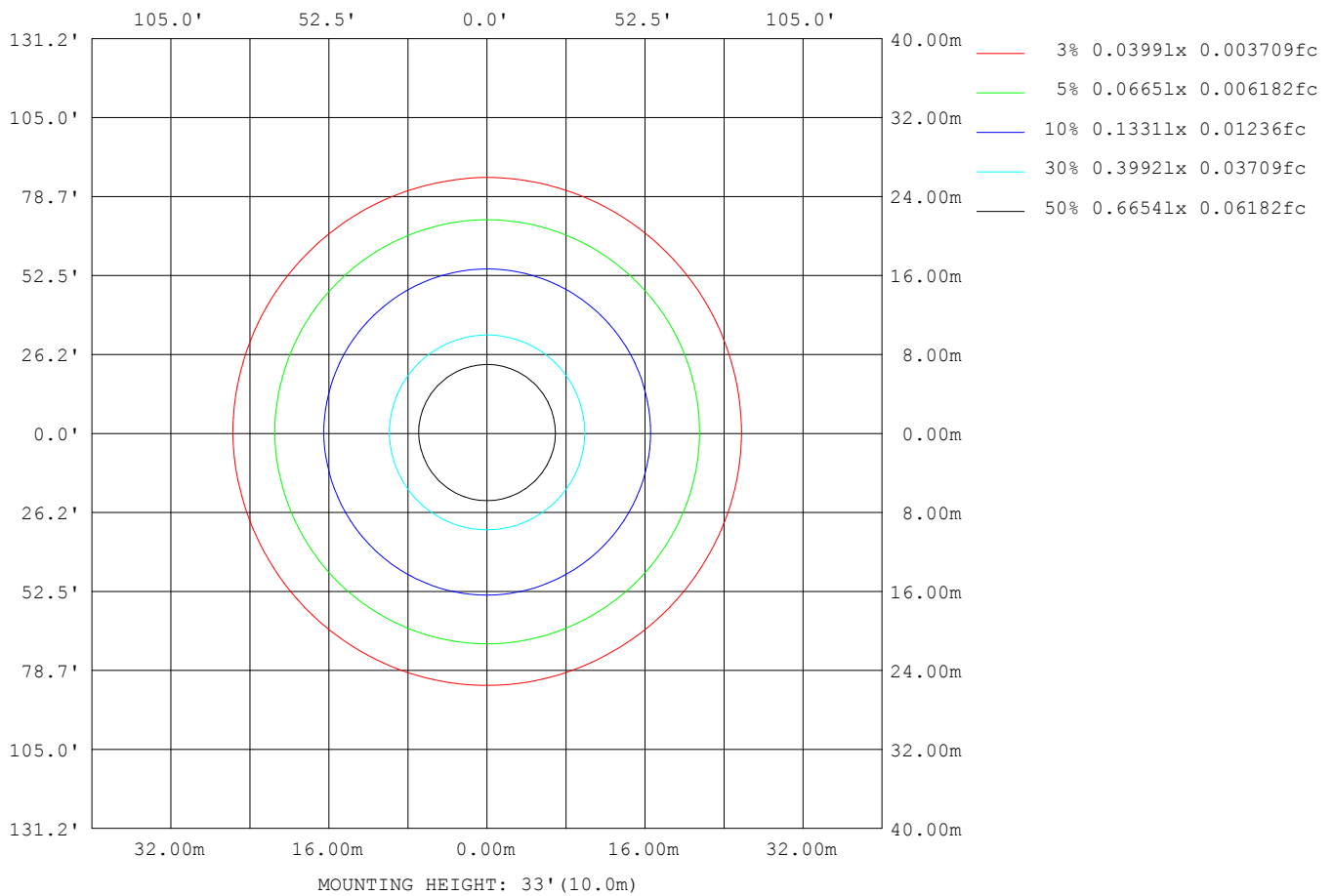
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:Qin Meng  
Test Date:2025-06-23

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:7.4900W PF:0.9810 Freq:60.00Hz Lamp Flux:739.868x1 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:2025-06-23

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:7.4900W PF:0.9810 Freq:60.00Hz Lamp Flux:739.868x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:2700K	DIM.:	SERIAL No.:
MFR.:	SUR.:Φ140*70mm	Shielding Angle:

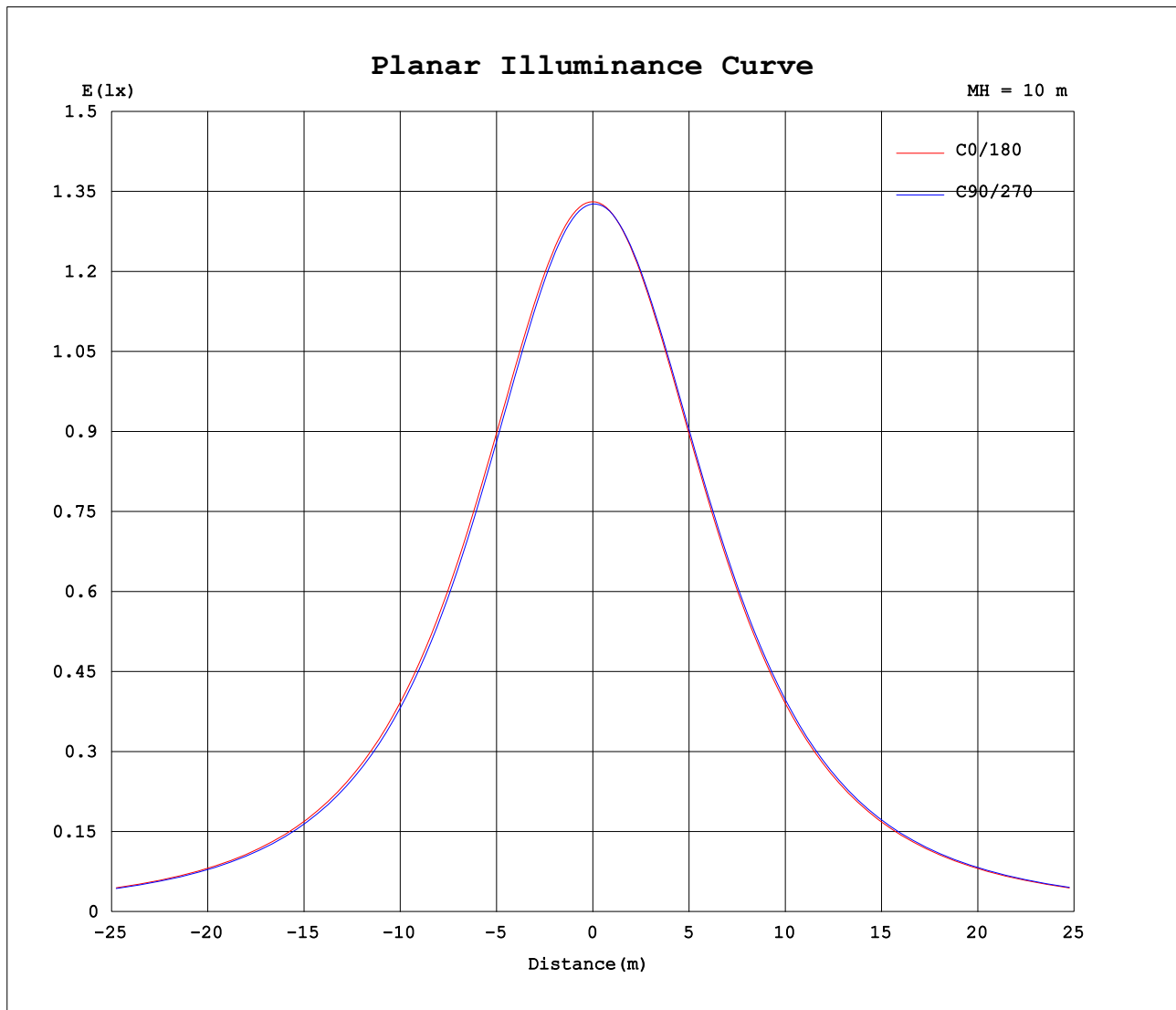
AvgL	cd/m2
L_0~180 (65) av	6821
L_0~180 (75) av	9552
L_0~180 (85) av	23509
L_90~270 (65) av	6799
L_90~270 (75) av	9525
L_90~270 (85) av	23451
L_45 (65) av	6759
L_45 (75) av	9467
L_45 (85) av	23418

Standard: GB/T 29293-2012

C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:Qin Meng  
Test Date:2025-06-23

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: 2025-06-23

$\gamma$  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:7.4900W PF:0.9810 Freq:60.00Hz Lamp Flux:739.868x1 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	133	133	133	133	133	133	133	133	133	133	133	132	133	133	133	133	133	133	133
5	133	133	133	133	132	132	132	132	132	132	132	132	133	133	133	133	133	133	133
10	132	132	132	131	131	131	131	131	131	131	131	131	132	132	132	132	132	132	132
15	131	130	130	130	130	129	129	129	129	130	130	130	131	131	131	131	131	131	131
20	129	128	128	128	127	127	127	127	127	127	127	128	129	129	129	129	129	129	129
25	126	126	125	125	124	124	124	124	124	125	125	125	126	126	126	127	127	127	127
30	123	123	122	122	121	121	121	121	121	121	122	122	123	123	123	124	124	124	124
35	120	119	118	118	117	117	117	117	117	118	118	118	119	119	120	120	120	121	121
40	115	115	114	114	113	113	113	113	113	113	114	114	115	115	116	116	116	117	117
45	111	110	109	109	108	108	108	108	108	109	109	109	110	111	111	111	112	112	112
50	106	105	104	104	103	103	103	103	103	104	104	104	105	106	106	106	107	107	107
55	101	99.9	98.9	98.3	97.8	97.8	97.6	97.8	97.8	98.2	98.4	98.9	100	100	101	101	101	102	102
60	94.9	94.2	93.2	92.6	92.1	92.1	92.1	92.2	92.1	92.4	92.7	93.2	94.4	94.4	94.8	95.0	95.6	96.0	96.5
65	89.0	88.3	87.2	86.7	86.2	86.3	86.4	86.4	86.2	86.5	86.7	87.4	88.5	88.4	88.7	88.9	89.5	89.9	90.6
70	82.8	82.2	81.1	80.6	80.1	80.4	80.4	80.4	80.1	80.4	80.6	81.3	82.4	82.2	82.4	82.6	83.2	83.6	84.3
75	76.3	75.8	74.8	74.4	73.9	74.2	74.1	74.2	73.9	74.2	74.3	75.0	76.0	75.9	76.1	76.2	76.8	77.2	77.7
80	69.7	69.4	68.5	68.2	67.7	67.9	67.7	67.9	67.7	68.0	68.0	68.5	69.3	69.3	69.7	69.7	70.3	70.5	71.0
85	63.2	63.0	62.3	62.1	61.6	61.7	61.5	61.7	61.6	61.9	61.8	62.2	62.9	62.9	63.3	63.4	63.8	64.0	64.4
90	57.0	56.8	56.2	56.0	55.6	55.6	55.4	55.6	55.6	55.8	55.7	56.0	56.7	56.7	57.0	57.1	57.5	57.6	58.0
95	51.0	50.8	50.3	50.1	49.8	49.8	49.6	49.8	49.7	49.9	49.8	50.0	50.6	50.6	50.9	50.9	51.3	51.5	51.8
100	44.3	44.1	44.5	44.5	44.1	43.6	43.4	43.3	44.0	44.2	44.1	43.7	44.4	44.2	45.0	45.0	45.5	45.0	45.4
105	35.8	35.7	38.8	39.0	38.7	36.2	35.1	35.1	38.5	38.8	38.6	35.8	36.2	36.2	39.4	39.4	39.7	37.2	37.0
110	25.8	27.3	33.1	33.8	33.3	29.3	26.1	27.8	32.9	33.6	33.1	28.7	27.0	28.9	33.8	34.2	34.1	29.9	27.6
115	17.2	21.3	27.6	28.9	28.0	23.6	19.5	22.4	27.4	28.7	27.7	23.0	19.8	23.2	28.3	29.1	28.6	24.0	19.7
120	13.5	16.6	22.6	24.1	23.0	19.0	16.5	18.1	22.4	23.9	22.7	18.6	16.7	18.8	23.2	24.3	23.4	19.3	16.6
125	9.74	13.0	18.0	19.6	18.5	15.2	13.7	14.6	17.9	19.4	18.2	14.9	14.0	15.1	18.7	19.8	18.8	15.5	14.2
130	7.01	10.1	14.1	15.5	14.5	12.1	11.0	11.7	14.0	15.3	14.2	11.8	11.3	12.0	14.6	15.7	14.7	12.2	11.6
135	5.45	7.63	10.6	11.8	11.0	9.30	8.61	9.06	10.6	11.7	10.8	9.20	8.93	9.37	11.2	12.1	11.3	9.32	8.89
140	4.11	5.53	7.64	8.64	8.04	6.91	6.43	6.78	7.81	8.57	7.92	6.93	6.78	7.05	8.30	8.90	8.32	6.87	6.61
145	2.71	3.70	5.15	5.98	5.61	4.90	4.61	4.83	5.47	5.95	5.52	4.84	4.91	4.70	5.88	6.25	5.89	4.84	4.59
150	1.53	2.22	3.42	3.85	3.65	3.26	3.07	3.14	3.46	3.63	3.34	2.90	3.15	3.32	3.83	4.08	3.91	3.29	2.90
155	0.97	1.57	2.02	2.18	2.08	1.93	1.79	1.77	1.91	1.90	1.74	1.43	1.25	1.97	2.18	2.35	2.34	2.02	1.79
160	0.51	0.71	0.86	0.91	0.86	0.80	0.78	0.72	0.71	0.69	0.69	0.77	0.81	0.83	0.89	1.04	1.09	0.97	0.90
165	0.02	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	0.04	0.14	0.13	0.13
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:2025-06-23

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:7.4900W PF:0.9810 Freq:60.00Hz Lamp Flux:739.868x1 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	133	133	133	133	132														
5	133	133	133	133	132														
10	132	132	132	132	132														
15	131	131	131	131	130														
20	129	129	129	129	129														
25	127	127	127	126	126														
30	124	124	124	124	123														
35	121	121	120	120	120														
40	117	117	116	116	116														
45	112	112	112	112	111														
50	107	107	107	107	106														
55	102	102	102	101	101														
60	96.3	96.2	95.7	95.6	95.1														
65	90.3	90.1	89.7	89.5	89.1														
70	84.0	83.8	83.4	83.2	82.9														
75	77.5	77.3	76.9	76.8	76.4														
80	70.9	70.8	70.4	70.4	69.9														
85	64.3	64.4	64.0	64.0	63.5														
90	57.9	58.0	57.7	57.7	57.3														
95	51.7	51.8	51.6	51.6	51.2														
100	45.2	45.9	45.6	45.7	44.5														
105	37.0	40.1	40.0	39.9	36.6														
110	29.2	34.4	34.5	33.7	29.2														
115	23.5	28.7	29.1	27.4	23.0														
120	19.0	23.5	24.0	21.5	17.2														
125	15.3	18.8	19.2	16.6	12.0														
130	12.1	14.8	15.0	12.6	8.33														
135	9.23	11.3	11.3	9.30	6.27														
140	6.32	8.35	8.24	6.72	4.71														
145	4.11	5.91	5.84	4.69	3.24														
150	2.81	3.91	3.98	3.17	2.21														
155	1.62	2.29	2.36	2.11	1.62														
160	0.81	0.97	1.00	1.01	0.87														
165	0.09	0.00	0.07	0.04	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:2025-06-23

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]  
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