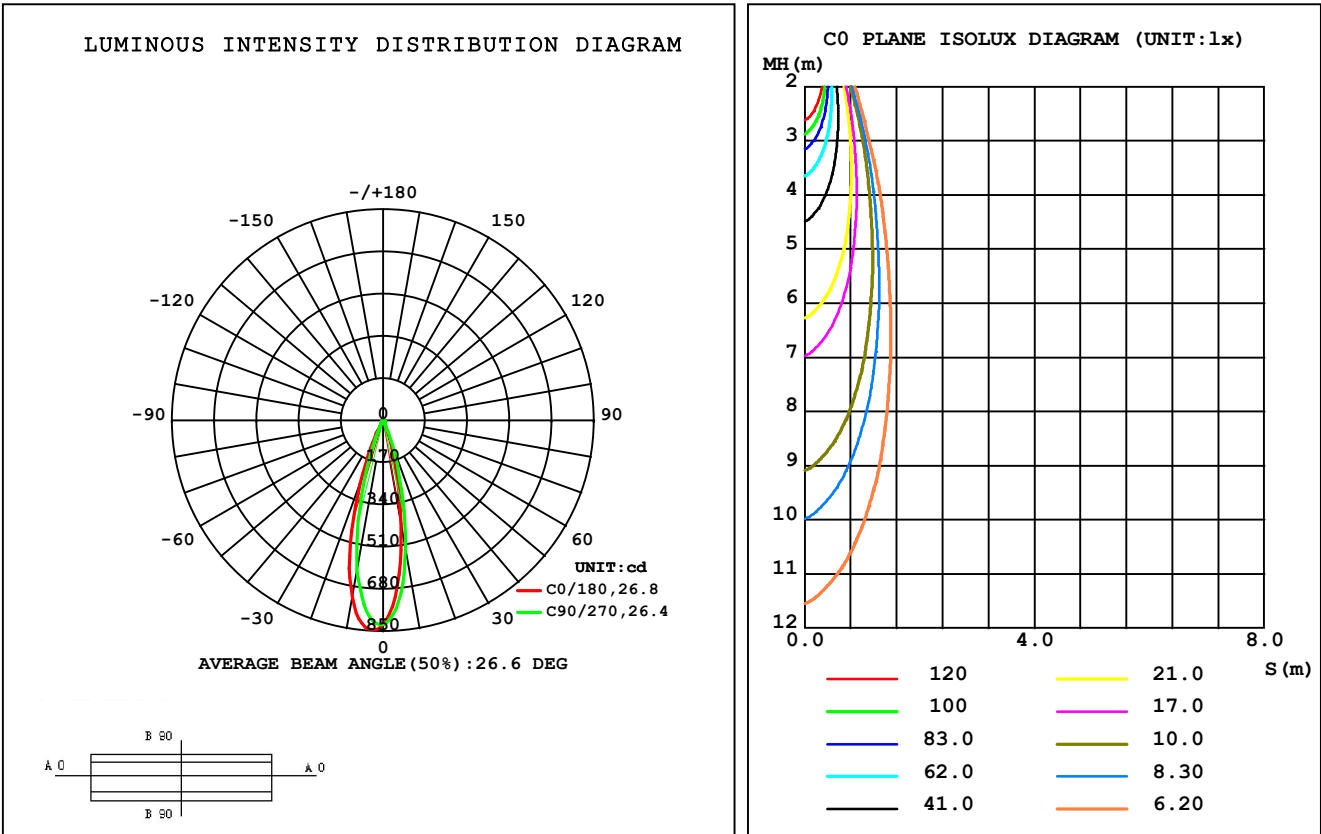


LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:47.997V I:0.0616A P:2.9566W PF:1.0000 Freq:49.99Hz Lamp Flux:208.04x1 lm					
NAME: 6874		TYPE:		WEIGHT:	
SPEC.:		DIM.:		SERIAL No.:	
MFR.:		SUR.:		Shielding Angle:	

DATA OF LAMP		PHOTOMETRIC DATA				Eff: 70.36 lm/W
MODEL		I _{max} (cd)	844.7	S/MH(C0/180)	0.53	
NOMINAL POWER(W)	3	LOR(%)	100.0	S/MH(C90/270)	0.46	
RATED VOLTAGE(V)	DC48	TOTAL FLUX(lm)	208.04	η UP,DN(C0-180)	0.0,43.1	
NOMINAL FLUX(lm)	208.04	CIE CLASS	DIRECT	η UP,DN(C180-360)	0.0,56.9	
LAMPS INSIDE	1	η up (%)	0.0	CIBSE SHR NOM	0.00	
TEST VOLTAGE(V)	48	η down (%)	100.0	CIBSE SHR MAX	1.00	



C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:彭金英
Test Date:2025-7-15

γ Range: 0 - 90DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000 SYSTEM V2.0.404.6
Humidity:60%
Test Distance:12.350m [K=1.0000]
Remarks:

ZONAL FLUX DIAGRAM

ZONAL FLUX DIAGRAM:

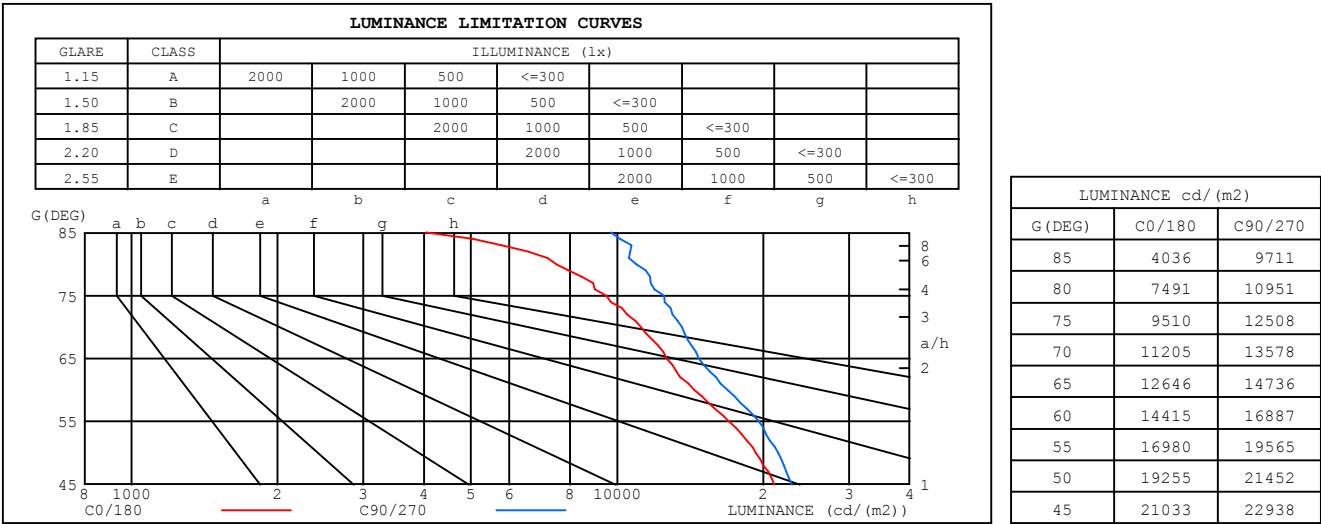
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum, lamp
10	422.3	449.2	522.6	649.5	723.0	703.6	610.7	473.7	0- 10	65.91	65.91	31.7,31.7
20	77.18	86.02	130.2	209.3	272.2	254.5	170.6	99.49	10- 20	93.23	159.1	76.5,76.5
30	12.73	13.05	15.70	24.58	35.95	30.21	19.07	14.16	20- 30	31.11	190.3	91.5,91.4
40	5.927	5.998	6.749	7.588	8.362	8.133	7.238	6.353	30- 40	7.075	197.3	94.9,94.9
50	3.871	3.853	4.343	4.483	4.716	4.671	4.395	3.965	40- 50	4.163	201.5	96.9,96.9
60	2.254	2.201	2.660	2.929	3.209	3.173	2.733	2.399	50- 60	3.124	204.6	98.4,98.4
70	1.199	1.133	1.463	1.653	1.802	1.785	1.472	1.300	60- 70	2.012	206.6	99.3,99.3
80	0.4068	0.3407	0.5990	0.7101	0.8457	0.8817	0.5973	0.5001	70- 80	1.083	207.7	99.8,99.8
90	0.0550	0.0330	0.0443	0.0555	0.2089	0.1872	0.0554	0.0444	80- 90	0.3285	208.0	100,100
100									90-100			
110									100-110			
120									110-120			
130									120-130			
140									130-140			
150									140-150			
160									150-160			
170									160-170			
180									170-180			
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:彭金英
Test Date:2025-7-15

γ Range: 0 - 90DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000 SYSTEM V2.0.404.6
Humidity:60%
Test Distance:12.350m [K=1.0000]
Remarks:

LUMINANCE LIMITATION CURVES

Test:U:47.997V I:0.0616A P:2.9566W PF:1.0000 Freq:49.99Hz Lamp Flux:208.04x1 lm		
NAME: 6874	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:



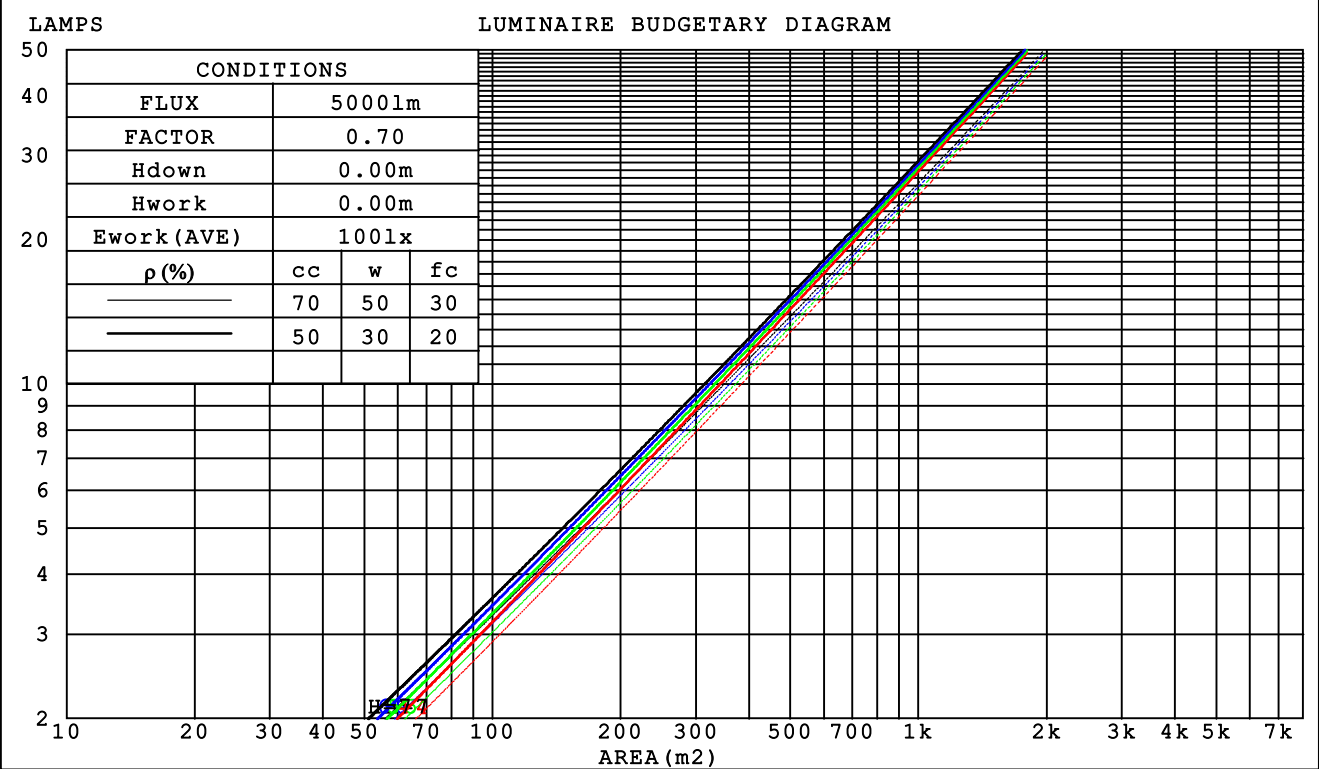
C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:彭金英
Test Date:2025-7-15

γ Range: 0 - 90DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000 SYSTEM V2.0.404.6
Humidity:60%
Test Distance:12.350m [K=1.0000]
Remarks:

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:47.997V I:0.0616A P:2.9566W PF:1.0000 Freq:49.99Hz Lamp Flux:208.04x1 lm		
NAME: 6874	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	1.19	1.19	1.19	1.16	1.16	1.16	1.11	1.11	1.11	1.06	1.06	1.06	1.02	1.02	1.02	.00														
1.0	1.12	1.10	1.08	1.10	1.08	1.07	1.06	1.05	1.03	1.02	1.01	1.00	.99	.98	.97	.96														
2.0	1.06	1.03	1.00	1.05	1.02	.99	1.02	.99	.97	.99	.97	.95	.96	.95	.93	.92														
3.0	1.01	.98	.94	1.00	.97	.94	.98	.95	.92	.95	.93	.91	.93	.91	.89	.88														
4.0	.97	.93	.90	.96	.92	.89	.94	.91	.88	.92	.89	.87	.90	.88	.86	.85														
5.0	.93	.89	.85	.92	.88	.85	.91	.87	.84	.89	.86	.84	.88	.85	.83	.82														
6.0	.90	.85	.82	.89	.85	.82	.88	.84	.81	.86	.83	.81	.85	.82	.80	.79														
7.0	.87	.82	.79	.86	.82	.79	.85	.81	.78	.84	.80	.78	.83	.80	.78	.77														
8.0	.84	.79	.76	.83	.79	.76	.82	.79	.76	.81	.78	.76	.81	.78	.75	.74														
9.0	.81	.77	.74	.81	.77	.74	.80	.76	.73	.79	.76	.73	.78	.75	.73	.72														
10.0	.79	.74	.72	.78	.74	.72	.78	.74	.71	.77	.74	.71	.76	.73	.71	.70														



C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:彭金英
Test Date:2025-7-15

γ Range: 0 - 90DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000 SYSTEM V2.0.404.6
Humidity:60%
Test Distance:12.350m [K=1.0000]
Remarks:

WEC AND CCEC

Test:U:47.997V I:0.0616A P:2.9566W PF:1.0000 Freq:49.99Hz Lamp Flux:208.04x1 lm					
NAME: 6874			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	.149	.085	.027	.142	.081	.026	.130	.074	.024	.118	.068	.022	.108	.062	.020															
2.0	.138	.076	.023	.133	.073	.023	.122	.068	.021	.113	.063	.020	.104	.059	.019															
3.0	.129	.068	.020	.124	.066	.020	.115	.062	.019	.107	.059	.018	.100	.055	.017															
4.0	.120	.062	.018	.116	.061	.018	.109	.058	.017	.102	.055	.017	.096	.052	.016															
5.0	.113	.058	.017	.110	.056	.016	.103	.054	.016	.098	.051	.015	.092	.049	.015															
6.0	.107	.053	.015	.104	.052	.015	.098	.050	.015	.093	.048	.014	.089	.047	.014															
7.0	.101	.050	.014	.099	.049	.014	.094	.047	.014	.089	.046	.013	.085	.044	.013															
8.0	.096	.047	.013	.094	.046	.013	.090	.045	.013	.086	.043	.013	.082	.042	.012															
9.0	.092	.044	.012	.090	.044	.012	.086	.043	.012	.083	.041	.012	.079	.040	.012															
10.0	.088	.042	.012	.086	.041	.012	.083	.040	.011	.080	.039	.011	.077	.039	.011															

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	.190	.190	.190	.163	.163	.163	.111	.111	.111	.064	.064	.064	.020	.020	.020	
1.0	.169	.158	.147	.145	.135	.127	.099	.093	.088	.057	.054	.051	.018	.017	.016	
2.0	.152	.133	.117	.130	.114	.101	.089	.079	.070	.051	.046	.041	.016	.015	.013	
3.0	.137	.113	.094	.118	.098	.082	.081	.068	.057	.047	.040	.034	.015	.013	.011	
4.0	.125	.098	.078	.107	.085	.067	.074	.059	.047	.043	.035	.028	.014	.011	.009	
5.0	.115	.086	.065	.099	.074	.056	.068	.052	.040	.039	.030	.024	.013	.010	.008	
6.0	.106	.076	.055	.091	.066	.048	.063	.046	.034	.036	.027	.020	.012	.009	.007	
7.0	.098	.068	.047	.085	.059	.041	.059	.041	.029	.034	.024	.017	.011	.008	.006	
8.0	.092	.061	.040	.079	.053	.035	.055	.037	.025	.032	.022	.015	.010	.007	.005	
9.0	.086	.056	.035	.074	.048	.030	.052	.034	.022	.030	.020	.013	.010	.007	.004	
10.0	.081	.051	.031	.070	.044	.027	.049	.031	.019	.028	.018	.011	.009	.006	.004	

C Range: 0 - 360DEG
 C Interval: 45.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators: 彭金英
 Test Date: 2025-7-15

γ Range: 0 - 90DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-2000 SYSTEM V2.0.404.6
 Humidity: 60%
 Test Distance: 12.350m [K=1.0000]
 Remarks:

UGR(Unified Glare Rating) Table

Test:U:47.997V I:0.0616A P:2.9566W PF:1.0000 Freq:49.99Hz Lamp Flux:208.04x1 lm											
NAME: 6874					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		19.8	20.5	20.0	20.6	20.8	20.4	21.1	20.6	21.2	21.4
3H		20.7	21.3	20.9	21.5	21.7	21.4	22.0	21.6	22.2	22.4
4H		21.0	21.6	21.3	21.8	22.1	21.8	22.4	22.0	22.6	22.8
6H		21.2	21.8	21.5	22.0	22.3	22.1	22.7	22.4	22.9	23.1
8H		21.2	21.8	21.5	22.0	22.3	22.2	22.8	22.5	23.0	23.3
12H		21.2	21.8	21.5	22.0	22.3	22.2	22.8	22.6	23.1	23.3
4H 2H		20.2	20.8	20.5	21.0	21.2	20.7	21.3	20.9	21.5	21.7
3H		21.2	21.8	21.5	22.0	22.3	21.8	22.4	22.1	22.6	22.9
4H		21.6	22.1	22.0	22.4	22.7	22.3	22.8	22.7	23.1	23.4
6H		21.9	22.3	22.2	22.7	23.0	22.7	23.2	23.1	23.5	23.8
8H		21.9	22.3	22.3	22.7	23.1	22.8	23.3	23.2	23.6	24.0
12H		21.9	22.3	22.3	22.7	23.1	22.9	23.3	23.3	23.7	24.1
8H 4H		21.7	22.1	22.1	22.5	22.8	22.4	22.8	22.8	23.1	23.5
6H		22.0	22.4	22.4	22.8	23.2	22.8	23.2	23.2	23.6	24.0
8H		22.1	22.4	22.5	22.8	23.3	23.0	23.3	23.4	23.7	24.2
12H		22.1	22.4	22.6	22.8	23.3	23.1	23.4	23.6	23.8	24.3
12H 4H		21.7	22.1	22.1	22.4	22.8	22.3	22.7	22.7	23.1	23.5
6H		22.0	22.3	22.5	22.7	23.2	22.8	23.1	23.2	23.5	24.0
8H		22.1	22.4	22.5	22.8	23.3	23.0	23.2	23.4	23.7	24.1
Variations with the observer position at spacings:											
S = 1.0H		+ 0.4 / - 0.5					+ 0.3 / - 0.4				
1.5H		+ 0.2 / - 0.3					+ 0.3 / - 0.4				
2.0H		+ 0.7 / - 0.7					+ 0.7 / - 0.8				

CIE Pub.117, 208.0 lm Total Lamp Luminous Flux Correct ($8\log(F/F_0) = -5.5$)

C Range: 0 - 360DEG
 C Interval: 45.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators: 彭金英
 Test Date: 2025-7-15

γ Range: 0 - 90DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-2000 SYSTEM V2.0.404.6
 Humidity: 60%
 Test Distance: 12.350m [K=1.0000]
 Remarks:

UTILIZATION FACTORS TABLE

Test:U:47.997V I:0.0616A P:2.9566W PF:1.0000 Freq:49.99Hz Lamp Flux:208.04x1 lm		
NAME: 6874	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

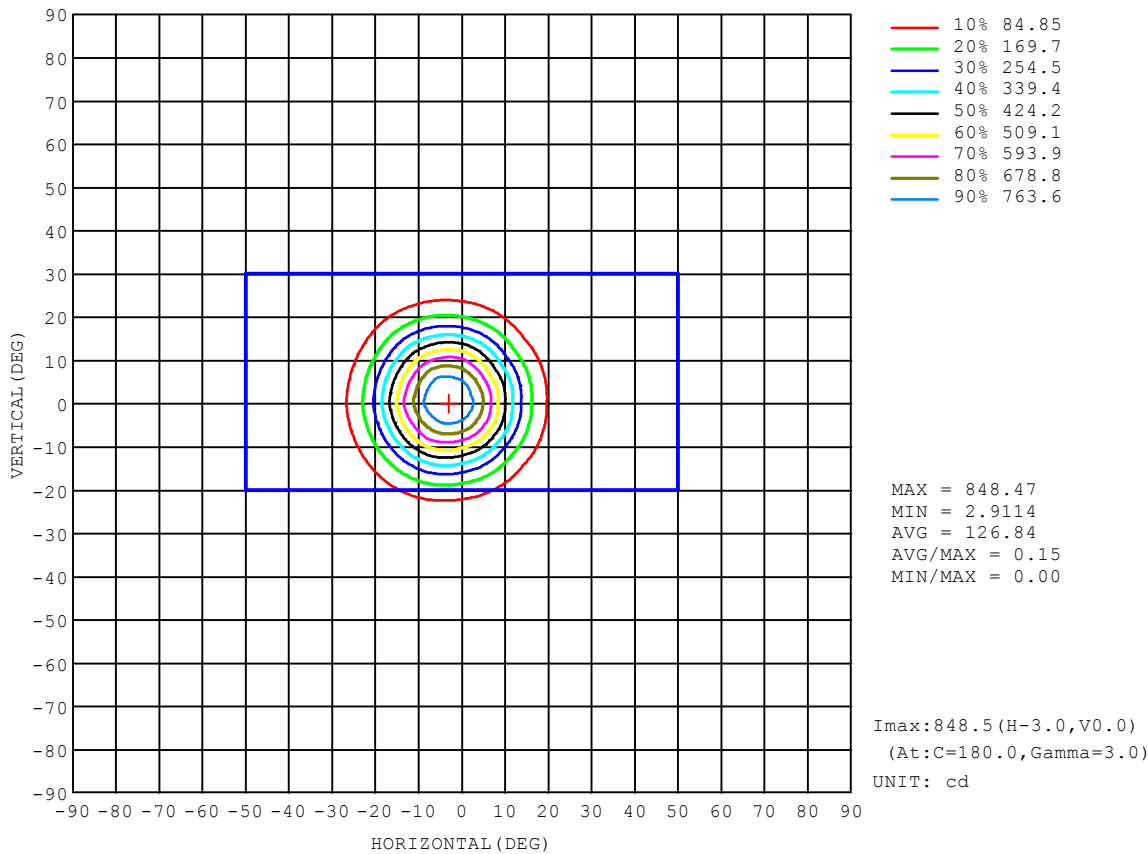
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS (PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	88	82	79	88	82	78	87	82	78	75
0.80	96	90	86	95	90	86	94	89	86	82
1.00	100	94	91	99	94	90	97	94	90	86
1.25	104	98	95	102	98	95	101	97	94	90
1.50	106	102	98	105	101	98	103	99	97	92
2.00	109	105	101	107	104	101	105	102	99	94
2.50	110	107	104	109	105	103	106	103	101	95
3.00	112	109	106	110	107	105	107	104	103	96
4.00	114	111	109	112	110	108	108	106	105	98
5.00	115	113	111	113	111	110	109	108	106	99
ROOM INDEX	UF (total)									Direct
According to DIN EN 13032-2 2004			Suspended					SHRNOM = 1.25		

C Range: 0 - 360DEG
 C Interval: 45.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators: 彭金英
 Test Date: 2025-7-15

γ Range: 0 - 90DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-2000 SYSTEM V2.0.404.6
 Humidity: 60%
 Test Distance: 12.350m [K=1.0000]
 Remarks:

ISOCANDELA DIAGRAM

Test:U:47.997V I:0.0616A P:2.9566W PF:1.0000 Freq:49.99Hz Lamp Flux:208.04x1 lm		
NAME: 6874	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

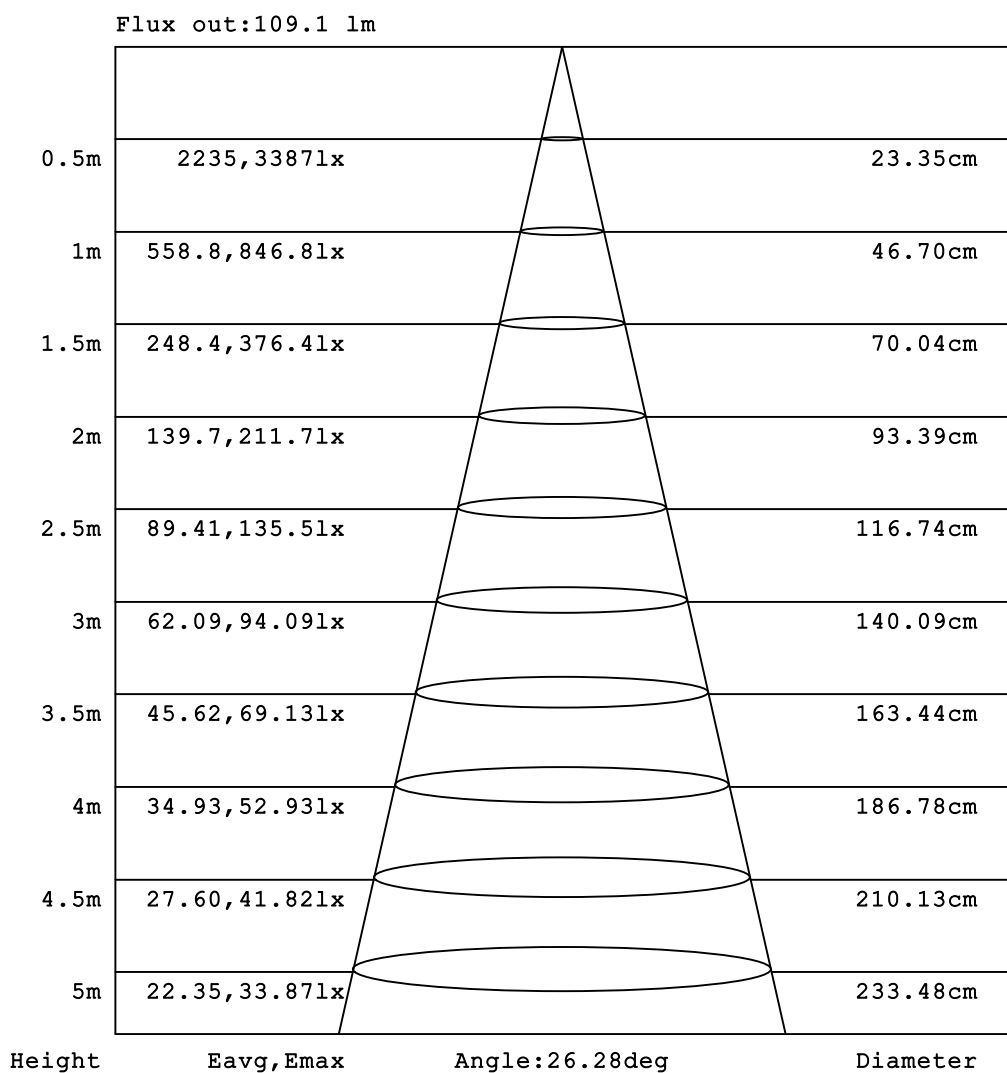


C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:彭金英
Test Date:2025-7-15

γ Range: 0 - 90DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000 SYSTEM V2.0.404.6
Humidity:60%
Test Distance:12.350m [K=1.0000]
Remarks:

AAI Figure

Test:U:47.997V I:0.0616A P:2.9566W PF:1.0000 Freq:49.99Hz Lamp Flux:208.04x1 lm		
NAME: 6874	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:



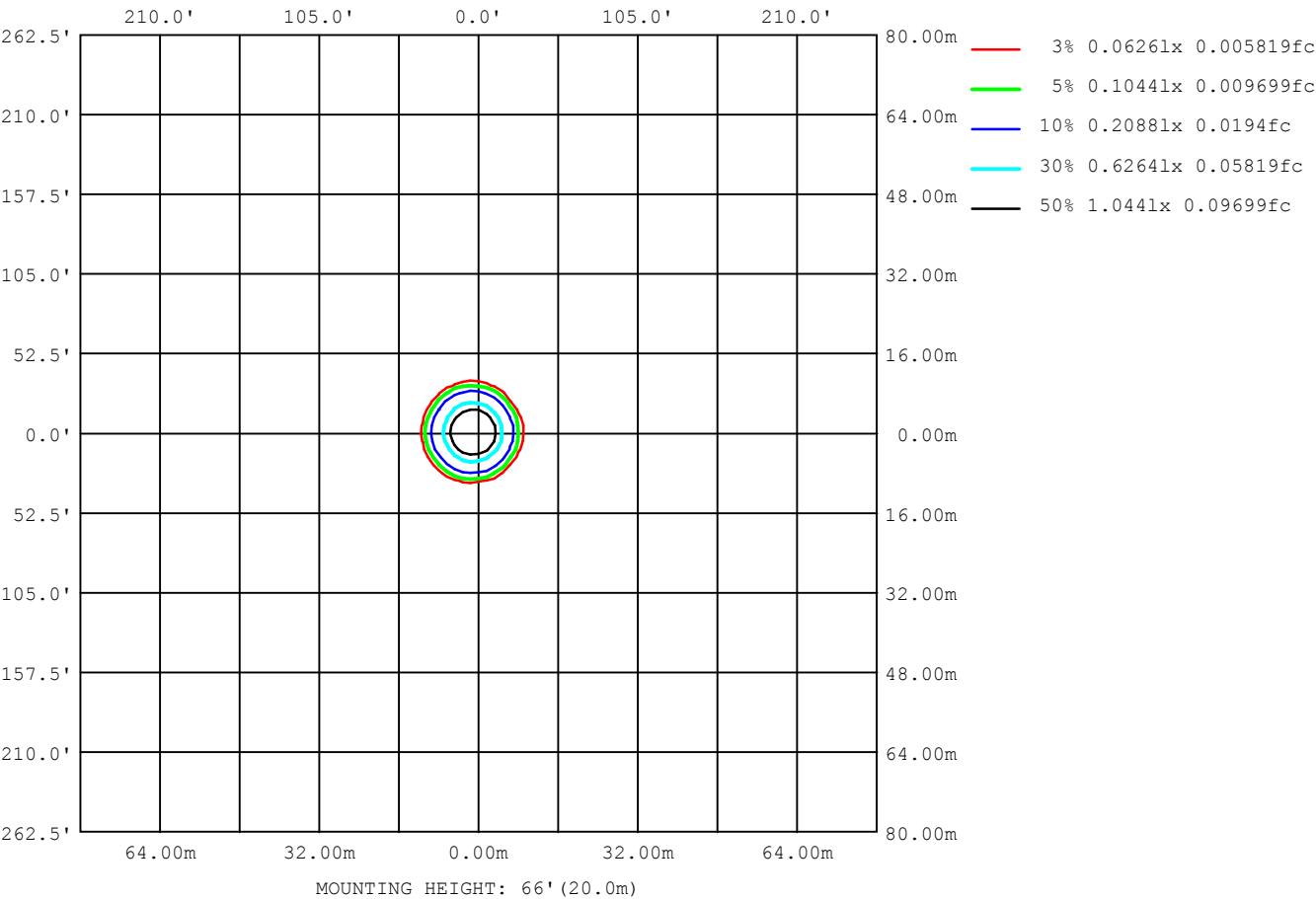
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
 C Interval: 45.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:彭金英
 Test Date:2025-7-15

γ Range: 0 - 90DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000 SYSTEM V2.0.404.6
 Humidity:60%
 Test Distance:12.350m [K=1.0000]
 Remarks:

ISOLUX DIAGRAM

Test:U:47.997V I:0.0616A P:2.9566W PF:1.0000 Freq:49.99Hz Lamp Flux:208.04x1 lm		
NAME: 6874	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:



C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:彭金英
Test Date:2025-7-15

γ Range: 0 - 90DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000 SYSTEM V2.0.404.6
Humidity:60%
Test Distance:12.350m [K=1.0000]
Remarks:

LED Avg.L Report

Test:U:47.997V I:0.0616A P:2.9566W PF:1.0000 Freq:49.99Hz Lamp Flux:208.04x1 lm		
NAME: 6874	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

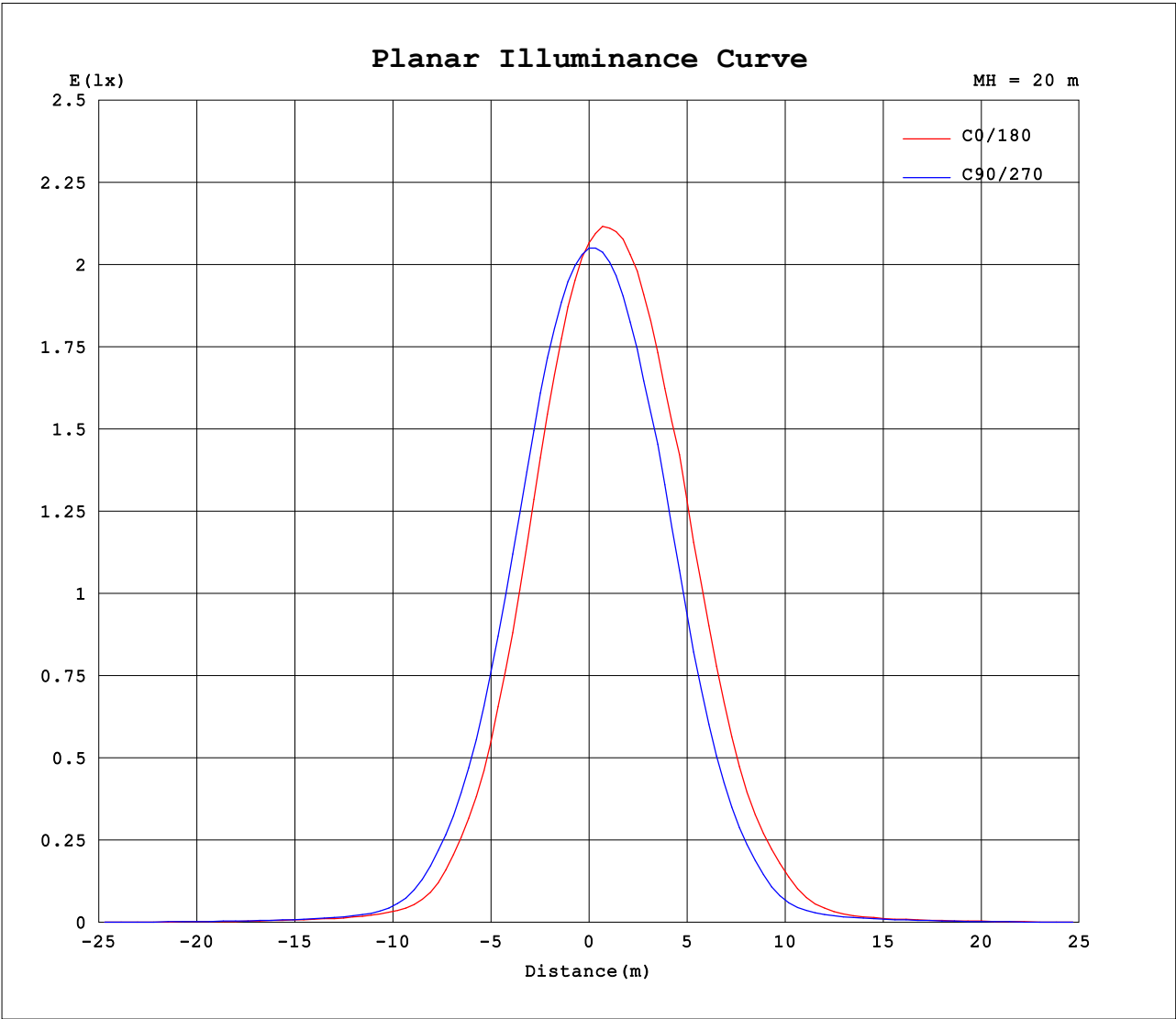
AvgL	cd/m2
L_0~180 (65) av	15401
L_0~180 (75) av	12775
L_0~180 (85) av	10429
L_90~270 (65) av	14890
L_90~270 (75) av	12530
L_90~270 (85) av	9507
L_45 (65) av	15135
L_45 (75) av	12544
L_45 (85) av	9798

Standard: GB/T 29293-2012

C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:彭金英
Test Date:2025-7-15

γ Range: 0 - 90DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000 SYSTEM V2.0.404.6
Humidity:60%
Test Distance:12.350m [K=1.0000]
Remarks:

Planar Illuminance Curve



C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:彭金英
Test Date:2025-7-15

γ Range: 0 - 90DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000 SYSTEM V2.0.404.6
Humidity:60%
Test Distance:12.350m [K=1.0000]
Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:47.997V I:0.0616A P:2.9566W PF:1.0000 Freq:49.99Hz Lamp Flux:208.04x1 lm		
NAME: 6874	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

Table--1

UNIT: cd

[illegible]

C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: 彭金英
Test Date: 2025-7-15

```

γ Range: 0 - 90DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000 SYSTEM V2.0.404.6
Humidity:60%
Test Distance:12.350m [K=1.0000]
Remarks:

```