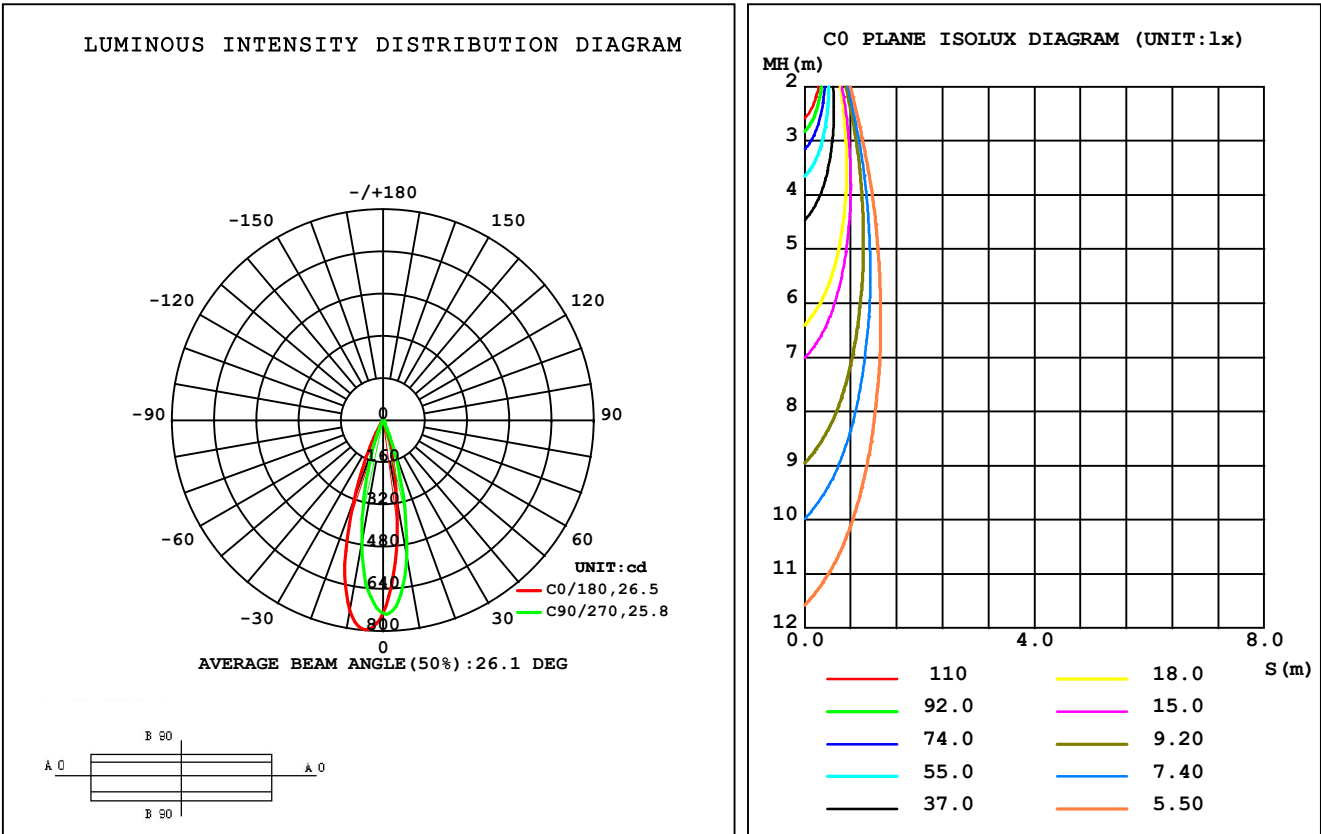


LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:47.997V I:0.0639A P:3.0670W PF:1.0000 Freq:49.99Hz Lamp Flux:182.93x1 lm					
NAME: 6881		TYPE:		WEIGHT:	
SPEC.:		DIM.:		SERIAL No.:	
MFR.:		SUR.:		Shielding Angle:	

DATA OF LAMP		PHOTOMETRIC DATA				Eff: 59.65 lm/W
MODEL		I _{max} (cd)	796.4	S/MH(C0/180)	0.59	
NOMINAL POWER(W)	3	LOR(%)	100.0	S/MH(C90/270)	0.42	
RATED VOLTAGE(V)	DC48	TOTAL FLUX(lm)	182.93	η UP,DN(C0-180)	0.0,44.4	
NOMINAL FLUX(lm)	182.93	CIE CLASS	DIRECT	η UP,DN(C180-360)	0.0,55.6	
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:

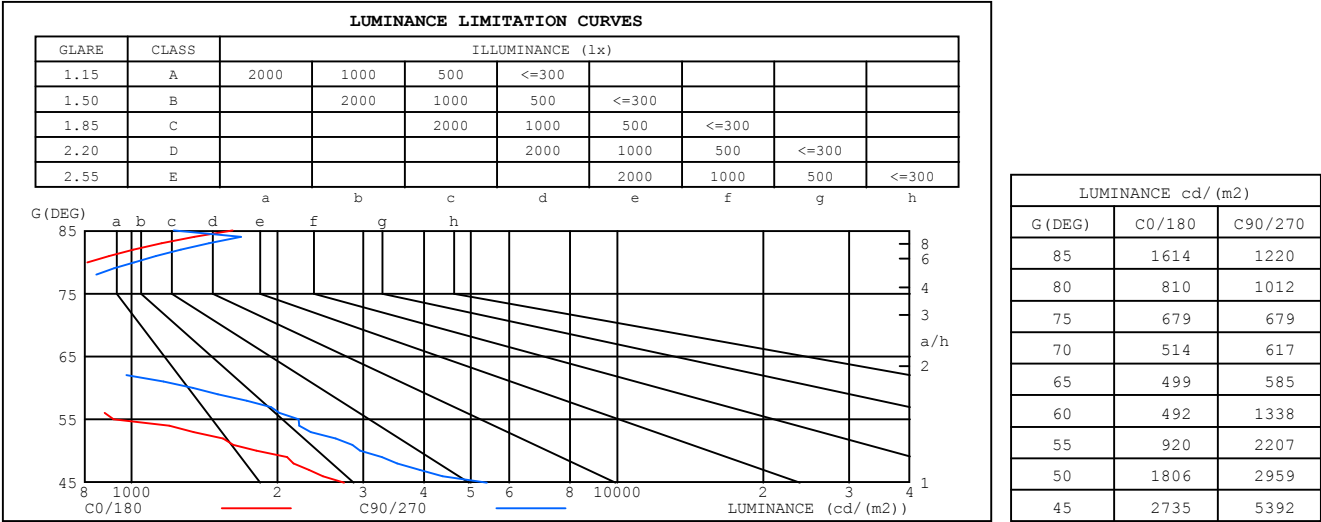
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum, lamp
10	307.1	375.9	517.5	690.0	731.3	629.6	469.5	334.3	0- 10	58.63	58.63	32.1,32.1
20	40.55	61.51	132.8	270.0	330.8	237.4	122.6	50.79	10- 20	85.39	144.0	78.7,78.7
30	6.899	9.867	16.14	35.23	54.59	29.29	11.75	7.000	20- 30	31.75	175.8	96.1,96.1
40	1.051	1.568	3.678	5.744	6.079	4.132	2.502	1.519	30- 40	5.439	181.2	99.1,99.1
50	0.3614	0.3188	0.5998	0.9124	1.300	0.8601	0.5202	0.4352	40- 50	1.242	182.5	99.7,99.7
60	0.0766	0.0110	0.2110	0.2448	0.2734	0.3081	0.0886	0.1115	50- 60	0.3079	182.8	99.9,99.9
70	0.0547	0.0110	0.0665	0.0334	0.0219	0.0990	0.0333	0.0557	60- 70	0.0874	182.9	100,100
80	0.0438	0.0110	0.0555	0.0334	0.0219	0.0550	0.0333	0.0446	70- 80	0.0428	182.9	100,100
90	0.0438	0	0.0333	0.0334	0	0.0440	0.0333	0.0334	80- 90	0.0349	182.9	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:0.0639A P:3.0670W PF:1.0000 Freq:49.99Hz Lamp Flux:182.93x1 lm		
NAME: 6881	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:



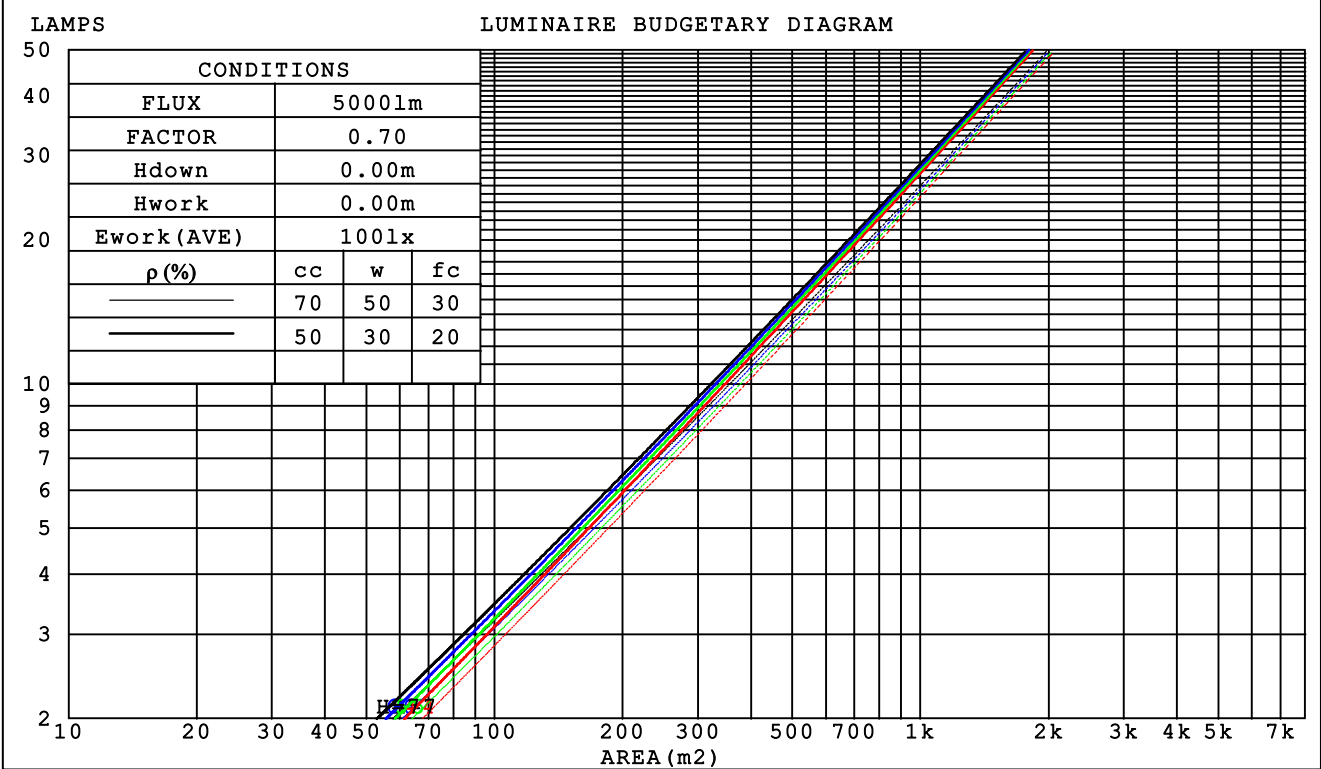
C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:彭金英
Test Date:2025-7-15

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:0.0639A P:3.0670W PF:1.0000 Freq:49.99Hz Lamp Flux:182.93x1 lm		
NAME: 6881	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															



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:0.0639A P:3.0670W PF:1.0000 Freq:49.99Hz Lamp Flux:182.93x1 lm						
NAME: 6881			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	.138	.079	.025	.131	.075	.024	.119	.068	.022	.108	.062	.020	.097	.056	.018	
2.0	.128	.070	.022	.123	.068	.021	.112	.062	.019	.103	.058	.018	.094	.053	.017	
3.0	.119	.064	.019	.115	.062	.019	.106	.058	.018	.099	.054	.017	.091	.051	.016	
4.0	.112	.058	.017	.108	.057	.017	.101	.054	.016	.094	.051	.015	.088	.048	.015	
5.0	.106	.054	.016	.103	.053	.015	.096	.050	.015	.091	.048	.014	.085	.046	.014	
6.0	.100	.050	.014	.098	.049	.014	.092	.047	.014	.087	.045	.013	.083	.044	.013	
7.0	.095	.047	.013	.093	.046	.013	.088	.045	.013	.084	.043	.013	.080	.042	.012	
8.0	.091	.045	.013	.089	.044	.012	.085	.042	.012	.081	.041	.012	.078	.040	.012	
9.0	.087	.042	.012	.085	.042	.012	.082	.040	.011	.078	.039	.011	.075	.038	.011	
10.0	.084	.040	.011	.082	.040	.011	.079	.039	.011	.076	.038	.011	.073	.037	.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	.168	.158	.148	.144	.135	.127	.099	.093	.088	.057	.054	.051	.018	.017	.017	
2.0	.150	.133	.118	.129	.114	.102	.088	.079	.071	.051	.046	.042	.016	.015	.014	
3.0	.135	.113	.096	.116	.098	.083	.080	.068	.058	.046	.040	.034	.015	.013	.011	
4.0	.123	.098	.079	.106	.085	.068	.073	.059	.048	.042	.035	.028	.014	.011	.009	
5.0	.113	.086	.066	.097	.074	.057	.067	.052	.040	.039	.030	.024	.012	.010	.008	
6.0	.104	.076	.055	.089	.066	.048	.062	.046	.034	.036	.027	.020	.012	.009	.007	
7.0	.096	.068	.047	.083	.059	.041	.057	.041	.029	.033	.024	.017	.011	.008	.006	
8.0	.090	.061	.041	.077	.053	.036	.054	.037	.025	.031	.022	.015	.010	.007	.005	
9.0	.084	.055	.035	.073	.048	.031	.050	.034	.022	.029	.020	.013	.010	.007	.004	
10.0	.080	.050	.031	.069	.044	.027	.048	.031	.019	.028	.018	.012	.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:0.0639A P:3.0670W PF:1.0000 Freq:49.99Hz Lamp Flux:182.93x1 lm										
NAME: 6881					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	9.1	9.8	9.3	10.0	10.1	13.1	13.8	13.3	13.9	14.1
3H	9.0	9.7	9.3	9.8	10.0	13.0	13.6	13.2	13.8	14.0
4H	9.0	9.6	9.3	9.8	10.0	12.9	13.5	13.2	13.7	13.9
6H	9.0	9.6	9.3	9.8	10.0	12.9	13.4	13.1	13.7	13.9
8H	9.0	9.6	9.3	9.8	10.1	12.9	13.4	13.2	13.6	13.9
12H	9.1	9.6	9.4	9.9	10.1	12.9	13.4	13.2	13.6	13.9
4H 2H	8.9	9.5	9.2	9.7	9.9	12.9	13.5	13.1	13.7	13.9
3H	8.8	9.3	9.1	9.6	9.8	12.7	13.2	13.0	13.5	13.8
4H	8.8	9.3	9.1	9.5	9.8	12.7	13.1	13.0	13.4	13.7
6H	8.8	9.2	9.2	9.5	9.9	12.6	13.0	13.0	13.4	13.7
8H	8.8	9.2	9.2	9.6	9.9	12.6	13.0	13.0	13.4	13.7
12H	9.0	9.3	9.4	9.7	10.1	12.6	13.0	13.0	13.4	13.7
8H 4H	8.6	9.0	9.0	9.4	9.7	12.5	12.9	12.9	13.2	13.6
6H	8.7	9.0	9.1	9.4	9.8	12.5	12.8	12.9	13.2	13.6
8H	8.7	9.0	9.2	9.4	9.9	12.5	12.8	12.9	13.2	13.6
12H	9.0	9.2	9.4	9.6	10.1	12.5	12.8	13.0	13.2	13.7
12H 4H	8.6	8.9	9.0	9.3	9.7	12.5	12.8	12.9	13.2	13.6
6H	8.6	8.9	9.0	9.3	9.7	12.4	12.7	12.8	13.1	13.5
8H	8.7	8.9	9.2	9.4	9.9	12.4	12.7	12.9	13.1	13.6
Variations with the observer position at spacings:										
S = 1.0H	+ 3.0 / - 5.5					+ 4.4 / - 7.6				
1.5H	+ 4.9 / - 5.0					+ 6.7 / - 7.4				
2.0H	+ 3.7 / - 3.1					+ 5.5 / - 4.5				

CIE Pub.117, 182.9 lm Total Lamp Luminous Flux Correct (8log(F/F0) = -5.9)

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:0.0639A P:3.0670W PF:1.0000 Freq:49.99Hz Lamp Flux:182.93x1 lm		
NAME: 6881	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

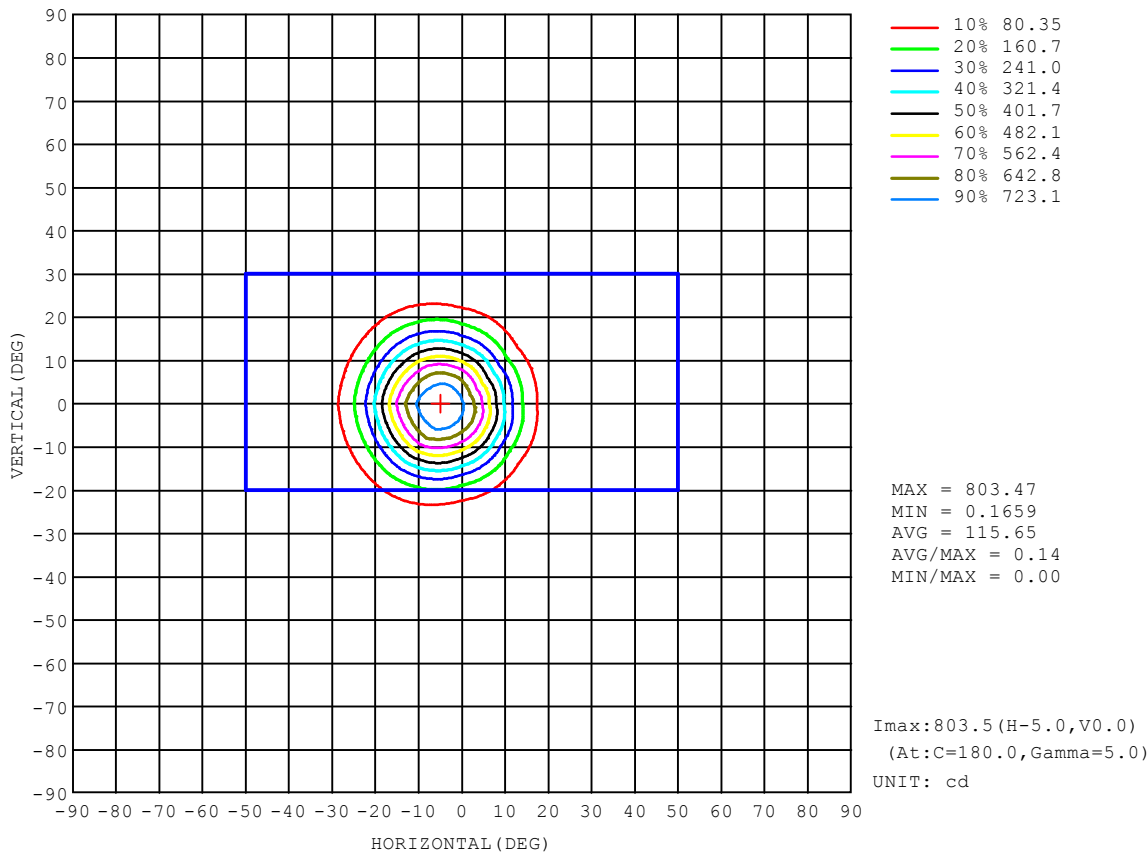
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS (PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	91	85	82	91	85	82	90	85	82	78
0.80	98	93	89	97	92	89	96	92	89	86
1.00	102	97	93	101	96	93	99	96	93	89
1.25	105	101	98	104	100	97	102	99	96	92
1.50	108	103	100	106	103	100	104	101	99	95
2.00	110	106	103	108	105	102	106	103	101	96
2.50	111	108	105	110	107	104	107	104	102	97
3.00	113	110	107	111	108	106	108	106	104	98
4.00	115	112	110	113	110	109	109	107	106	99
5.00	116	114	112	114	112	110	110	108	107	100
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:0.0639A P:3.0670W PF:1.0000 Freq:49.99Hz Lamp Flux:182.93x1 lm		
NAME: 6881	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

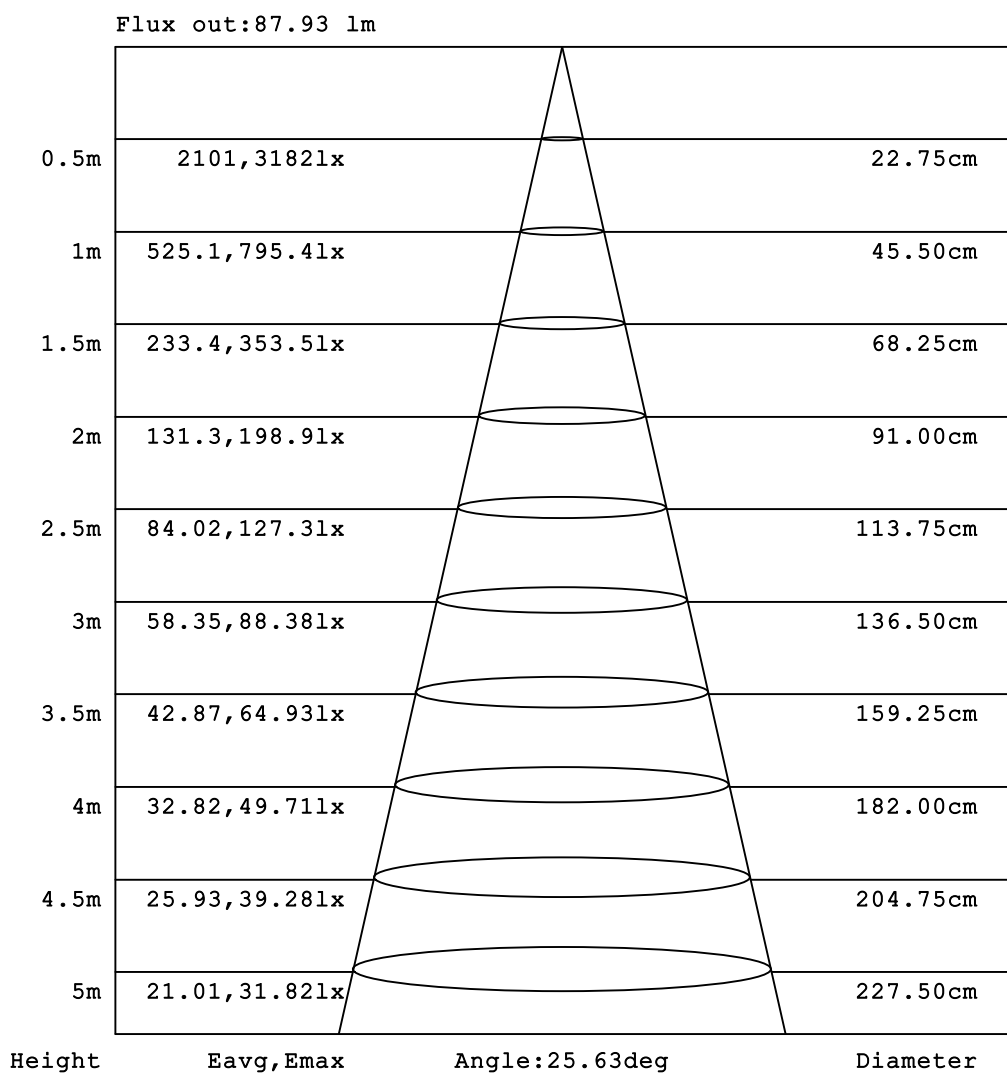


C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:彭金英
Test Date:2025-7-15

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:0.0639A P:3.0670W PF:1.0000 Freq:49.99Hz Lamp Flux:182.93x1 lm		
NAME: 6881	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:



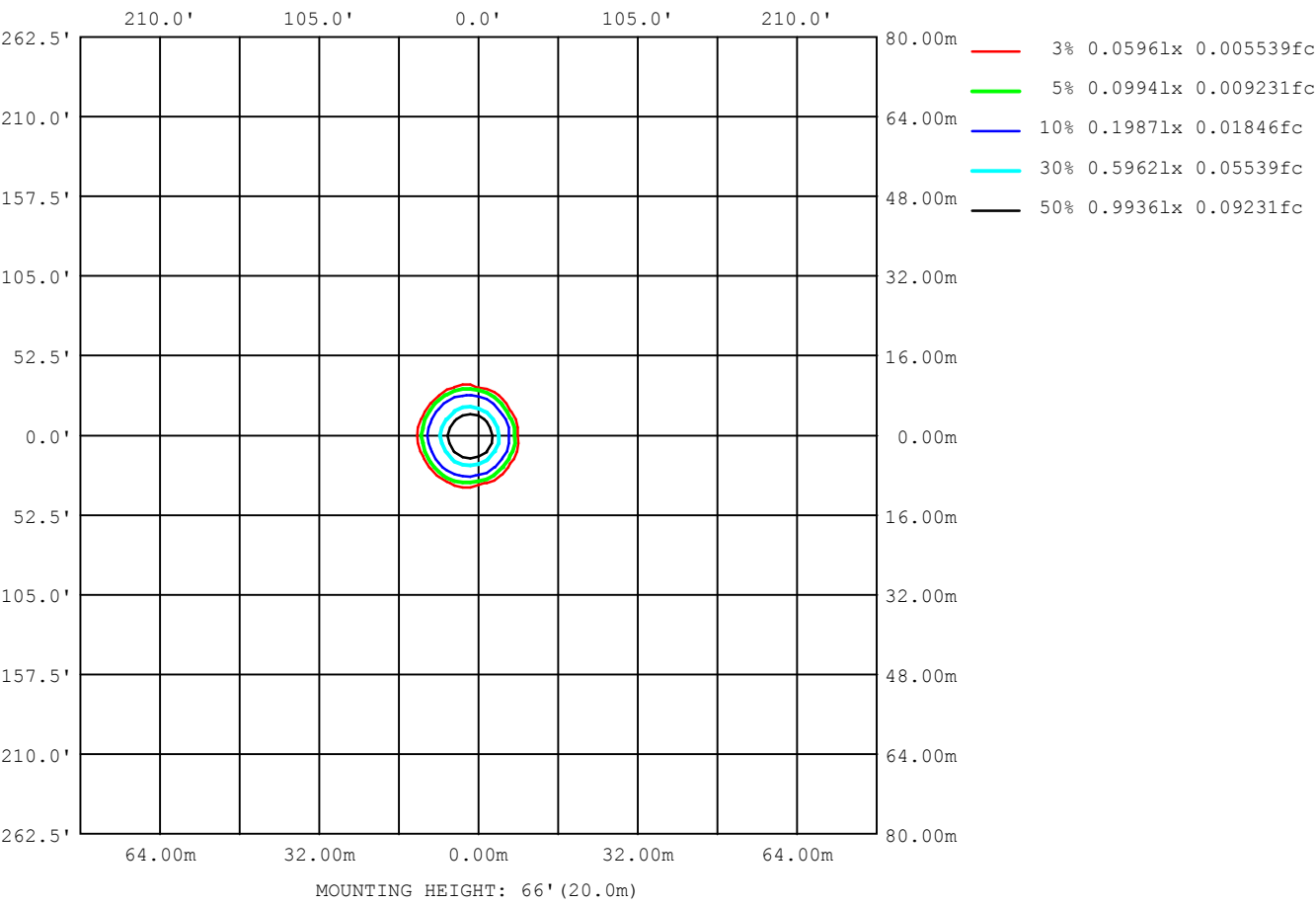
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

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:0.0639A P:3.0670W PF:1.0000 Freq:49.99Hz Lamp Flux:182.93x1 lm		
NAME: 6881	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:0.0639A P:3.0670W PF:1.0000 Freq:49.99Hz Lamp Flux:182.93x1 lm		
NAME: 6881	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

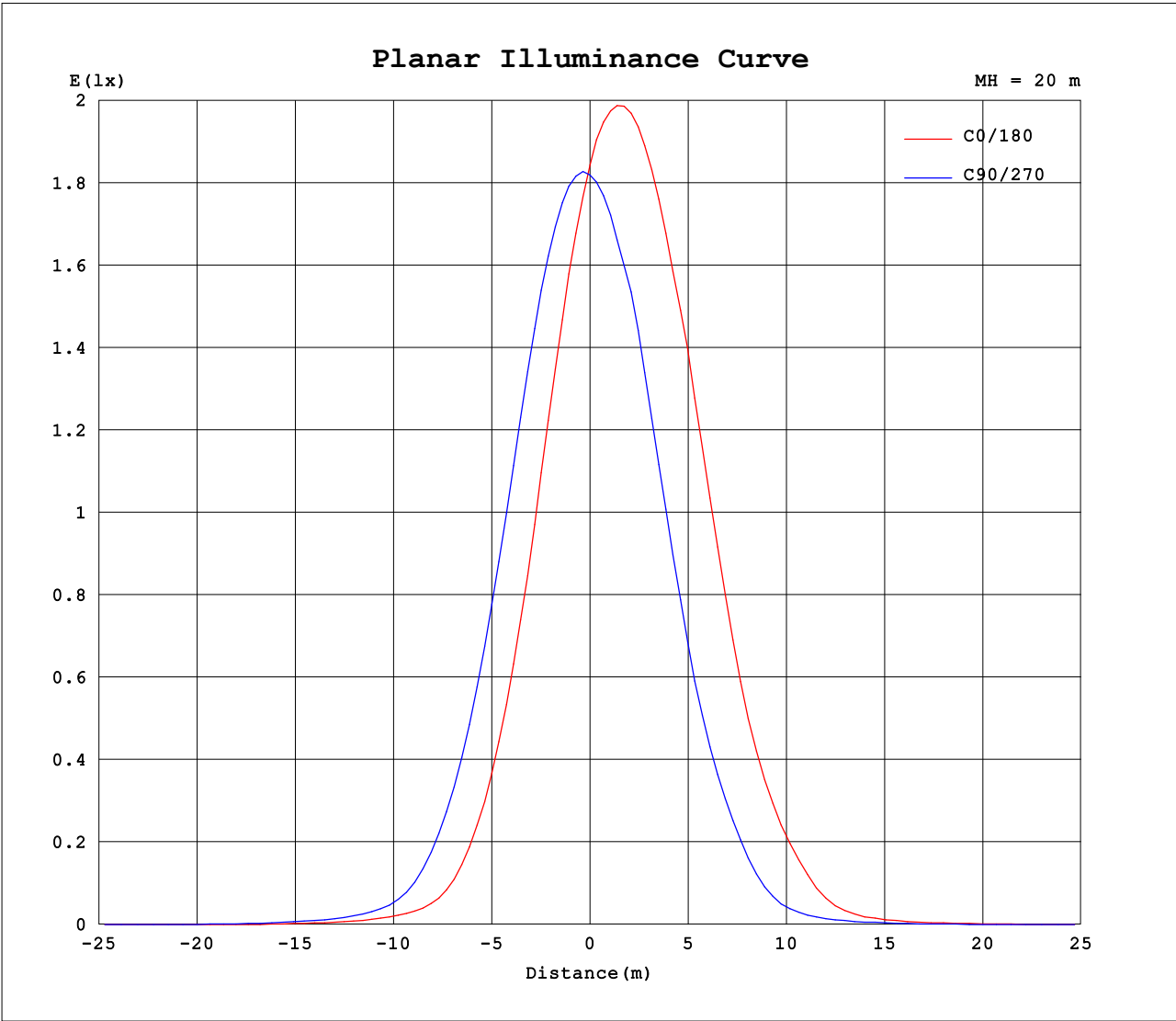
AvgL	cd/m2
L_0~180 (65) av	659
L_0~180 (75) av	471
L_0~180 (85) av	1200
L_90~270 (65) av	419
L_90~270 (75) av	546
L_90~270 (85) av	1220
L_45 (65) av	666
L_45 (75) av	477
L_45 (85) av	1315

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:0.0639A P:3.0670W PF:1.0000 Freq:49.99Hz Lamp Flux:182.93x1 lm		
NAME: 6881	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

UNIT: cd

[illegible]

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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:

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