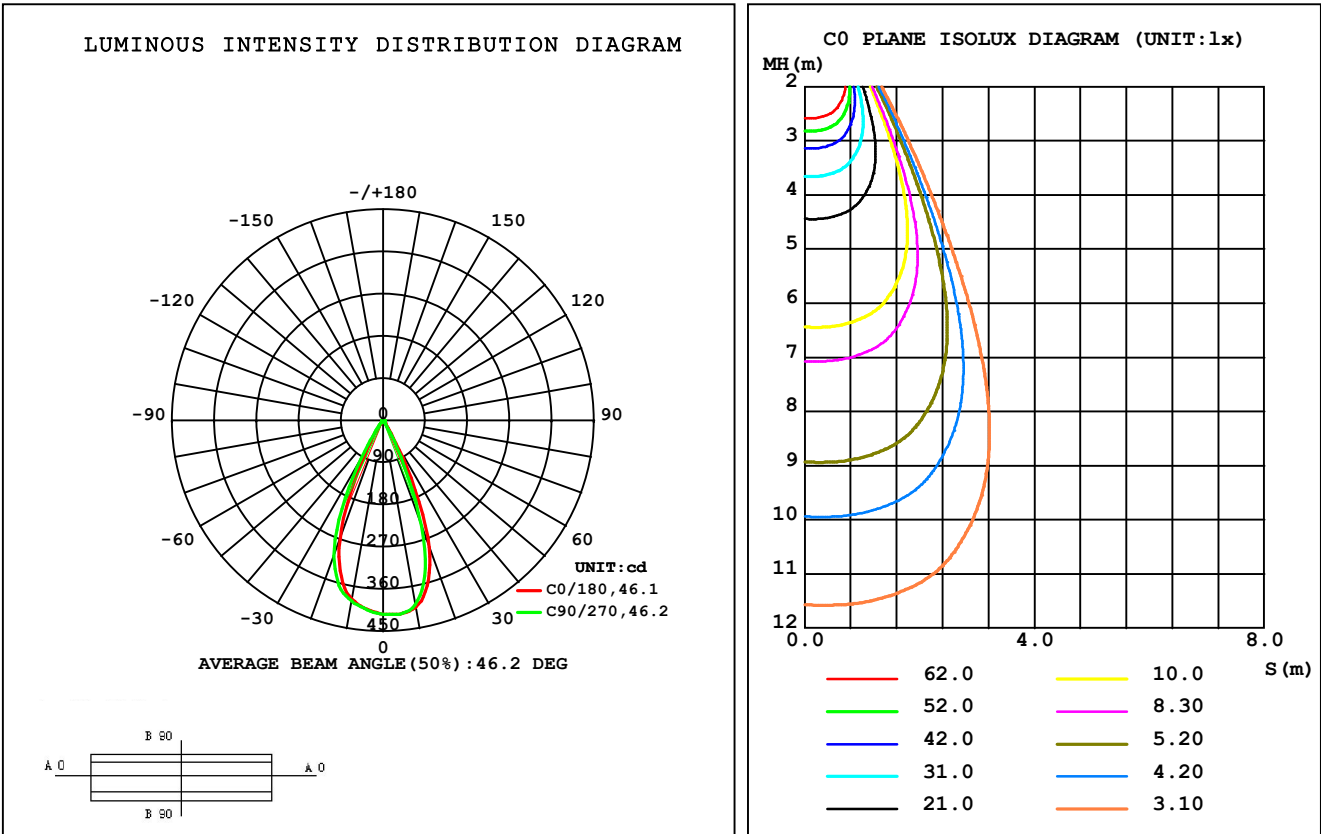


LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:47.997V I:0.1249A P:5.9948W PF:1.0000 Freq:49.99Hz Lamp Flux:234.43x1 lm					
NAME: 6862		TYPE:		WEIGHT:	
SPEC.:		DIM.:		SERIAL No.:	
MFR.:		SUR.:		Shielding Angle:	

DATA OF LAMP		PHOTOMETRIC DATA				Eff: 39.11 lm/W
MODEL		I _{max} (cd)	417.3	S/MH (C0/180)	0.67	
NOMINAL POWER (W)	6	LOR (%)	100.0	S/MH (C90/270)	0.74	
RATED VOLTAGE (V)	DC48	TOTAL FLUX (lm)	234.43	η UP, DN (C0-180)	0.0, 46.1	
NOMINAL FLUX (lm)	234.43	CIE CLASS	DIRECT	η UP, DN (C180-360)	0.0, 53.9	
LAMPS INSIDE	1	η up (%)	0.0	CIBSE SHR NOM	0.50	
TEST VOLTAGE (V)	48	η down (%)	100.0	CIBSE SHR MAX	0.70	



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:

ZONAL FLUX DIAGRAM

ZONAL FLUX DIAGRAM:

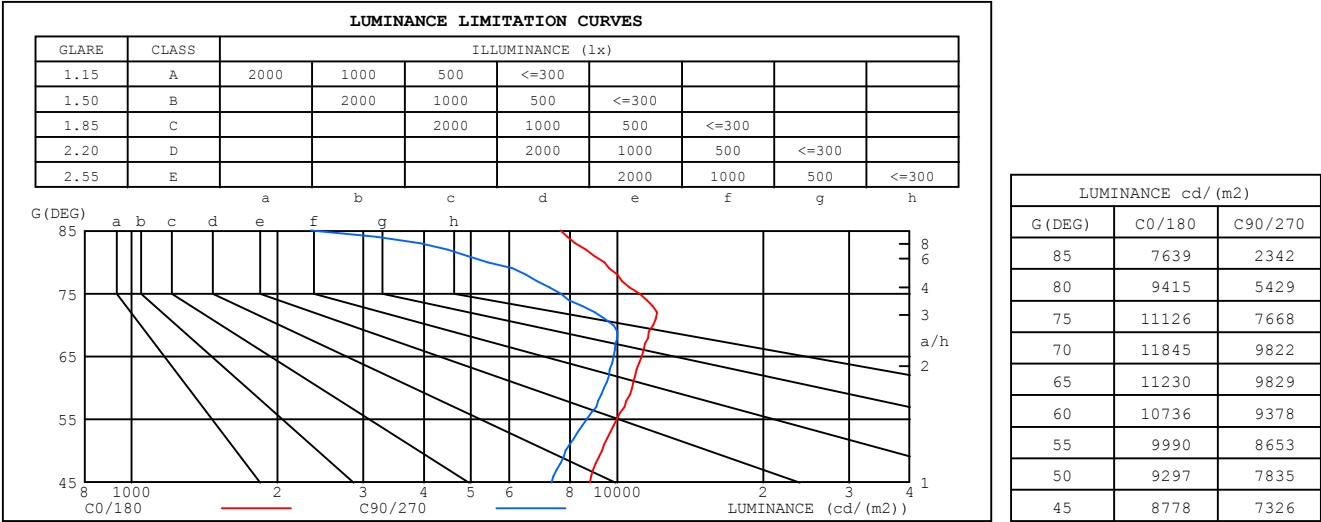
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum, lamp
10	404.4	404.6	399.0	393.6	386.9	385.6	391.1	397.5	0- 10	38.70	38.70	16.5,16.5
20	288.1	258.3	240.0	250.7	270.8	292.8	308.1	303.0	10- 20	97.00	135.7	57.9,57.9
30	56.93	36.55	30.41	38.06	54.18	79.18	96.24	81.03	20- 30	71.33	207.0	88.3,88.3
40	6.339	4.545	4.427	4.863	6.374	8.970	11.21	8.620	30- 40	13.90	220.9	94.2,94.2
50	4.544	3.797	3.848	3.935	4.324	4.427	4.267	4.235	40- 50	3.721	224.7	95.8,95.8
60	4.082	3.521	3.583	3.647	3.982	4.107	3.936	3.947	50- 60	3.613	228.3	97.4,97.4
70	3.081	2.516	2.567	2.692	3.079	3.346	3.282	3.227	60- 70	3.437	231.7	98.8,98.8
80	1.243	0.7494	0.7204	0.7969	1.153	1.547	1.535	1.498	70- 80	2.193	233.9	99.8,99.8
90	0.0550	0.0442	0.0553	0.0443	0.0550	0.0773	0.0663	0.0776	80- 90	0.5272	234.4	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:0.1249A P:5.9948W PF:1.0000 Freq:49.99Hz Lamp Flux:234.43x1 lm		
NAME: 6862	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:



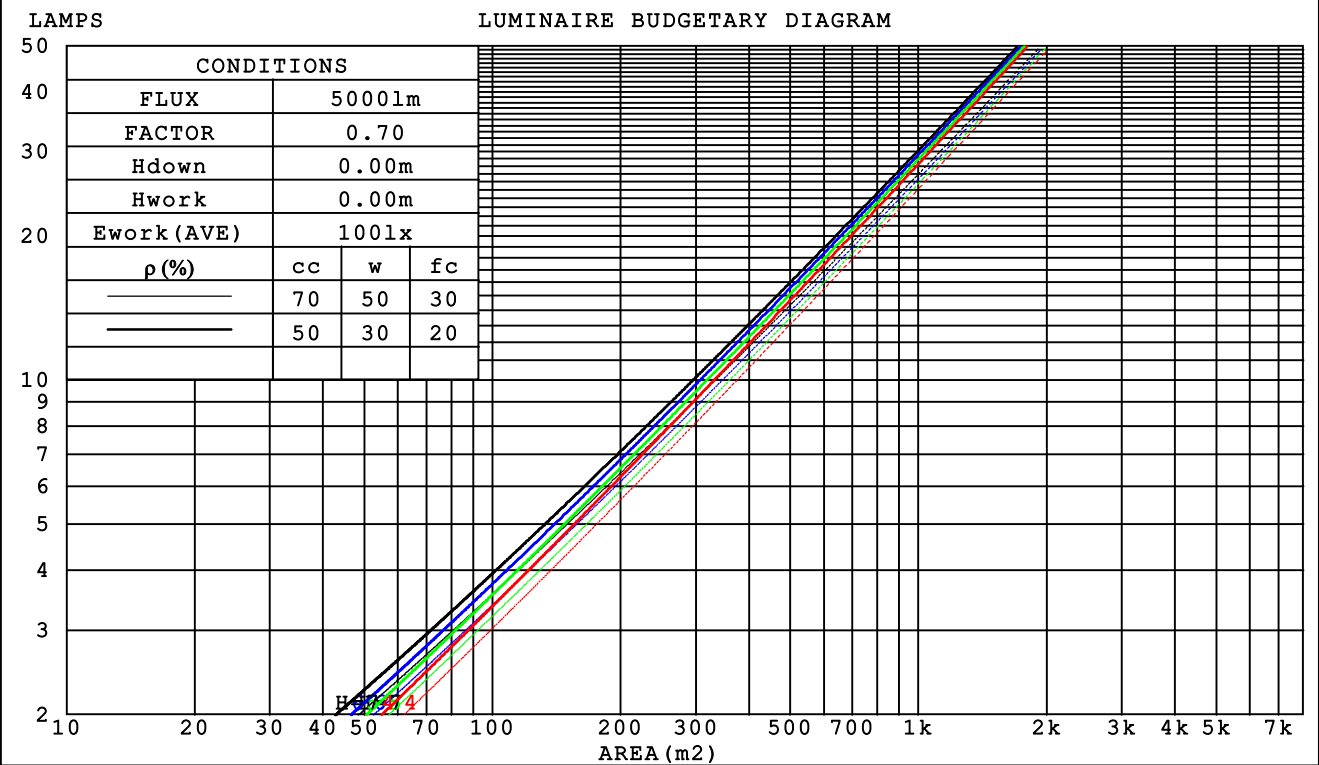
C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:彭金英
Test Date:2025-7-15

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:0.1249A P:5.9948W PF:1.0000 Freq:49.99Hz Lamp Flux:234.43x1 lm		
NAME: 6862	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	1.00														
1.0	1.11	1.09	1.07	1.09	1.07	1.05	1.05	1.03	1.02	1.01	1.00	.99	.98	.97	.96	.94														
2.0	1.04	1.01	.98	1.03	.99	.96	.99	.97	.94	.97	.94	.92	.94	.92	.90	.89														
3.0	.98	.94	.90	.97	.93	.90	.94	.91	.88	.92	.89	.87	.90	.87	.85	.84														
4.0	.93	.88	.84	.92	.87	.84	.90	.86	.83	.88	.85	.82	.86	.83	.81	.80														
5.0	.88	.83	.79	.87	.83	.79	.86	.82	.78	.84	.81	.78	.83	.80	.77	.76														
6.0	.84	.79	.75	.83	.78	.75	.82	.78	.74	.81	.77	.74	.79	.76	.73	.72														
7.0	.80	.75	.71	.80	.75	.71	.78	.74	.71	.77	.73	.70	.76	.73	.70	.69														
8.0	.77	.71	.68	.76	.71	.68	.75	.71	.67	.74	.70	.67	.73	.70	.67	.66														
9.0	.73	.68	.65	.73	.68	.65	.72	.68	.64	.71	.67	.64	.70	.67	.64	.63														
10.0	.70	.65	.62	.70	.65	.62	.69	.65	.62	.68	.64	.62	.68	.64	.61	.60														



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:0.1249A P:5.9948W PF:1.0000 Freq:49.99Hz Lamp Flux:234.43x1 lm						
NAME: 6862			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	.169	.096	.030	.162	.092	.029	.149	.086	.027	.138	.080	.026	.127	.074	.024		
2.0	.158	.087	.027	.152	.084	.026	.142	.079	.025	.132	.074	.023	.123	.070	.022		
3.0	.148	.079	.024	.143	.077	.023	.134	.073	.022	.126	.069	.021	.119	.066	.020		
4.0	.139	.072	.021	.135	.071	.021	.128	.068	.020	.121	.065	.020	.114	.062	.019		
5.0	.132	.067	.019	.128	.066	.019	.122	.063	.019	.115	.061	.018	.110	.059	.018		
6.0	.125	.063	.018	.122	.061	.018	.116	.059	.017	.111	.057	.017	.106	.056	.017		
7.0	.119	.059	.017	.116	.058	.016	.111	.056	.016	.106	.054	.016	.102	.053	.016		
8.0	.113	.055	.016	.111	.055	.015	.106	.053	.015	.102	.052	.015	.098	.050	.015		
9.0	.108	.052	.015	.106	.052	.015	.102	.051	.014	.098	.049	.014	.095	.048	.014		
10.0	.104	.050	.014	.102	.049	.014	.098	.048	.014	.095	.047	.013	.092	.046	.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	.190	.190	.190	.163	.163	.163	.111	.111	.111	.064	.064	.064	.020	.020	.020	
1.0	.171	.157	.146	.146	.135	.125	.100	.093	.087	.057	.054	.050	.018	.017	.016	
2.0	.154	.133	.114	.132	.114	.099	.091	.079	.069	.052	.046	.040	.017	.015	.013	
3.0	.141	.113	.092	.121	.098	.079	.083	.068	.056	.048	.040	.033	.015	.013	.011	
4.0	.130	.099	.075	.111	.085	.065	.077	.059	.046	.044	.035	.027	.014	.011	.009	
5.0	.120	.087	.062	.103	.075	.054	.071	.052	.038	.041	.031	.023	.013	.010	.007	
6.0	.112	.077	.052	.096	.067	.045	.066	.047	.032	.039	.027	.019	.012	.009	.006	
7.0	.105	.069	.044	.090	.060	.038	.062	.042	.027	.036	.025	.016	.012	.008	.005	
8.0	.099	.063	.038	.085	.055	.033	.059	.038	.023	.034	.023	.014	.011	.007	.005	
9.0	.094	.057	.033	.081	.050	.029	.056	.035	.020	.033	.021	.012	.011	.007	.004	
10.0	.089	.053	.029	.077	.046	.025	.053	.032	.018	.031	.019	.011	.010	.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:0.1249A P:5.9948W PF:1.0000 Freq:49.99Hz Lamp Flux:234.43x1 lm										
NAME: 6862					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	18.8	19.6	19.0	19.8	20.0	17.7	18.5	17.9	18.6	18.8
3H	20.7	21.5	21.0	21.7	21.9	19.7	20.5	19.9	20.6	20.8
4H	21.5	22.3	21.8	22.5	22.7	20.3	21.0	20.6	21.2	21.5
6H	22.0	22.7	22.3	23.0	23.2	20.6	21.3	20.9	21.5	21.8
8H	22.2	22.8	22.5	23.1	23.3	20.6	21.3	20.9	21.5	21.8
12H	22.2	22.9	22.6	23.2	23.4	20.6	21.3	20.9	21.5	21.8
4H 2H	19.4	20.1	19.7	20.3	20.6	18.5	19.2	18.8	19.4	19.7
3H	21.5	22.1	21.8	22.4	22.7	20.6	21.3	21.0	21.5	21.8
4H	22.4	23.0	22.7	23.3	23.6	21.3	21.9	21.7	22.2	22.5
6H	23.0	23.5	23.3	23.8	24.1	21.7	22.2	22.0	22.5	22.9
8H	23.1	23.6	23.5	24.0	24.3	21.7	22.2	22.1	22.6	22.9
12H	23.2	23.7	23.6	24.0	24.4	21.7	22.2	22.1	22.5	22.9
8H 4H	22.5	23.0	22.9	23.4	23.7	21.6	22.1	22.0	22.4	22.8
6H	23.2	23.6	23.6	24.0	24.4	22.0	22.4	22.4	22.8	23.2
8H	23.4	23.8	23.9	24.2	24.6	22.1	22.4	22.5	22.9	23.3
12H	23.6	23.9	24.0	24.3	24.8	22.1	22.4	22.6	22.8	23.3
12H 4H	22.5	23.0	22.9	23.3	23.7	21.6	22.0	22.0	22.4	22.8
6H	23.2	23.5	23.6	23.9	24.4	22.0	22.4	22.5	22.8	23.2
8H	23.4	23.7	23.9	24.2	24.6	22.1	22.4	22.6	22.9	23.3
Variations with the observer position at spacings:										
S = 1.0H	+ 0.2 / - 0.2					+ 0.1 / - 0.2				
1.5H	+ 0.3 / - 0.2					+ 0.2 / - 0.2				
2.0H	+ 0.2 / - 0.2					+ 0.3 / - 0.5				

CIE Pub.117, 234.4 lm Total Lamp Luminous Flux Correct ($8\log(F/F_0) = -5.0$)

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:0.1249A P:5.9948W PF:1.0000 Freq:49.99Hz Lamp Flux:234.43x1 lm		
NAME: 6862	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

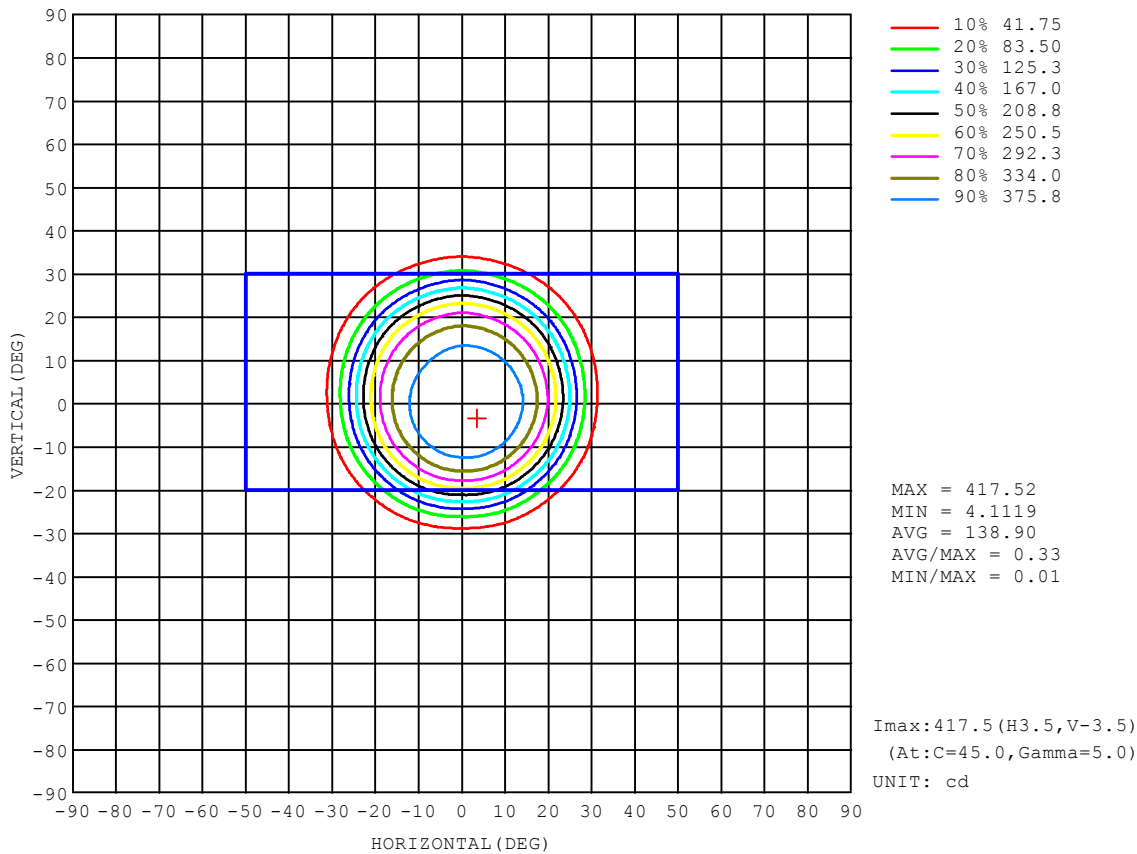
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS (PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	88	82	78	88	82	78	87	81	78	74
0.80	95	89	86	95	89	86	93	89	85	82
1.00	99	94	90	98	93	90	97	93	89	85
1.25	103	98	94	102	97	94	100	96	93	89
1.50	106	101	98	105	100	97	102	99	96	92
2.00	108	104	101	107	103	100	104	101	99	93
2.50	110	106	103	108	105	102	105	103	100	94
3.00	112	108	105	110	107	104	106	104	102	96
4.00	114	111	109	112	109	107	108	106	105	98
5.00	115	113	111	113	111	109	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:0.1249A P:5.9948W PF:1.0000 Freq:49.99Hz Lamp Flux:234.43x1 lm		
NAME: 6862	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

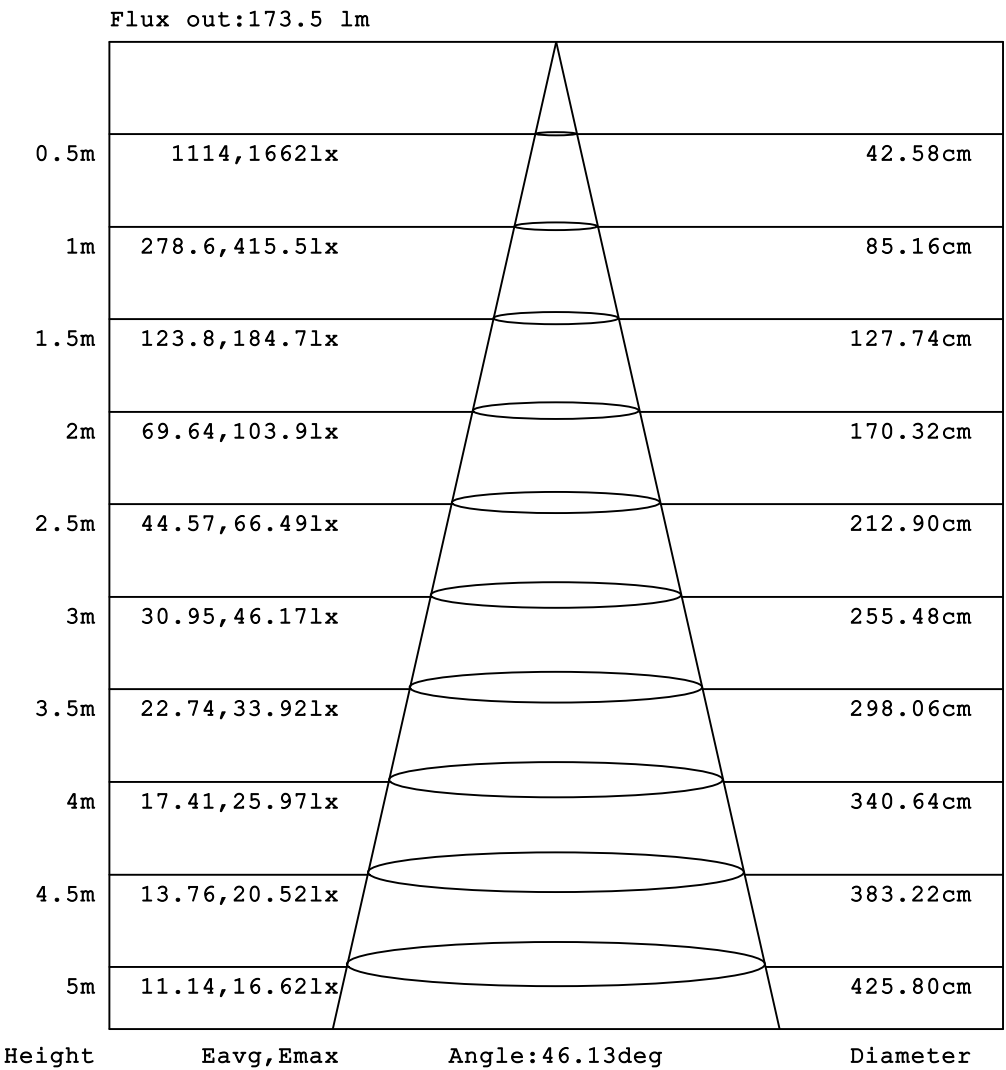


C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: 彭金英
Test Date: 2025-7-15

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:0.1249A P:5.9948W PF:1.0000 Freq:49.99Hz Lamp Flux:234.43x1 lm		
NAME: 6862	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:



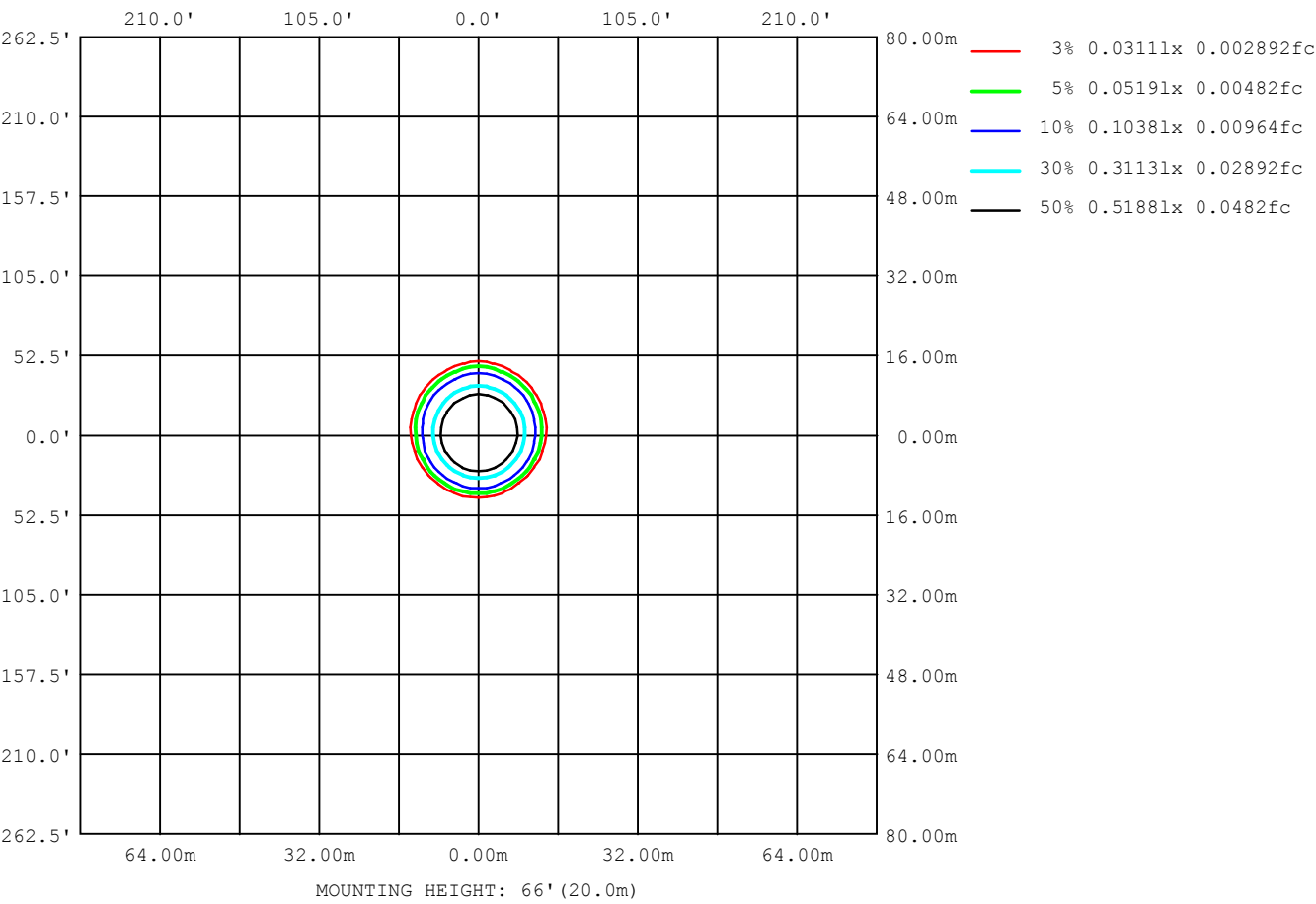
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

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:0.1249A P:5.9948W PF:1.0000 Freq:49.99Hz Lamp Flux:234.43x1 lm		
NAME: 6862	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:0.1249A P:5.9948W PF:1.0000 Freq:49.99Hz Lamp Flux:234.43x1 lm		
NAME: 6862	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

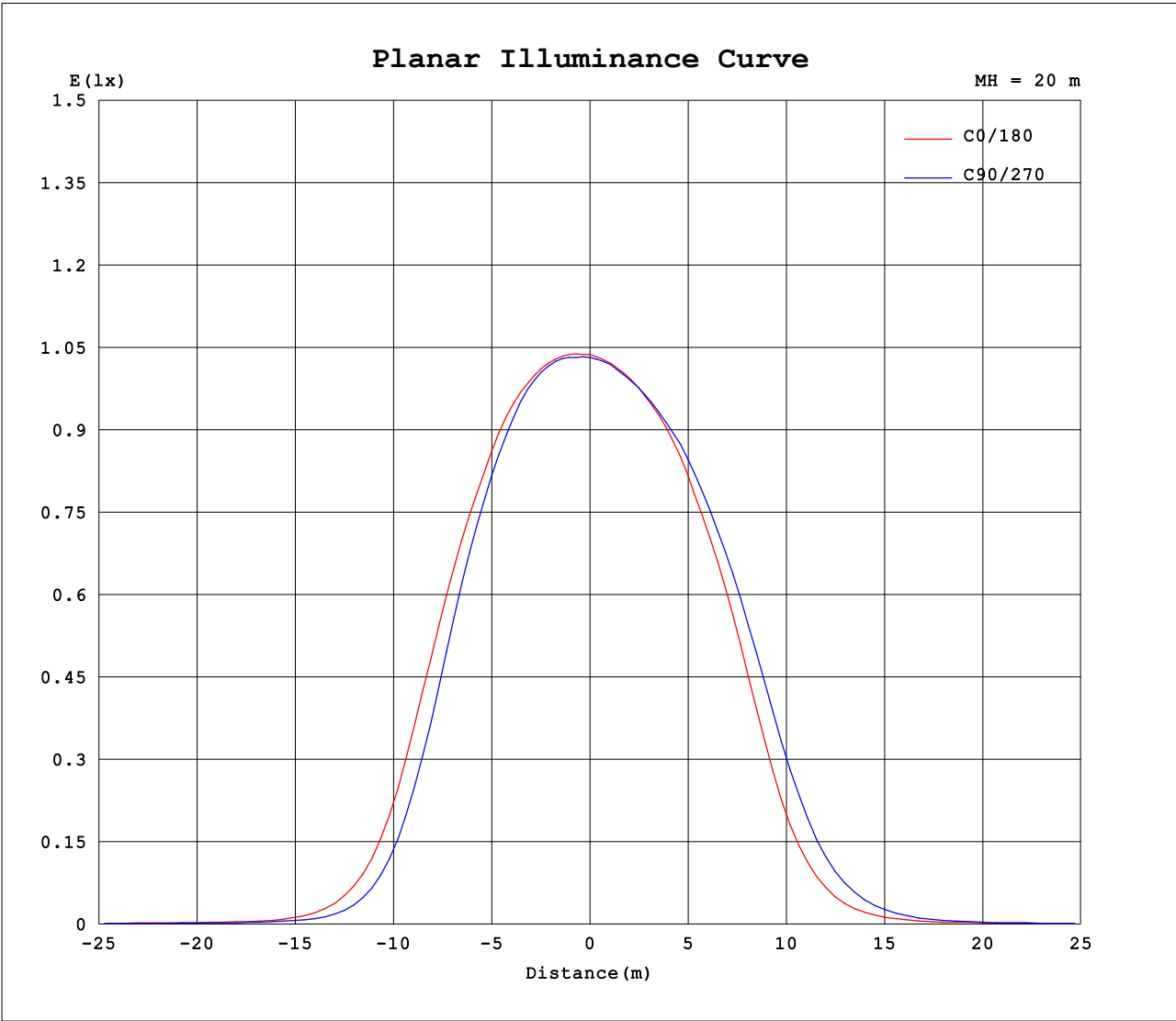
AvgL	cd/m2
L_0~180 (65) av	11202
L_0~180 (75) av	10854
L_0~180 (85) av	6609
L_90~270 (65) av	10624
L_90~270 (75) av	10518
L_90~270 (85) av	5976
L_45 (65) av	10732
L_45 (75) av	10443
L_45 (85) av	6362

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:

