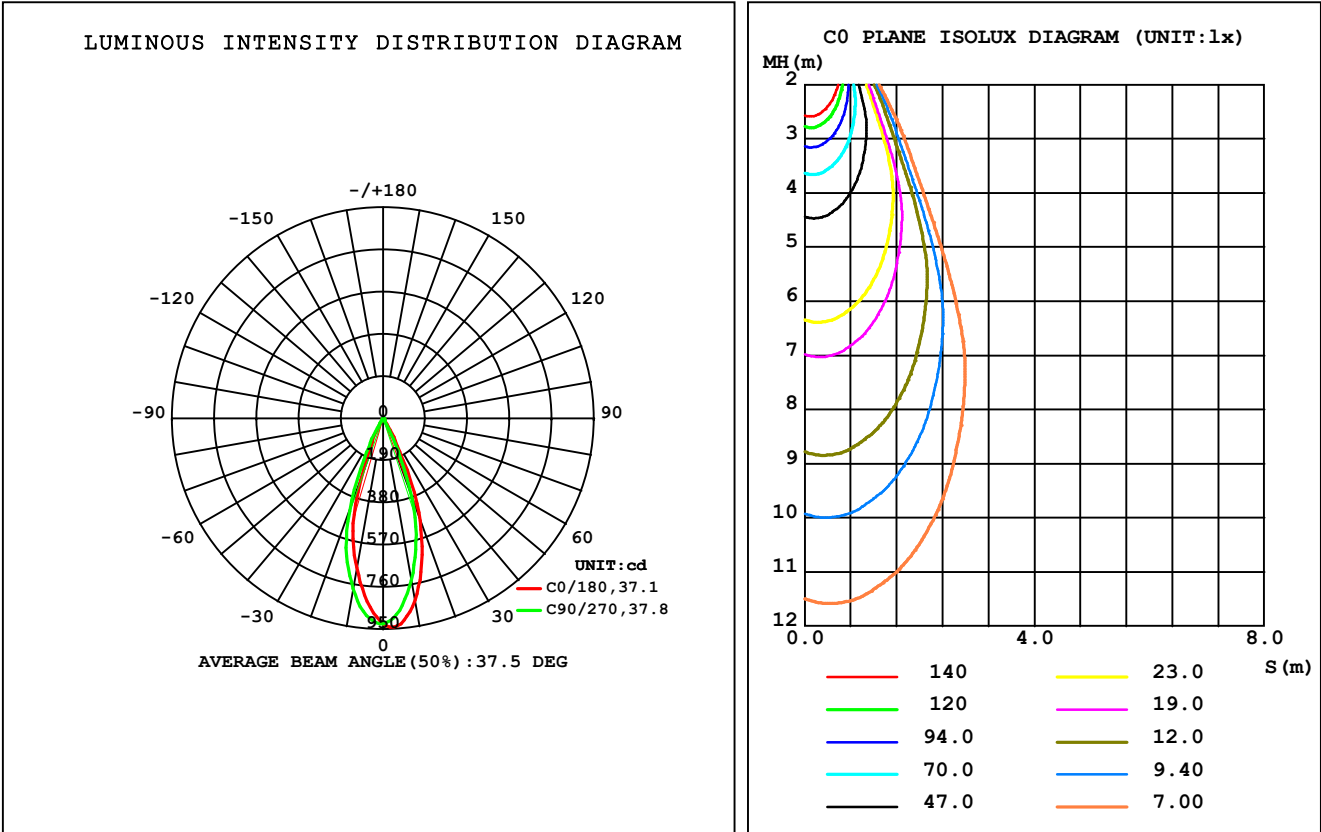


LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:220.21V I:0.0801A P:10.396W PF:0.5896 Freq:49.99Hz Lamp Flux:1000x1 lm		
NAME: SLV220I	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: SAT	SUR.:	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA				Eff: 33.88 lm/W
MODEL	ADS2835+Osram	I _{max} (cd)	940.7	S/MH(C0/180)	0.53	
NOMINAL POWER(W)	10	LOR(%)	35.2	S/MH(C90/270)	0.60	
RATED VOLTAGE(V)	220-240	TOTAL FLUX(lm)	352.28	η UP,DN(C0-180)	0.0,17.8	
NOMINAL FLUX(lm)	1000	CIE CLASS	DIRECT	η UP,DN(C180-360)	0.0,17.4	
LAMPS INSIDE	1	η up(%)	0.0	CIBSE SHR NOM	0.50	
TEST VOLTAGE(V)	220	η down(%)	35.2	CIBSE SHR MAX	0.60	



C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:彭金英
Test Date:2026-01-07

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:

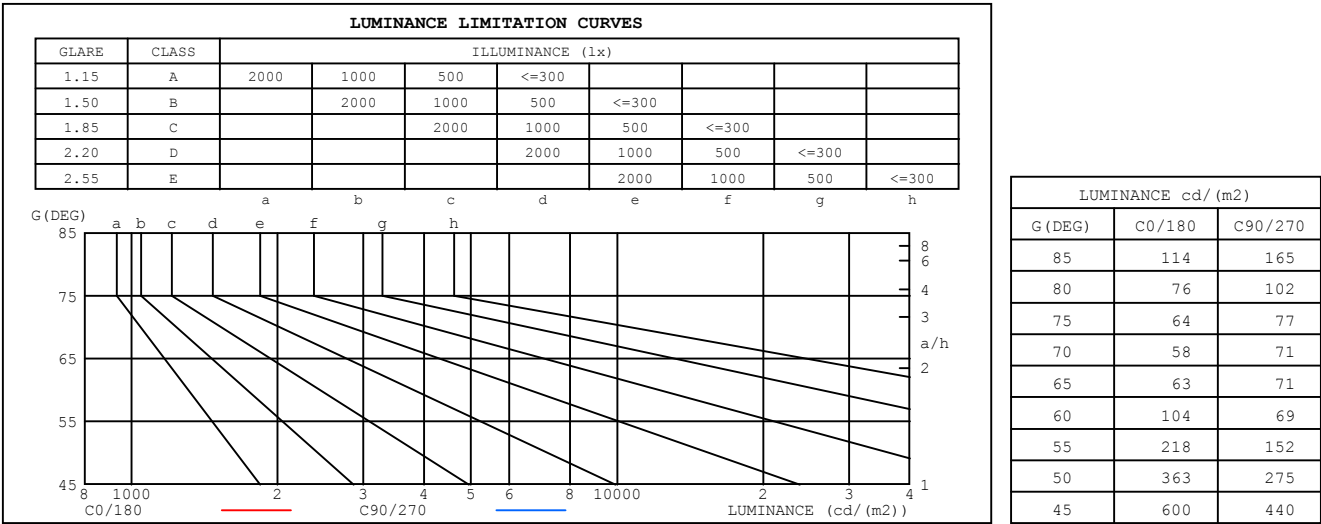
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum, lamp
10	832.8	801.5	739.7	694.0	683.9	721.1	779.7	818.9	0~ 10	79.96	79.96	22.7,8
20	492.6	476.0	380.3	320.2	297.4	348.1	446.0	488.1	10~ 20	164.2	244.2	69.3,24.4
30	98.75	79.01	45.96	34.17	37.34	59.41	90.54	99.36	20~ 30	90.24	334.4	94.9,33.4
40	8.184	6.779	5.512	4.784	4.908	5.912	7.643	8.466	30~ 40	13.77	348.2	98.8,34.8
50	2.330	1.999	1.771	1.422	1.368	1.671	1.964	2.265	40~ 50	2.782	350.9	99.6,35.1
60	0.5189	0.3528	0.3431	0.1984	0.1766	0.2877	0.3082	0.4755	50~ 60	0.8538	351.8	99.9,35.2
70	0.1988	0.1436	0.2432	0.1104	0.0994	0.1878	0.1323	0.2098	60~ 70	0.2115	352.0	99.9,35.2
80	0.1325	0.0884	0.1768	0.1104	0.0994	0.1217	0.0773	0.1435	70~ 80	0.1449	352.2	100,35.2
90	0.0994	0.0884	0.2652	0.3752	0.0994	0.0884	0.0773	0.0883	80~ 90	0.1235	352.3	100,35.2
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:2026-01-07

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:220.21V I:0.0801A P:10.396W PF:0.5896 Freq:49.99Hz Lamp Flux:1000x1 lm		
NAME: SLV220I	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: SAT	SUR.:	Shielding Angle:



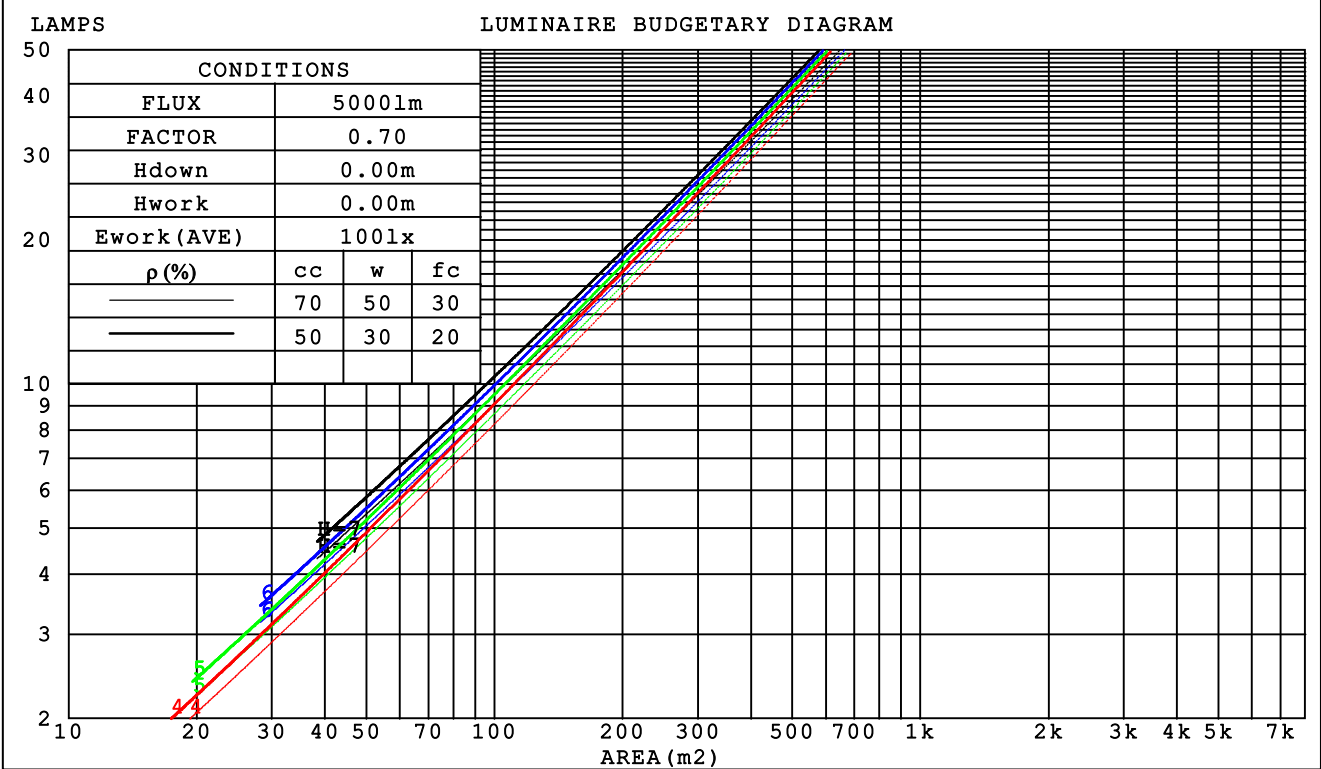
C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:彭金英
Test Date:2026-01-07

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:220.21V I:0.0801A P:10.396W PF:0.5896 Freq:49.99Hz Lamp Flux:1000x1 lm		
NAME: SLV220I	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: SAT	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	.42	.42	.42	.41	.41	.41	.39	.39	.39	.37	.37	.37	.36	.36	.36	.35
1.0	.40	.39	.38	.39	.38	.38	.37	.37	.36	.36	.36	.35	.35	.35	.34	.34
2.0	.38	.36	.35	.37	.36	.35	.36	.35	.34	.35	.34	.34	.34	.33	.33	.32
3.0	.36	.34	.33	.35	.34	.33	.34	.33	.32	.34	.33	.32	.33	.32	.31	.31
4.0	.34	.33	.31	.34	.32	.31	.33	.32	.31	.32	.31	.30	.32	.31	.30	.30
5.0	.33	.31	.30	.32	.31	.30	.32	.30	.29	.31	.30	.29	.31	.30	.29	.29
6.0	.31	.30	.28	.31	.29	.28	.31	.29	.28	.30	.29	.28	.30	.29	.28	.27
7.0	.30	.28	.27	.30	.28	.27	.29	.28	.27	.29	.28	.27	.29	.28	.27	.26
8.0	.29	.27	.26	.29	.27	.26	.28	.27	.26	.28	.27	.26	.28	.27	.26	.25
9.0	.28	.26	.25	.28	.26	.25	.27	.26	.25	.27	.26	.25	.27	.26	.25	.24
10.0	.27	.25	.24	.27	.25	.24	.26	.25	.24	.26	.25	.24	.26	.25	.24	.24



C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:彭金英
Test Date:2026-01-07

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:220.21V I:0.0801A P:10.396W PF:0.5896 Freq:49.99Hz Lamp Flux:1000x1 lm					
NAME: SLV220I			TYPE:		WEIGHT:
SPEC.:			DIM.:		SERIAL No.:
MFR.: SAT			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	.052	.030	.009	.050	.028	.009	.045	.026	.008	.041	.024	.008	.037	.022	.007		
2.0	.048	.027	.008	.047	.026	.008	.043	.024	.007	.040	.022	.007	.036	.021	.007		
3.0	.046	.024	.007	.044	.024	.007	.041	.022	.007	.038	.021	.006	.035	.020	.006		
4.0	.043	.022	.007	.042	.022	.006	.039	.021	.006	.037	.020	.006	.034	.019	.006		
5.0	.041	.021	.006	.040	.020	.006	.037	.019	.006	.035	.019	.006	.033	.018	.005		
6.0	.039	.019	.006	.038	.019	.005	.036	.018	.005	.034	.018	.005	.032	.017	.005		
7.0	.037	.018	.005	.036	.018	.005	.034	.017	.005	.033	.017	.005	.031	.016	.005		
8.0	.035	.017	.005	.035	.017	.005	.033	.017	.005	.032	.016	.005	.030	.016	.005		
9.0	.034	.016	.005	.033	.016	.005	.032	.016	.004	.031	.015	.004	.029	.015	.004		
10.0	.033	.016	.004	.032	.015	.004	.031	.015	.004	.030	.015	.004	.029	.014	.004		

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	.067	.067	.067	.057	.057	.057	.039	.039	.039	.022	.022	.022	.007	.007	.007	
1.0	.060	.056	.052	.051	.048	.045	.035	.033	.031	.020	.019	.018	.006	.006	.006	
2.0	.053	.047	.041	.046	.040	.036	.031	.028	.025	.018	.016	.015	.006	.005	.005	
3.0	.048	.040	.033	.041	.034	.029	.028	.024	.020	.016	.014	.012	.005	.005	.004	
4.0	.044	.035	.027	.038	.030	.024	.026	.021	.017	.015	.012	.010	.005	.004	.003	
5.0	.041	.030	.023	.035	.026	.020	.024	.018	.014	.014	.011	.008	.004	.004	.003	
6.0	.038	.027	.019	.032	.023	.017	.022	.016	.012	.013	.010	.007	.004	.003	.002	
7.0	.035	.024	.016	.030	.021	.014	.021	.015	.010	.012	.009	.006	.004	.003	.002	
8.0	.033	.022	.014	.028	.019	.012	.020	.013	.009	.011	.008	.005	.004	.003	.002	
9.0	.031	.020	.012	.027	.017	.011	.019	.012	.008	.011	.007	.004	.004	.002	.001	
10.0	.029	.018	.011	.025	.016	.009	.018	.011	.007	.010	.007	.004	.003	.002	.001	

C Range: 0 - 360DEG
 C Interval: 45.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:彭金英
 Test Date:2026-01-07

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:220.21V I:0.0801A P:10.396W PF:0.5896 Freq:49.99Hz Lamp Flux:1000x1 lm										
NAME: SLV220I					TYPE:			WEIGHT:		
SPEC.:					DIM.:			SERIAL No.:		
MFR.: SAT					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	3.1	3.8	3.3	4.0	4.1	-1.1	-0.4	-0.9	-0.2	-0.1
3H	2.9	3.6	3.2	3.8	4.0	-1.2	-0.5	-0.9	-0.3	-0.1
4H	2.9	3.5	3.1	3.7	3.9	-1.2	-0.6	-1.0	-0.4	-0.2
6H	2.8	3.4	3.1	3.6	3.9	-1.2	-0.6	-0.9	-0.4	-0.2
8H	2.8	3.3	3.1	3.6	3.8	-1.2	-0.6	-0.9	-0.4	-0.1
12H	2.7	3.3	3.0	3.5	3.8	-1.2	-0.6	-0.9	-0.4	-0.1
4H 2H	2.9	3.5	3.1	3.7	3.9	-1.3	-0.6	-1.0	-0.4	-0.2
3H	2.7	3.3	3.0	3.5	3.8	-1.4	-0.8	-1.1	-0.6	-0.3
4H	2.6	3.1	3.0	3.4	3.7	-1.4	-0.9	-1.1	-0.6	-0.3
6H	2.5	3.0	2.9	3.3	3.7	-1.4	-0.9	-1.0	-0.6	-0.3
8H	2.5	2.9	2.9	3.3	3.6	-1.4	-0.9	-1.0	-0.6	-0.2
12H	2.5	2.9	2.9	3.2	3.6	-1.3	-0.9	-0.9	-0.5	-0.1
8H 4H	2.5	2.9	2.9	3.2	3.6	-1.5	-1.1	-1.2	-0.8	-0.4
6H	2.4	2.7	2.8	3.1	3.5	-1.5	-1.2	-1.1	-0.8	-0.4
8H	2.4	2.7	2.8	3.1	3.5	-1.4	-1.1	-1.0	-0.7	-0.3
12H	2.3	2.6	2.8	3.0	3.5	-1.3	-1.0	-0.8	-0.6	-0.1
12H 4H	2.4	2.8	2.8	3.2	3.6	-1.6	-1.2	-1.2	-0.8	-0.5
6H	2.3	2.6	2.8	3.1	3.5	-1.6	-1.2	-1.1	-0.8	-0.4
8H	2.3	2.6	2.8	3.0	3.5	-1.5	-1.2	-1.0	-0.8	-0.3
Variations with the observer position at spacings:										
S = 1.0H	+ 3.6 / - 5.9					+ 2.1 / - 4.5				
1.5H	+ 5.2 / - 4.9					+ 3.3 / - 3.6				
2.0H	+ 4.9 / - 5.0					+ 3.8 / - 3.4				

CIE Pub.117, 1000 lm Total Lamp Luminous Flux Correct ($8\log(F/F_0) = 0.0$)

C Range: 0 - 360DEG
 C Interval: 45.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators: 彭金英
 Test Date: 2026-01-07

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:220.21V I:0.0801A P:10.396W PF:0.5896 Freq:49.99Hz Lamp Flux:1000x1 lm		
NAME: SLV220I	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: SAT	SUR.:	Shielding Angle:

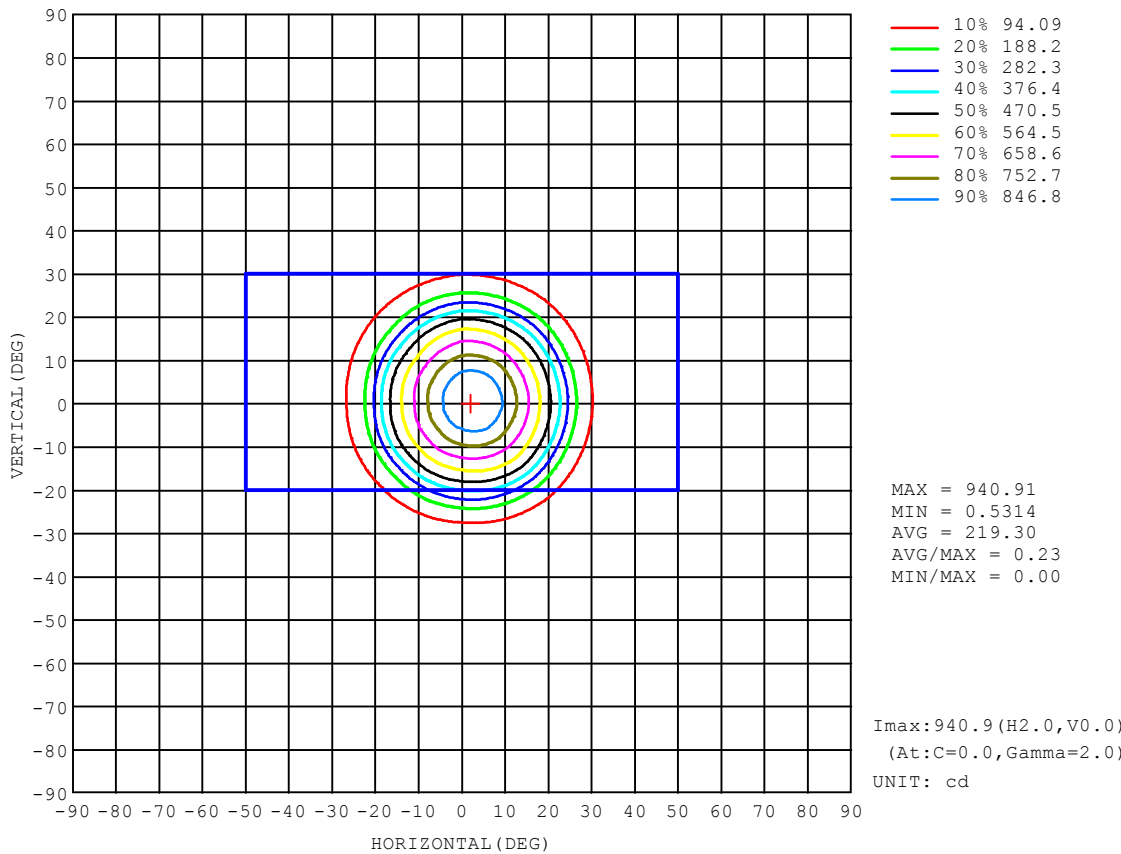
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS (PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	32	30	29	32	30	29	32	30	29	28
0.80	34	33	31	34	33	31	34	32	31	30
1.00	36	34	33	36	34	33	35	34	33	31
1.25	37	35	34	37	35	34	36	35	34	33
1.50	38	36	35	37	36	35	37	36	35	33
2.00	39	37	36	38	37	36	37	36	36	34
2.50	39	38	37	39	38	37	38	37	36	34
3.00	40	39	38	39	38	37	38	37	37	34
4.00	40	39	39	40	39	38	38	38	37	35
5.00	41	40	39	40	39	39	39	38	38	35
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: 2026-01-07

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:220.21V I:0.0801A P:10.396W PF:0.5896 Freq:49.99Hz Lamp Flux:1000x1 lm		
NAME: SLV220I	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: SAT	SUR.:	Shielding Angle:

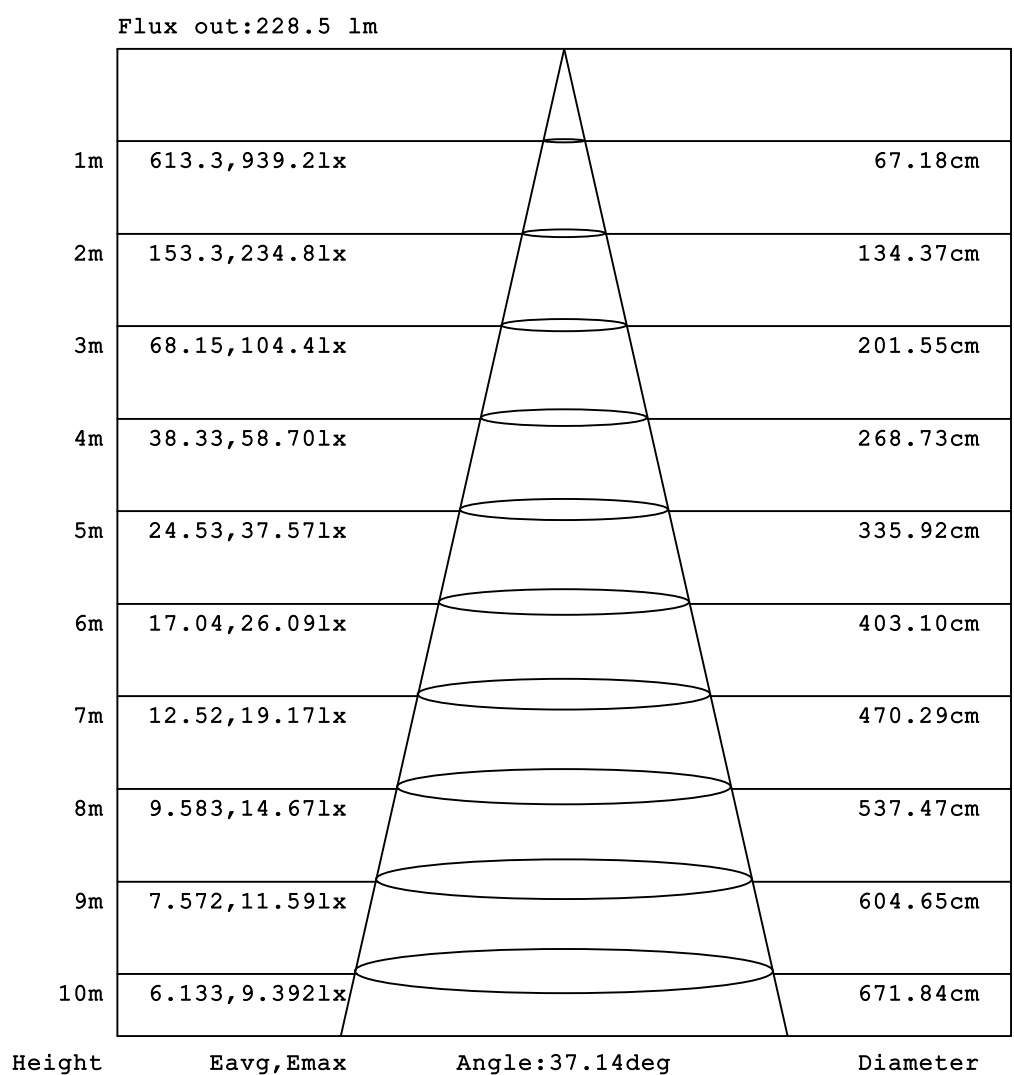


C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:彭金英
Test Date:2026-01-07

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:220.21V I:0.0801A P:10.396W PF:0.5896 Freq:49.99Hz Lamp Flux:1000x1 lm		
NAME: SLV220I	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: SAT	SUR.:	Shielding Angle:



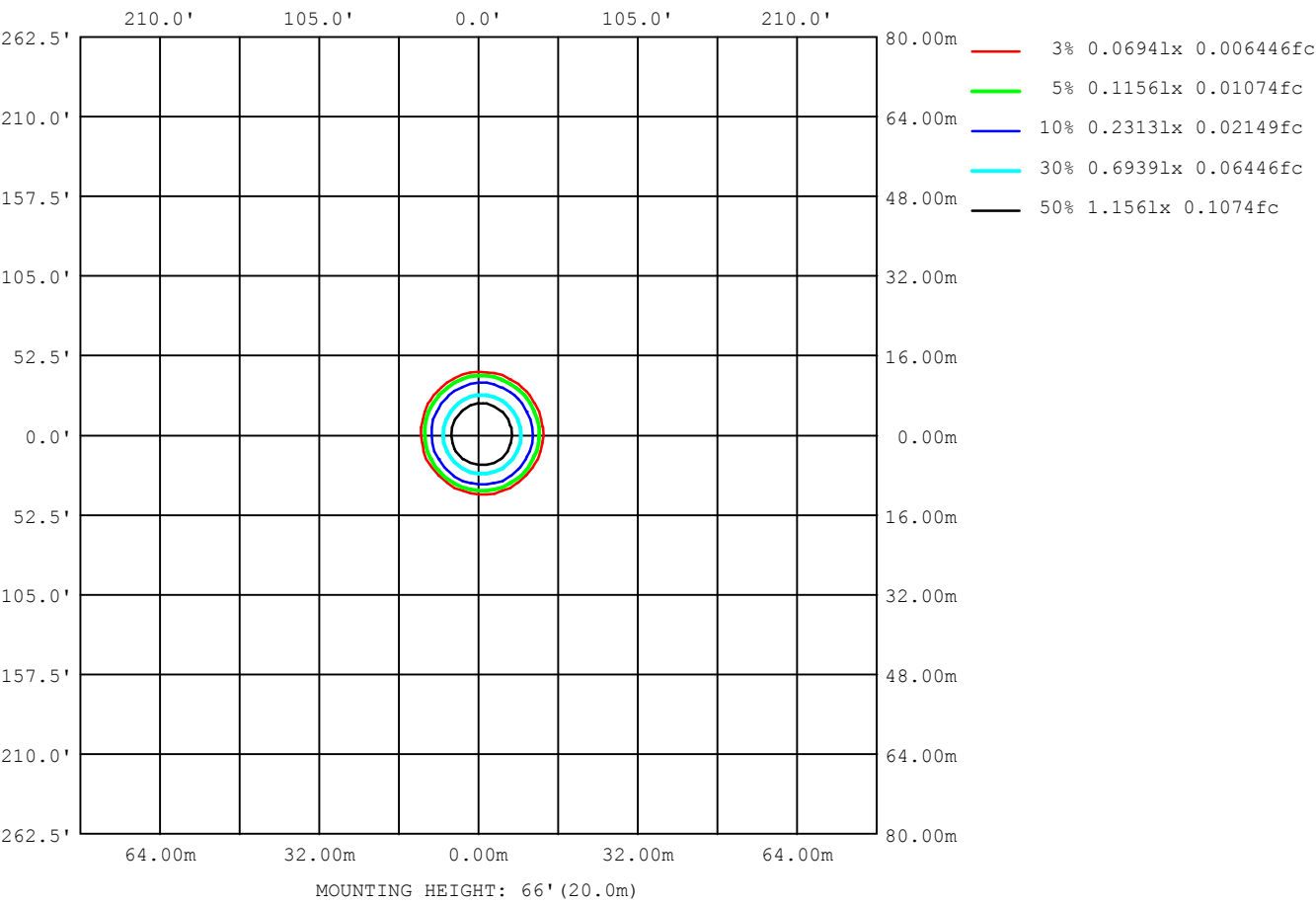
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
 C Interval: 45.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:彭金英
 Test Date:2026-01-07

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:220.21V I:0.0801A P:10.396W PF:0.5896 Freq:49.99Hz Lamp Flux:1000x1 lm		
NAME: SLV220I	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: SAT	SUR.:	Shielding Angle:



C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:彭金英
Test Date:2026-01-07

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:220.21V I:0.0801A P:10.396W PF:0.5896 Freq:49.99Hz Lamp Flux:1000x1 lm		
NAME: SLV220I	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: SAT	SUR.:	Shielding Angle:

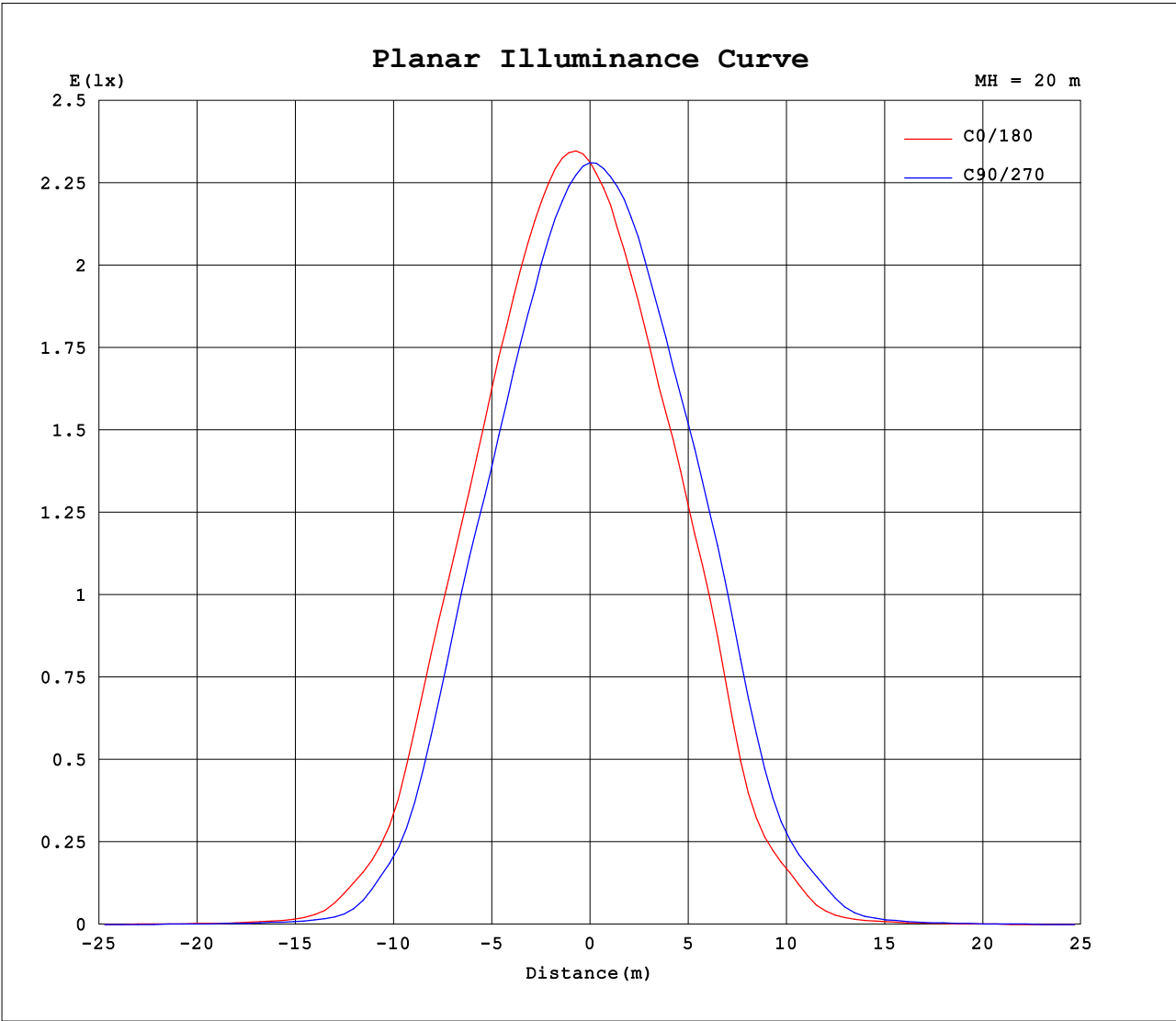
AvgL	cd/m2
L_0~180 (65) av	46
L_0~180 (75) av	51
L_0~180 (85) av	114
L_90~270 (65) av	57
L_90~270 (75) av	56
L_90~270 (85) av	127
L_45 (65) av	46
L_45 (75) av	50
L_45 (85) av	124

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:2026-01-07

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:2026-01-07

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:220.21V I:0.0801A P:10.396W PF:0.5896 Freq:49.99Hz Lamp Flux:1000x1 lm		
NAME: SLV220I	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: SAT	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: 2026-01-07

```

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:

```