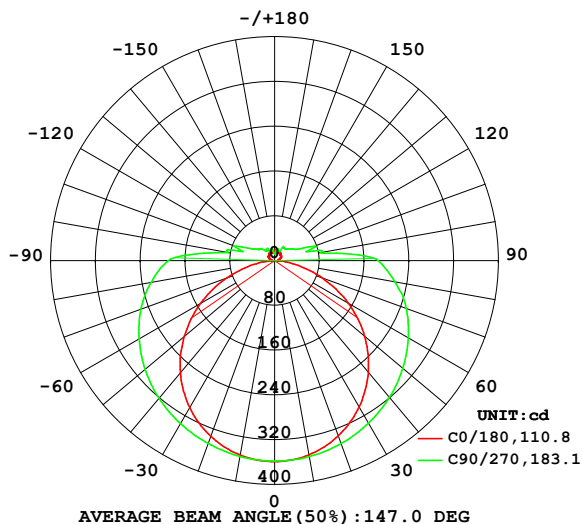


LUMINAIRE PHOTOMETRIC TEST REPORT

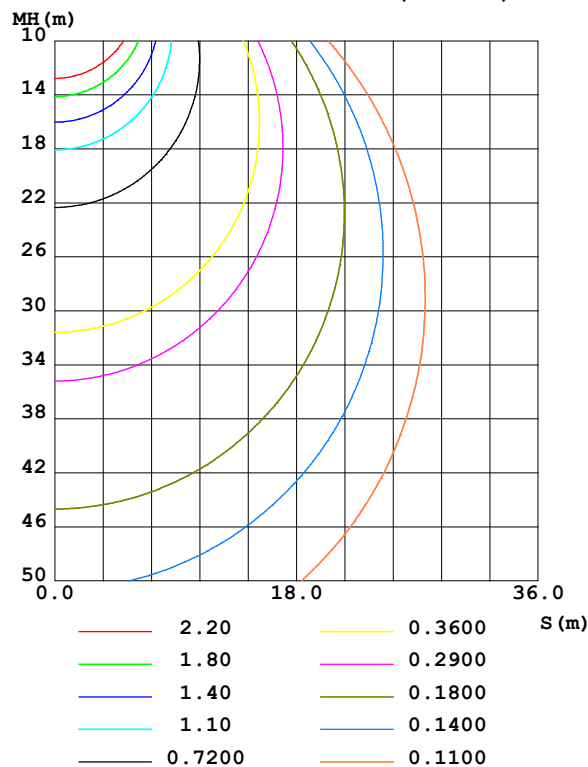
Test:U:120.03V I:0.2128A P:23.936W PF:0.9370 Freq:59.98Hz Lamp Flux:1591.85x1 lm		
NAME: WS24-033B-金色 24W 27K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.: 1
MFR.: EVERFINE	SUR.:	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA				Eff: 66.50 lm/W
MODEL	2700K	I _{max} (cd)	359.2	S/MH(C0/180)	1.26	
NOMINAL POWER(W)	24	LOR(%)	100.0	S/MH(C90/270)	1.42	
RATED VOLTAGE(V)	120	TOTAL FLUX(lm)	1591.8	η UP,DN(C0-180)	7.0,42.8	
NOMINAL FLUX(lm)	1591.85	CIE CLASS	SEMI-D.	η UP,DN(C180-360)	7.0,43.2	
LAMPS INSIDE	1	η up (%)	14.0	CIBSE SHR NOM	1.50	
TEST VOLTAGE(V)	120	η down (%)	86.0	CIBSE SHR MAX	1.55	

LUMINOUS INTENSITY DISTRIBUTION DIAGRAM



C0 PLANE ISOLUX DIAGRAM (UNIT:lx)



C Range: 0 - 360DEG
C Interval: 90.0DEG
Test Speed: HIGH
Temperature: 25.3℃
Operators: DAMIN
Test Date: 04 February 2026

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System: EVERFINE GO-2000B_V1 SYSTEM V2.00.459
Humidity: 65.0%
Test Distance: 7.380m [K=1.0000]
Remarks:

ZONAL FLUX DIAGRAM

ZONAL FLUX DIAGRAM:

γ	C0	C90	C180	C270					γ	Φ zone	Φ total	%lum, lamp
10	352.4	355.6	352.8	355.3					0- 10	34.02	34.02	2.14,2.14
20	332.9	347.8	334.0	347.5					10- 20	98.44	132.5	8.32,8.32
30	302.1	335.5	303.4	336.4					20- 30	152.7	285.2	17.9,17.9
40	260.5	319.1	262.1	321.4					30- 40	191.6	476.8	30,30
50	209.9	299.1	210.4	302.2					40- 50	211.5	688.3	43.2,43.2
60	152.0	276.1	152.5	279.6					50- 60	211.0	899.3	56.5,56.5
70	90.06	250.1	90.79	254.2					60- 70	191.6	1091	68.5,68.5
80	33.37	218.0	33.57	224.0					70- 80	157.6	1249	78.4,78.4
90	5.370	185.3	5.702	189.9					80- 90	119.9	1368	86,86
100	6.924	83.92	7.187	83.71					90-100	78.70	1447	90.9,90.9
110	9.834	76.68	10.09	78.02					100-110	43.89	1491	93.7,93.7
120	13.26	41.34	13.49	42.45					110-120	33.31	1524	95.8,95.8
130	14.55	32.96	14.02	33.56					120-130	22.77	1547	97.2,97.2
140	16.08	28.46	16.08	23.83					130-140	16.96	1564	98.3,98.3
150	15.98	20.48	16.03	21.56					140-150	13.35	1577	99.1,99.1
160	14.59	18.27	14.95	18.53					150-160	8.000	1585	99.6,99.6
170	15.71	18.29	15.33	20.24					160-170	4.904	1590	99.9,99.9
180	19.59	13.84	19.61	13.79					170-180	1.562	1592	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

Conical surface Flux(90deg): 581.36 lm

%lum = 36.5%

%lamp = 36.5%

Conical surface Flux(120deg): 899.31 lm

%lum = 56.5%

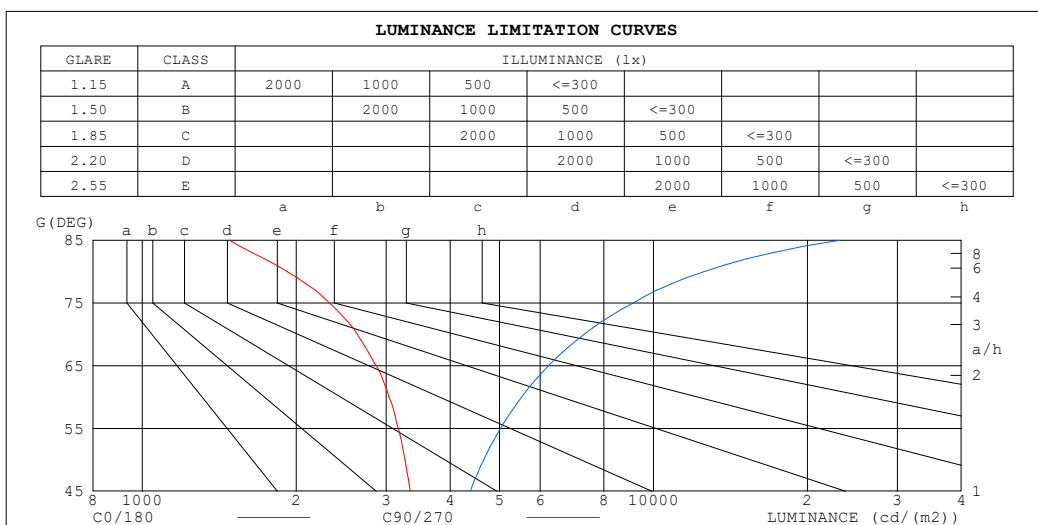
%lamp = 56.5%

C Range: 0 - 360DEG
C Interval: 90.0DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:DAMIN
Test Date:04 February 2026

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.459
Humidity:65.0%
Test Distance:7.380m [K=1.0000]
Remarks:

LUMINANCE LIMITATION CURVES

Test:U:120.03V I:0.2128A P:23.936W PF:0.9370 Freq:59.98Hz Lamp Flux:1591.85x1 lm		
NAME: WS24-033B-金色 24W 27K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.: 1
MFR.: EVERFINE	SUR.:	Shielding Angle:



LUMINANCE cd/(m2)		
G (DEG)	C0/180	C90/270
85	1483	23129
80	1922	12556
75	2324	9126
70	2633	7312
65	2869	6235
60	3040	5523
55	3168	5019
50	3266	4654
45	3342	4380

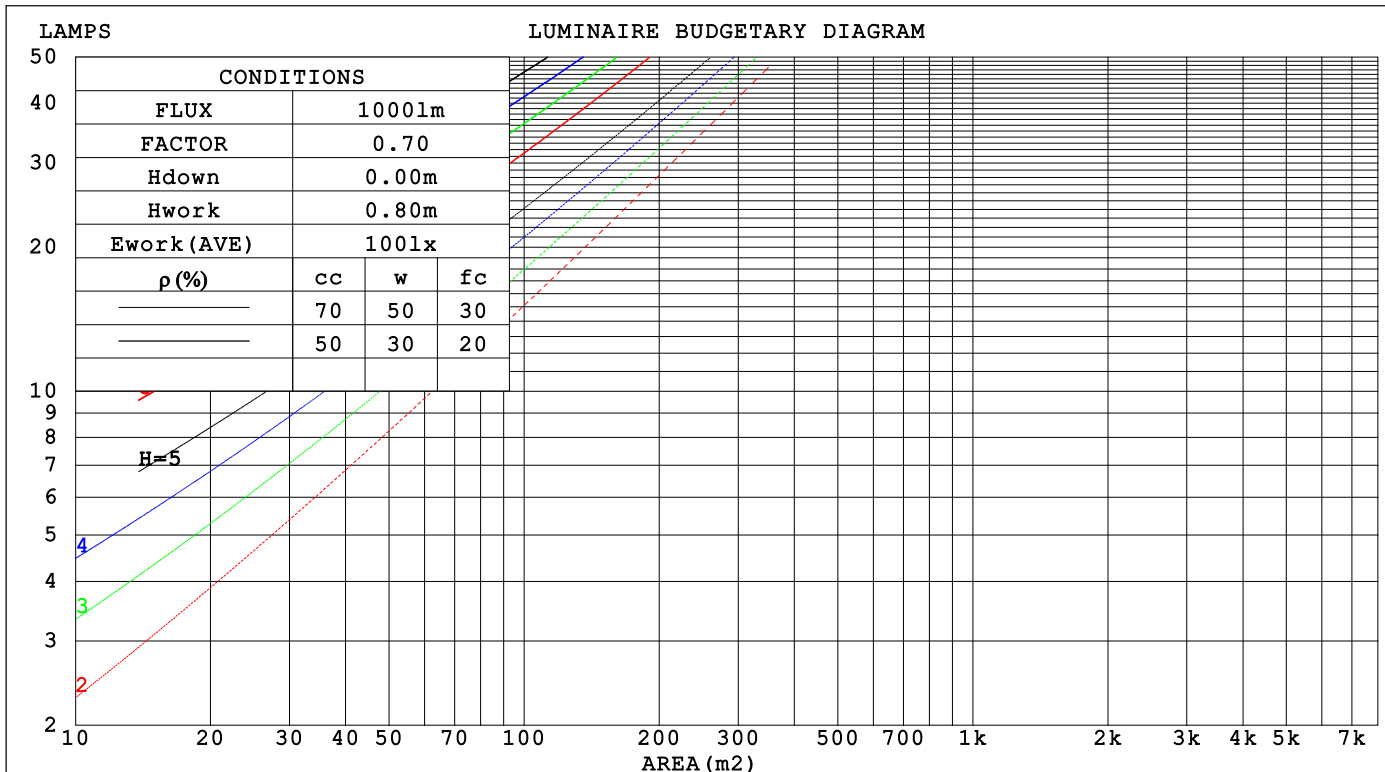
C Range: 0 - 360DEG
C Interval: 90.0DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:DAMIN
Test Date:04 February 2026

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.459
Humidity:65.0%
Test Distance:7.380m [K=1.0000]
Remarks:

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:120.03V I:0.2128A P:23.936W PF:0.9370 Freq:59.98Hz Lamp Flux:1591.85x1 lm		
NAME: WS24-033B-金色 24W 27K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.: 1
MFR.: EVERFINE	SUR.:	Shielding Angle:

pcc	80%			70%			50%			30%			10%			0														
p _w	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0														
p _{fc}	20%			20%			20%			20%			20%			0														
RCR	RCR:Room Cavity Ratio															Coefficients of Utilization(CU)														
0.0	1.16	1.16	1.16	1.11	1.11	1.11	1.03	1.03	1.03	.96	.96	.96	.89	.89	.89	.86														
1.0	.96	.91	.86	.93	.88	.83	.86	.82	.78	.79	.76	.73	.73	.71	.69	.65														
2.0	.82	.74	.68	.79	.72	.66	.73	.67	.62	.68	.63	.59	.63	.59	.55	.52														
3.0	.71	.62	.55	.69	.60	.54	.64	.57	.51	.59	.53	.48	.55	.50	.46	.43														
4.0	.63	.53	.46	.60	.51	.45	.56	.48	.43	.52	.46	.40	.48	.43	.38	.36														
5.0	.56	.46	.39	.54	.45	.38	.50	.42	.36	.46	.40	.35	.43	.37	.33	.30														
6.0	.50	.40	.33	.48	.39	.33	.45	.37	.31	.42	.35	.30	.39	.33	.29	.26														
7.0	.45	.36	.29	.43	.35	.29	.40	.33	.27	.38	.31	.26	.35	.30	.25	.23														
8.0	.41	.32	.26	.39	.31	.25	.37	.30	.24	.35	.28	.23	.32	.27	.22	.20														
9.0	.37	.29	.23	.36	.28	.23	.34	.27	.22	.32	.25	.21	.30	.24	.20	.18														
10.0	.34	.26	.21	.33	.26	.20	.31	.24	.20	.29	.23	.19	.28	.22	.18	.16														



C Range: 0 - 360DEG
C Interval: 90.0DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:DAMIN
Test Date:04 February 2026

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.459
Humidity:65.0%
Test Distance:7.380m [K=1.0000]
Remarks:

WEC AND CCEC

Test:U:120.03V I:0.2128A P:23.936W PF:0.9370 Freq:59.98Hz Lamp Flux:1591.85x1 lm		
NAME: WS24-033B-金色 24W 27K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.: 1
MFR.: EVERFINE	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						Wall Exitance Coefficients(WEC)										
0.0																	
1.0	.389	.221	.070	.377	.215	.068	.355	.204	.065	.336	.194	.062	.317	.184	.059		
2.0	.337	.185	.057	.327	.180	.055	.307	.171	.053	.289	.162	.051	.272	.154	.049		
3.0	.299	.159	.048	.290	.155	.047	.272	.148	.045	.256	.140	.043	.241	.133	.041		
4.0	.269	.140	.041	.261	.137	.040	.245	.130	.039	.230	.124	.037	.217	.118	.036		
5.0	.245	.125	.036	.237	.122	.035	.223	.116	.034	.209	.111	.033	.197	.105	.032		
6.0	.224	.112	.032	.217	.110	.032	.204	.105	.030	.192	.100	.029	.181	.095	.028		
7.0	.207	.102	.029	.201	.100	.028	.189	.095	.027	.177	.091	.026	.167	.087	.025		
8.0	.192	.094	.026	.186	.092	.026	.175	.087	.025	.165	.084	.024	.155	.080	.023		
9.0	.179	.086	.024	.173	.084	.024	.163	.081	.023	.154	.077	.022	.145	.074	.021		
10.0	.167	.080	.022	.162	.078	.022	.153	.075	.021	.144	.072	.020	.136	.068	.020		

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	.297	.297	.297	.254	.254	.254	.173	.173	.173	.100	.100	.100	.032	.032	.032		
1.0	.294	.263	.236	.251	.226	.203	.172	.155	.140	.099	.090	.082	.032	.029	.026		
2.0	.287	.240	.201	.246	.207	.174	.168	.143	.121	.097	.083	.071	.031	.027	.023		
3.0	.279	.224	.179	.239	.193	.155	.164	.134	.109	.095	.078	.064	.031	.025	.021		
4.0	.271	.211	.165	.233	.182	.143	.160	.127	.101	.093	.074	.060	.030	.024	.020		
5.0	.264	.201	.155	.226	.174	.135	.156	.122	.095	.090	.071	.056	.029	.023	.019		
6.0	.256	.193	.148	.220	.167	.129	.152	.117	.091	.088	.069	.054	.028	.023	.018		
7.0	.249	.187	.143	.214	.162	.124	.148	.113	.088	.086	.067	.052	.028	.022	.017		
8.0	.242	.181	.139	.209	.157	.121	.144	.110	.086	.084	.065	.051	.027	.021	.017		
9.0	.236	.176	.136	.203	.153	.118	.141	.107	.084	.082	.063	.050	.027	.021	.017		
10.0	.230	.172	.133	.198	.149	.116	.138	.105	.083	.080	.062	.049	.026	.020	.016		

C Range: 0 - 360DEG

C Interval: 90.0DEG

Test Speed: HIGH

Temperature:25.3℃

Operators:DAMIN

Test Date:04 February 2026

γ Range: 0 - 180DEG

γ Interval: 1.0DEG

Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.459

Humidity:65.0%

Test Distance:7.380m [K=1.0000]

Remarks:

UGR(Unified Glare Rating) Table

Test:U:120.03V I:0.2128A P:23.936W PF:0.9370 Freq:59.98Hz Lamp Flux:1591.85x1 lm										
NAME: WS24-033B-金色 24W 27K					TYPE:			WEIGHT:		
SPEC.:					DIM.:			SERIAL No.: 1		
MFR.: EVERFINE					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	14.2	15.7	14.7	16.1	16.6	16.3	17.7	16.8	18.2	18.7
3H	15.7	17.0	16.2	17.5	18.0	19.1	20.4	19.6	20.9	21.4
4H	16.3	17.5	16.8	18.0	18.6	20.7	21.9	21.2	22.4	23.0
6H	16.6	17.8	17.2	18.4	18.9	22.4	23.6	22.9	24.1	24.7
8H	16.7	17.9	17.3	18.4	19.0	23.4	24.5	23.9	25.1	25.6
12H	16.8	17.9	17.3	18.4	19.1	24.5	25.6	25.0	26.1	26.7
4H 2H	15.3	16.6	15.8	17.1	17.6	16.8	18.1	17.3	18.6	19.1
3H	17.1	18.2	17.6	18.7	19.3	19.8	20.9	20.4	21.5	22.1
4H	17.9	18.9	18.4	19.4	20.1	21.6	22.6	22.1	23.1	23.8
6H	18.4	19.4	19.0	19.9	20.6	23.5	24.4	24.1	25.0	25.7
8H	18.6	19.5	19.3	20.1	20.8	24.6	25.4	25.2	26.1	26.7
12H	18.8	19.6	19.4	20.2	20.9	25.9	26.7	26.5	27.3	28.0
8H 4H	18.8	19.7	19.5	20.3	21.0	21.8	22.7	22.4	23.3	24.0
6H	19.8	20.5	20.4	21.2	21.9	24.0	24.7	24.7	25.4	26.1
8H	20.2	20.9	20.9	21.5	22.3	25.3	26.0	26.0	26.6	27.4
12H	20.5	21.1	21.2	21.8	22.5	26.8	27.4	27.5	28.1	28.9
12H 4H	19.2	20.0	19.8	20.6	21.3	21.8	22.6	22.5	23.3	24.0
6H	20.3	21.0	21.0	21.6	22.4	24.1	24.8	24.8	25.4	26.2
8H	20.9	21.5	21.6	22.1	22.9	25.5	26.1	26.2	26.7	27.5
Variations with the observer position at spacings(CIE Pub.117):										
S = 1.0H	+ 0.1 / - 0.2					+ 0.1 / - 0.1				
1.5H	+ 0.2 / - 0.3					+ 0.2 / - 0.2				
2.0H	+ 0.3 / - 0.5					+ 0.2 / - 0.3				

CIE Pub.117, 1592 lm Total Lamp Luminous Flux Correct (8log(F/F0) = 1.6)
Area: 0.1 m2

C Range: 0 - 360DEG

C Interval: 90.0DEG

Test Speed: HIGH

Temperature:25.3℃

Operators:DAMIN

Test Date:04 February 2026

γ Range: 0 - 180DEG

γ Interval: 1.0DEG

Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.459

Humidity:65.0%

Test Distance:7.380m [K=1.0000]

Remarks:

UTILIZATION FACTORS TABLE

Test:U:120.03V I:0.2128A P:23.936W PF:0.9370 Freq:59.98Hz Lamp Flux:1591.85x1 lm		
NAME: WS24-033B-金色 24W 27K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.: 1
MFR.: EVERFINE	SUR.:	Shielding Angle:

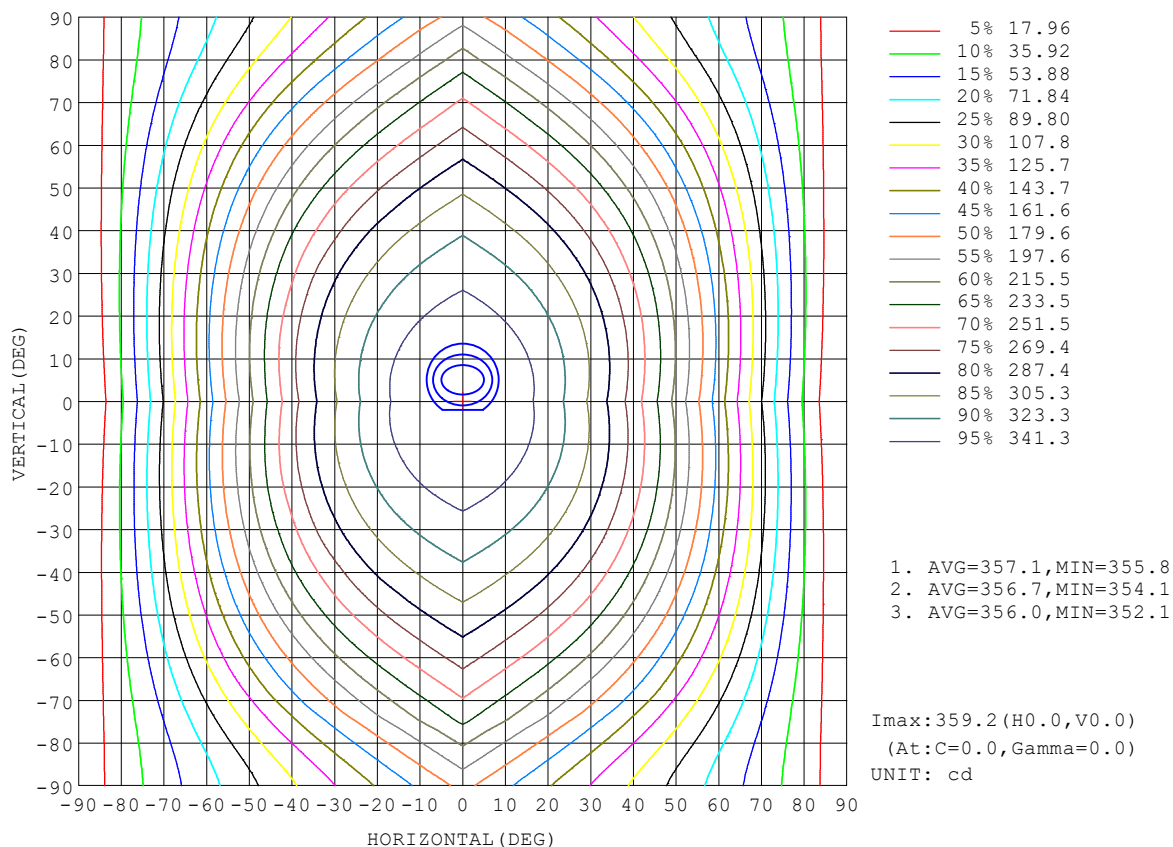
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS (PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	49	36	29	48	36	29	46	35	28	22
0.80	58	45	37	56	44	37	54	43	36	28
1.00	66	53	45	64	52	44	61	53	43	34
1.25	73	60	52	71	59	51	67	57	50	40
1.50	78	66	57	75	64	56	71	61	54	44
2.00	85	74	66	82	72	65	77	69	62	51
2.50	90	79	72	86	77	70	81	73	67	55
3.00	93	84	77	90	82	75	84	77	71	59
4.00	98	90	84	94	87	81	88	82	77	64
5.00	101	94	88	97	91	86	90	85	81	67
ROOM INDEX	UF (total)									Direct
According to DIN EN 13032-2 2004			Suspended					SHRNOM = 1.25		

C Range: 0 - 360DEG
C Interval: 90.0DEG
Test Speed: HIGH
Temperature: 25.3℃
Operators: DAMIN
Test Date: 04 February 2026

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System: EVERFINE GO-2000B_V1 SYSTEM V2.00.459
Humidity: 65.0%
Test Distance: 7.380m [K=1.0000]
Remarks:

ISOCANDELA DIAGRAM

Test:U:120.03V I:0.2128A P:23.936W PF:0.9370 Freq:59.98Hz Lamp Flux:1591.85x1 lm		
NAME: WS24-033B-金色 24W 27K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.: 1
MFR.: EVERFINE	SUR.:	Shielding Angle:

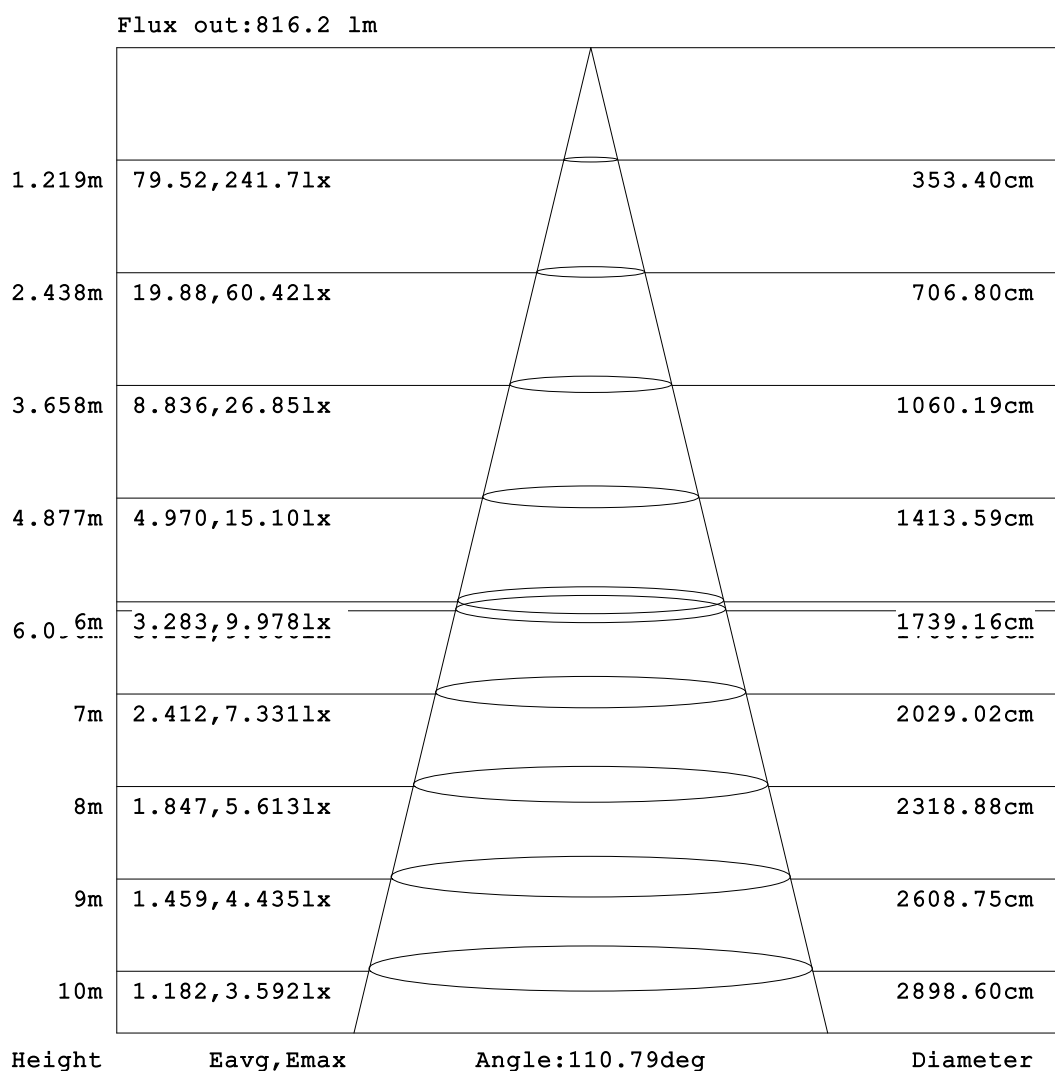


C Range: 0 - 360DEG
C Interval: 90.0DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:DAMIN
Test Date:04 February 2026

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.459
Humidity:65.0%
Test Distance:7.380m [K=1.0000]
Remarks:

AAI Figure

Test:U:120.03V I:0.2128A P:23.936W PF:0.9370 Freq:59.98Hz Lamp Flux:1591.85x1 lm		
NAME: WS24-033B-金色 24W 27K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.: 1
MFR.: EVERFINE	SUR.:	Shielding Angle:



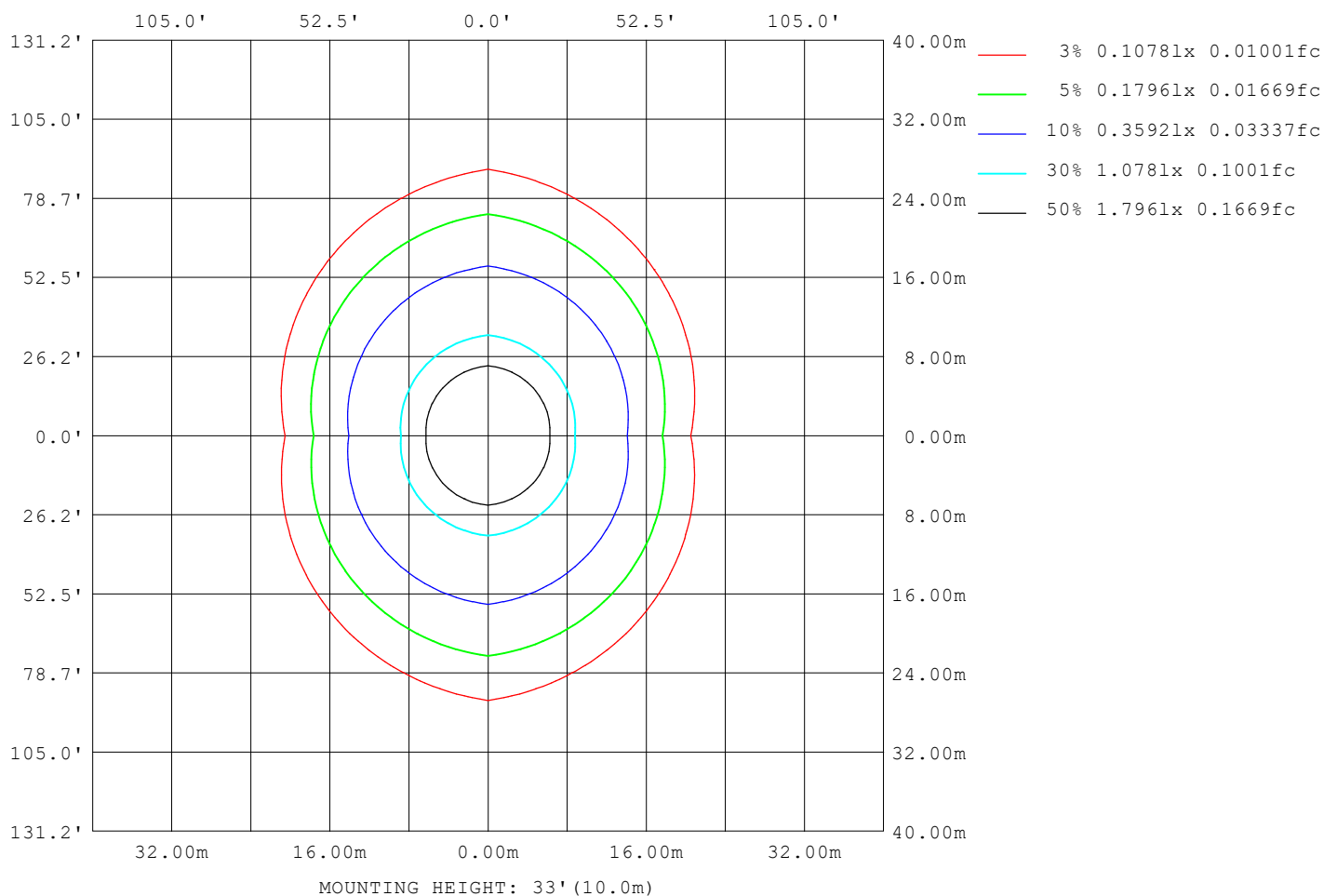
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
C Interval: 90.0DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:DAMIN
Test Date:04 February 2026

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.459
Humidity:65.0%
Test Distance:7.380m [K=1.0000]
Remarks:

ISOLUX DIAGRAM

Test:U:120.03V I:0.2128A P:23.936W PF:0.9370 Freq:59.98Hz Lamp Flux:1591.85x1 lm		
NAME: WS24-033B-金色 24W 27K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.: 1
MFR.: EVERFINE	SUR.:	Shielding Angle:



C Range: 0 - 360DEG
C Interval: 90.0DEG
Test Speed: HIGH
Temperature: 25.3°C
Operators: DAMIN
Test Date: 04 February 2026

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System: EVERFINE GO-2000B_V1 SYSTEM V2.00.459
Humidity: 65.0%
Test Distance: 7.380m [K=1.0000]
Remarks:

LED Avg.L Report

Test:U:120.03V I:0.2128A P:23.936W PF:0.9370 Freq:59.98Hz Lamp Flux:1591.85x1 lm		
NAME: WS24-033B-金色 24W 27K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.: 1
MFR.: EVERFINE	SUR.:	Shielding Angle:

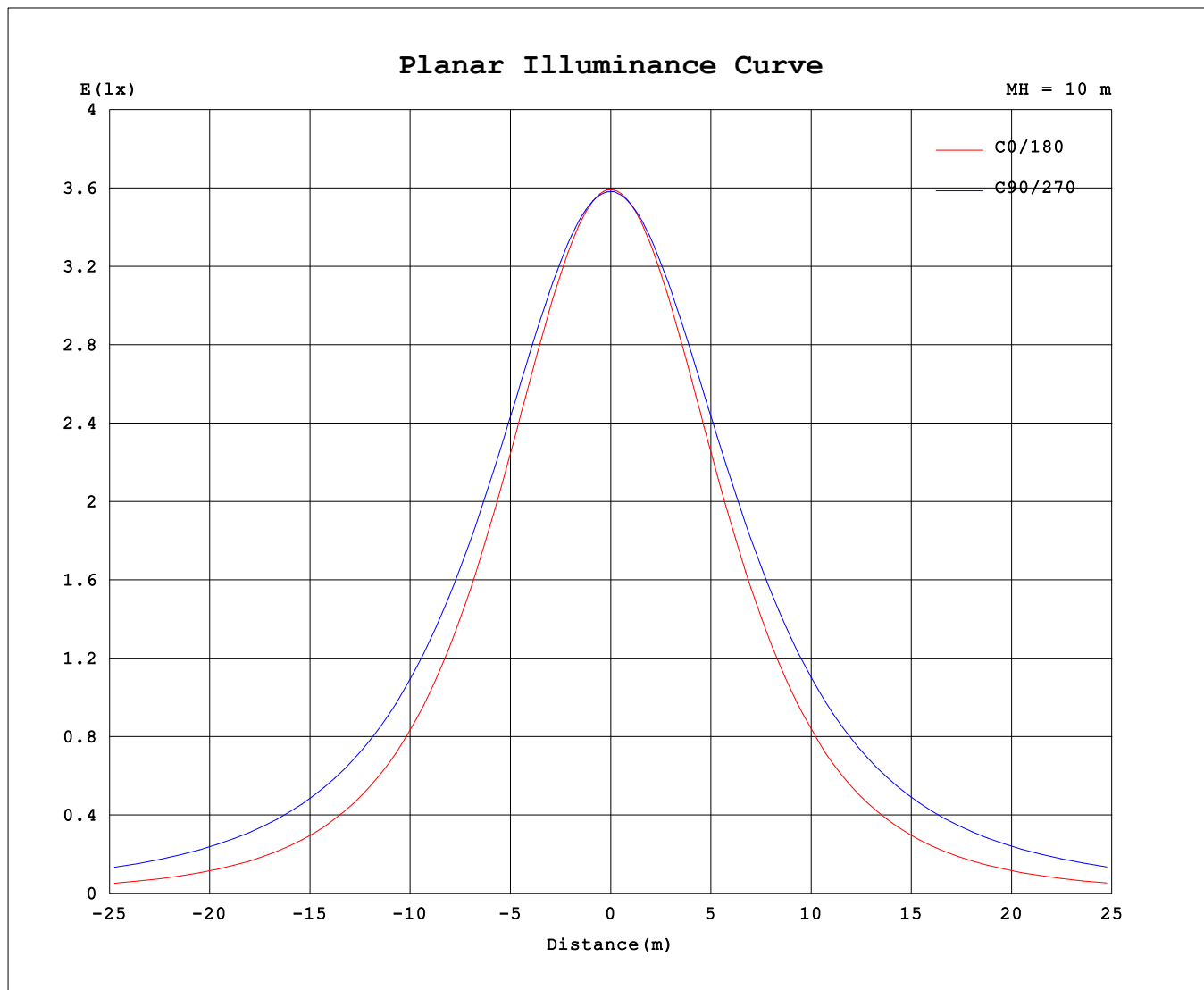
AvgL	cd/m2
L_0~180 (65) av	2875
L_0~180 (75) av	2335
L_0~180 (85) av	1494
L_90~270 (65) av	6280
L_90~270 (75) av	9194
L_90~270 (85) av	23486
L_45 (65) av	5003
L_45 (75) av	6623
L_45 (85) av	15240

Standard: GB/T 29293-2012

C Range: 0 - 360DEG
C Interval: 90.0DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:DAMIN
Test Date:04 February 2026

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.459
Humidity:65.0%
Test Distance:7.380m [K=1.0000]
Remarks:

Planar Illuminance Curve



C Range: 0 - 360DEG
C Interval: 90.0DEG
Test Speed: HIGH
Temperature: 25.3 °C
Operators: DAMIN
Test Date: 04 February 2026

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System: EVERFINE GO-2000B_V1 SYSTEM V2.00.459
Humidity: 65.0%
Test Distance: 7.380m [K=1.0000]
Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:120.03V I:0.2128A P:23.936W PF:0.9370 Freq:59.98Hz Lamp Flux:1591.85x1 lm		
NAME: WS24-033B-金色 24W 27K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.: 1
MFR.: EVERFINE	SUR.:	Shielding Angle:

Table--1

UNIT: cd

C (DEG) γ (DEG)	0	90	180	270															
0	359	358	359	358															
5	358	358	358	357															
10	352	356	353	355															
15	344	352	345	352															
20	333	348	334	347															
25	319	342	320	342															
30	302	336	303	336															
35	282	328	284	329															
40	261	319	262	321															
45	236	310	238	312															
50	210	299	210	302															
55	182	288	182	291															
60	152	276	153	280															
65	121	263	122	267															
70	90.1	250	90.8	254															
75	60.1	236	60.7	240															
80	33.4	218	33.6	224															
85	12.9	202	13.1	208															
90	5.37	185	5.70	190															
95	6.00	137	6.44	141															
100	6.92	83.9	7.19	83.7															
105	8.24	62.1	8.29	67.2															
110	9.83	76.7	10.1	78.0															
115	11.7	51.4	11.7	53.5															
120	13.3	41.3	13.5	42.5															
125	14.1	36.8	14.0	34.7															
130	14.6	33.0	14.0	33.6															
135	14.5	29.9	14.3	27.8															
140	16.1	28.5	16.1	23.8															
145	16.8	28.1	16.7	22.0															
150	16.0	20.5	16.0	21.6															
155	15.5	19.0	15.8	19.6															
160	14.6	18.3	15.0	18.5															
165	14.0	21.8	14.3	22.4															
170	15.7	18.3	15.3	20.2															
175	18.3	12.6	17.8	13.8															
180	19.6	13.8	19.6	13.8															

C Range: 0 - 360DEG

C Interval: 90.0DEG

Test Speed: HIGH

Temperature:25.3℃

Operators:DAMIN

Test Date:04 February 2026

γ Range: 0 - 180DEG

γ Interval: 1.0DEG

Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.459

Humidity:65.0%

Test Distance:7.380m [K=1.0000]

Remarks: