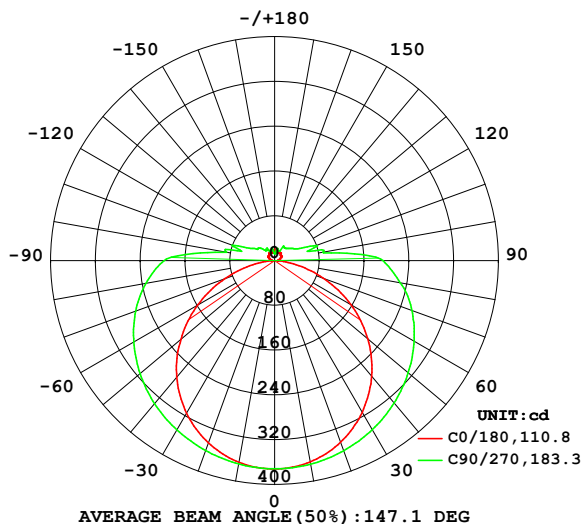


LUMINAIRE PHOTOMETRIC TEST REPORT

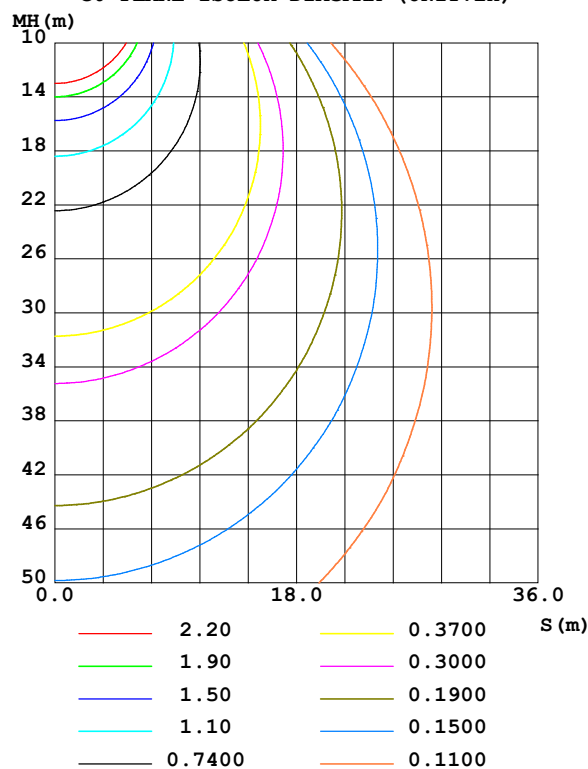
Test:U:120.02V I:0.2135A P:24.051W PF:0.9386 Freq:59.98Hz Lamp Flux:1654.65x1 lm		
NAME: WS24-033B-金色 24W 50K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.: 1
MFR.: EVERFINE	SUR.:	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA				Eff: 68.80 lm/W
MODEL	5000K	I _{max} (cd)	372.3	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)	1654.7	η UP,DN(C0-180)	7.0,42.8	
NOMINAL FLUX(lm)	1654.65	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 °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:

ZONAL FLUX DIAGRAM

ZONAL FLUX DIAGRAM:

γ	C0	C90	C180	C270					γ	Φ zone	Φ total	%lum, lamp
10	365.3	369.4	366.0	368.9					0- 10	35.30	35.30	2.13,2.13
20	345.4	361.5	346.4	360.9					10- 20	102.2	137.5	8.31,8.31
30	313.2	348.7	314.8	349.3					20- 30	158.5	296.0	17.9,17.9
40	269.9	332.2	272.2	333.7					30- 40	198.9	494.9	29.9,29.9
50	217.5	311.7	218.4	314.0					40- 50	219.8	714.6	43.2,43.2
60	157.4	287.8	158.4	290.4					50- 60	219.3	933.9	56.4,56.4
70	92.84	260.9	94.46	264.1					60- 70	199.3	1133	68.5,68.5
80	34.30	227.8	34.97	233.1					70- 80	164.1	1297	78.4,78.4
90	5.598	193.8	5.838	197.5					80- 90	124.9	1422	86,86
100	7.310	87.75	7.369	87.15					90-100	82.03	1504	90.9,90.9
110	10.33	80.07	10.47	81.41					100-110	45.77	1550	93.7,93.7
120	13.89	42.99	14.03	43.80					110-120	34.65	1585	95.8,95.8
130	15.14	34.24	14.49	34.79					120-130	23.61	1608	97.2,97.2
140	16.84	29.47	16.59	24.60					130-140	17.59	1626	98.3,98.3
150	16.71	21.25	16.51	22.11					140-150	13.82	1640	99.1,99.1
160	15.51	18.90	15.11	19.13					150-160	8.282	1648	99.6,99.6
170	16.27	18.95	15.90	20.85					160-170	5.081	1653	99.9,99.9
180	20.32	14.01	20.30	13.98					170-180	1.611	1655	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

Conical surface Flux(90deg): 603.49 lm

%lum = 36.5%

%lamp = 36.5%

Conical surface Flux(120deg): 933.93 lm

%lum = 56.4%

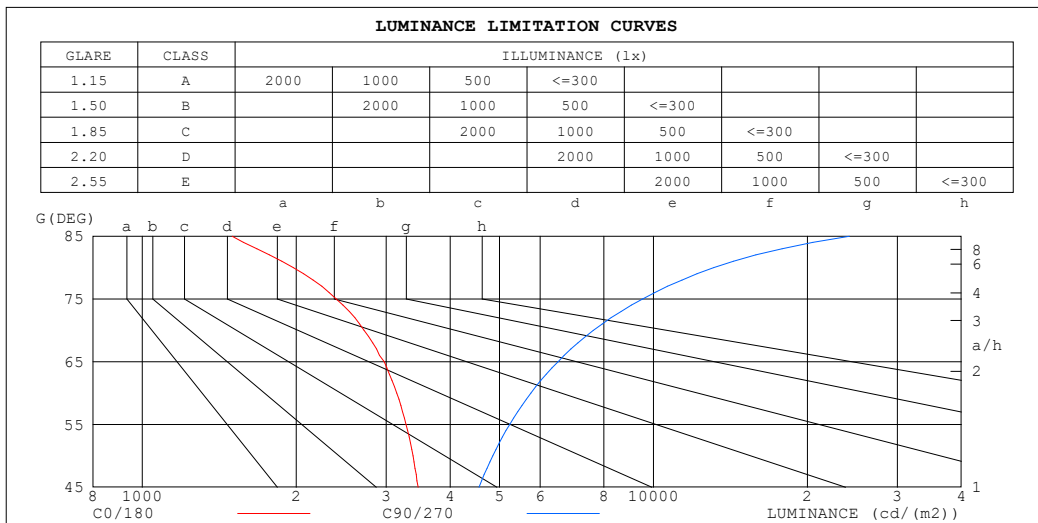
%lamp = 56.4%

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:120.02V I:0.2135A P:24.051W PF:0.9386 Freq:59.98Hz Lamp Flux:1654.65x1 lm		
NAME: WS24-033B-金色 24W 50K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.: 1
MFR.: EVERFINE	SUR.:	Shielding Angle:



LUMINANCE cd/(m2)		
G (DEG)	C0/180	C90/270
85	1499	24172
80	1975	13118
75	2396	9520
70	2715	7630
65	2972	6505
60	3147	5757
55	3280	5233
50	3383	4850
45	3462	4559

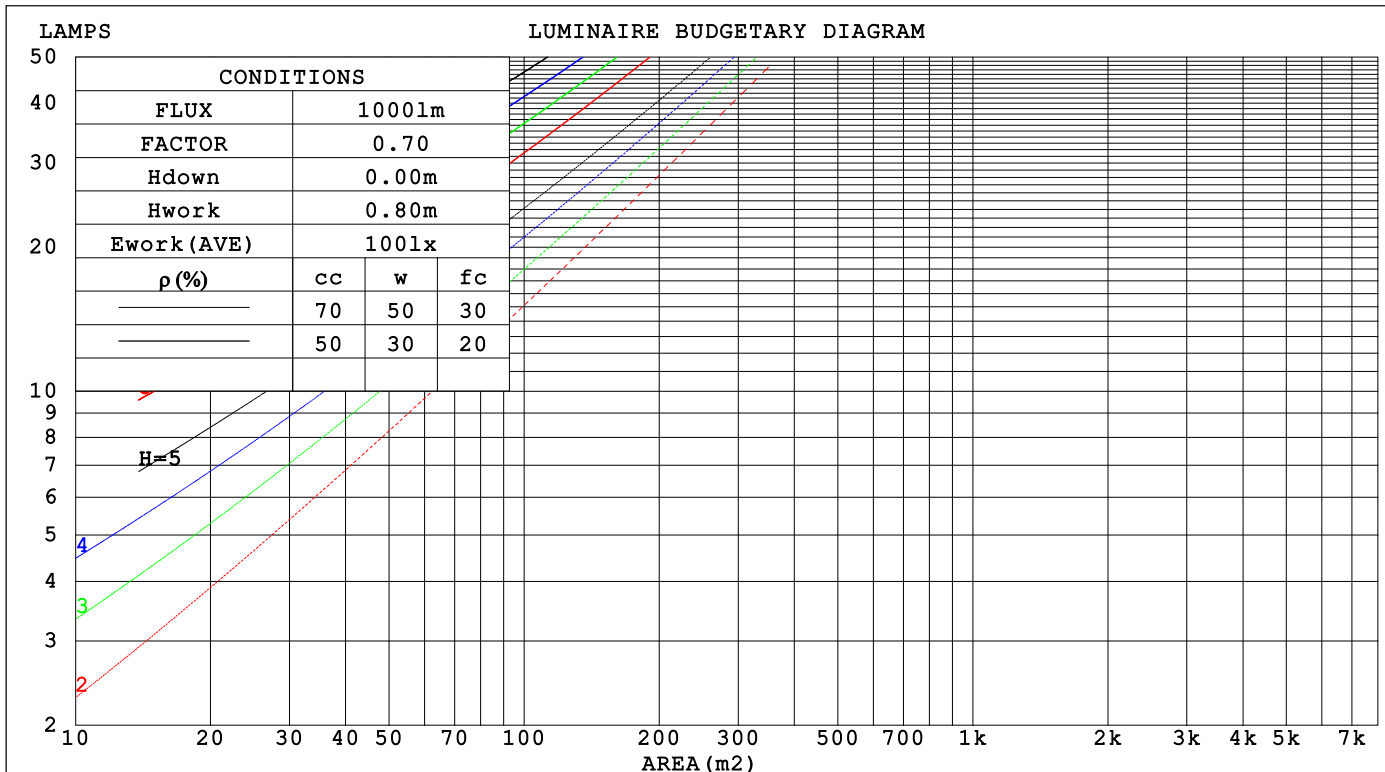
C Range: 0 - 360DEG
C Interval: 90.0DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:DAMIN
Test Date:04 February 2026

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:120.02V I:0.2135A P:24.051W PF:0.9386 Freq:59.98Hz Lamp Flux:1654.65x1 lm		
NAME: WS24-033B-金色 24W 50K	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															



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:120.02V I:0.2135A P:24.051W PF:0.9386 Freq:59.98Hz Lamp Flux:1654.65x1 lm		
NAME: WS24-033B-金色 24W 50K	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	.356	.204	.065	.336	.194	.062	.318	.184	.059		
2.0	.337	.185	.057	.327	.180	.055	.307	.171	.053	.289	.162	.051	.273	.154	.049		
3.0	.300	.159	.048	.290	.155	.047	.273	.148	.045	.256	.140	.043	.241	.134	.041		
4.0	.270	.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	.210	.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	.085	.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	.069	.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	.298	.298	.298	.254	.254	.254	.174	.174	.174	.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	.240	.193	.155	.164	.134	.109	.095	.078	.064	.031	.025	.021		
4.0	.272	.211	.165	.233	.182	.143	.160	.127	.101	.093	.074	.060	.030	.024	.020		
5.0	.264	.201	.155	.227	.174	.135	.156	.122	.095	.090	.071	.057	.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:120.02V I:0.2135A P:24.051W PF:0.9386 Freq:59.98Hz Lamp Flux:1654.65x1 lm										
NAME: WS24-033B-金色 24W 50K					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	15.6	14.7	16.1	16.6	16.3	17.8	16.8	18.2	18.7
3H	15.7	17.0	16.2	17.5	18.0	19.1	20.5	19.6	20.9	21.5
4H	16.3	17.5	16.8	18.0	18.6	20.7	22.0	21.2	22.5	23.0
6H	16.6	17.8	17.2	18.3	18.9	22.4	23.6	23.0	24.2	24.7
8H	16.7	17.9	17.3	18.4	19.0	23.4	24.6	24.0	25.1	25.7
12H	16.8	17.9	17.3	18.4	19.0	24.5	25.6	25.1	26.2	26.8
4H 2H	15.3	16.6	15.8	17.1	17.6	16.8	18.1	17.4	18.6	19.2
3H	17.1	18.2	17.6	18.7	19.3	19.8	21.0	20.4	21.5	22.1
4H	17.8	18.9	18.4	19.4	20.1	21.6	22.6	22.2	23.2	23.8
6H	18.4	19.3	19.0	19.9	20.6	23.5	24.5	24.1	25.0	25.7
8H	18.6	19.5	19.2	20.1	20.8	24.6	25.5	25.2	26.1	26.8
12H	18.8	19.5	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	21.9	22.7	22.5	23.3	24.0
6H	19.8	20.5	20.4	21.2	21.9	24.1	24.8	24.7	25.4	26.1
8H	20.2	20.9	20.9	21.5	22.3	25.3	26.0	26.0	26.7	27.4
12H	20.5	21.1	21.2	21.8	22.5	26.9	27.4	27.5	28.1	28.9
12H 4H	19.2	20.0	19.8	20.6	21.3	21.9	22.7	22.5	23.3	24.0
6H	20.3	21.0	21.0	21.6	22.4	24.1	24.8	24.8	25.5	26.2
8H	20.9	21.5	21.6	22.1	22.9	25.5	26.1	26.2	26.8	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, 1655 lm Total Lamp Luminous Flux Correct (8log(F/F0) = 1.7)
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:120.02V I:0.2135A P:24.051W PF:0.9386 Freq:59.98Hz Lamp Flux:1654.65x1 lm		
NAME: WS24-033B-金色 24W 50K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.: 1
MFR.: EVERFINE	SUR.:	Shielding Angle:

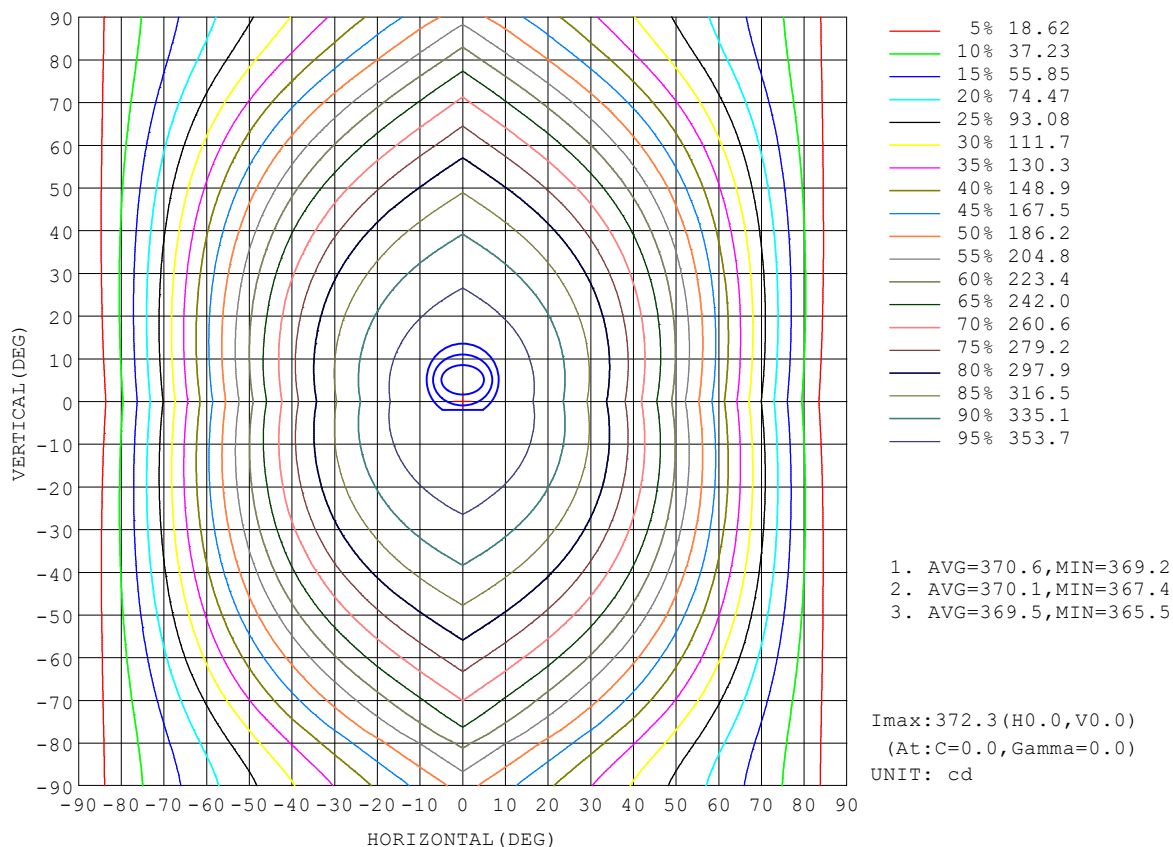
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS (PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	49	36	29	48	36	29	46	35	28	22
0.80	58	45	37	56	44	37	54	43	36	28
1.00	66	53	44	64	52	44	61	53	43	34
1.25	73	60	52	71	59	51	67	57	49	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:120.02V I:0.2135A P:24.051W PF:0.9386 Freq:59.98Hz Lamp Flux:1654.65x1 lm		
NAME: WS24-033B-金色 24W 50K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.: 1
MFR.: EVERFINE	SUR.:	Shielding Angle:

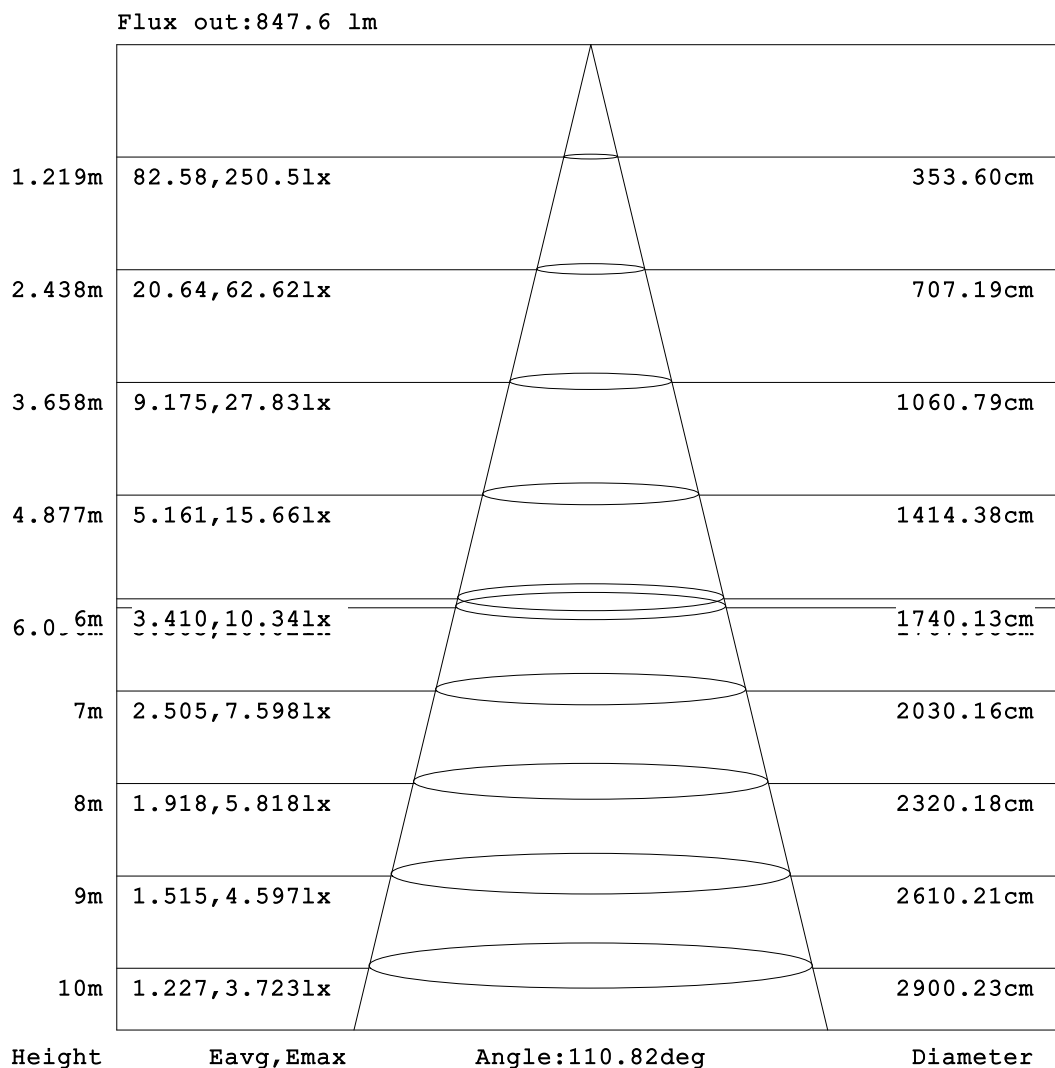


C Range: 0 - 360DEG
C Interval: 90.0DEG
Test Speed: HIGH
Temperature: 25.3°C
Operators: DAMIN
Test Date: 04 February 2026

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:

AAI Figure

Test:U:120.02V I:0.2135A P:24.051W PF:0.9386 Freq:59.98Hz Lamp Flux:1654.65x1 lm		
NAME: WS24-033B-金色 24W 50K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.: 1
MFR.: EVERFINE	SUR.:	Shielding Angle:



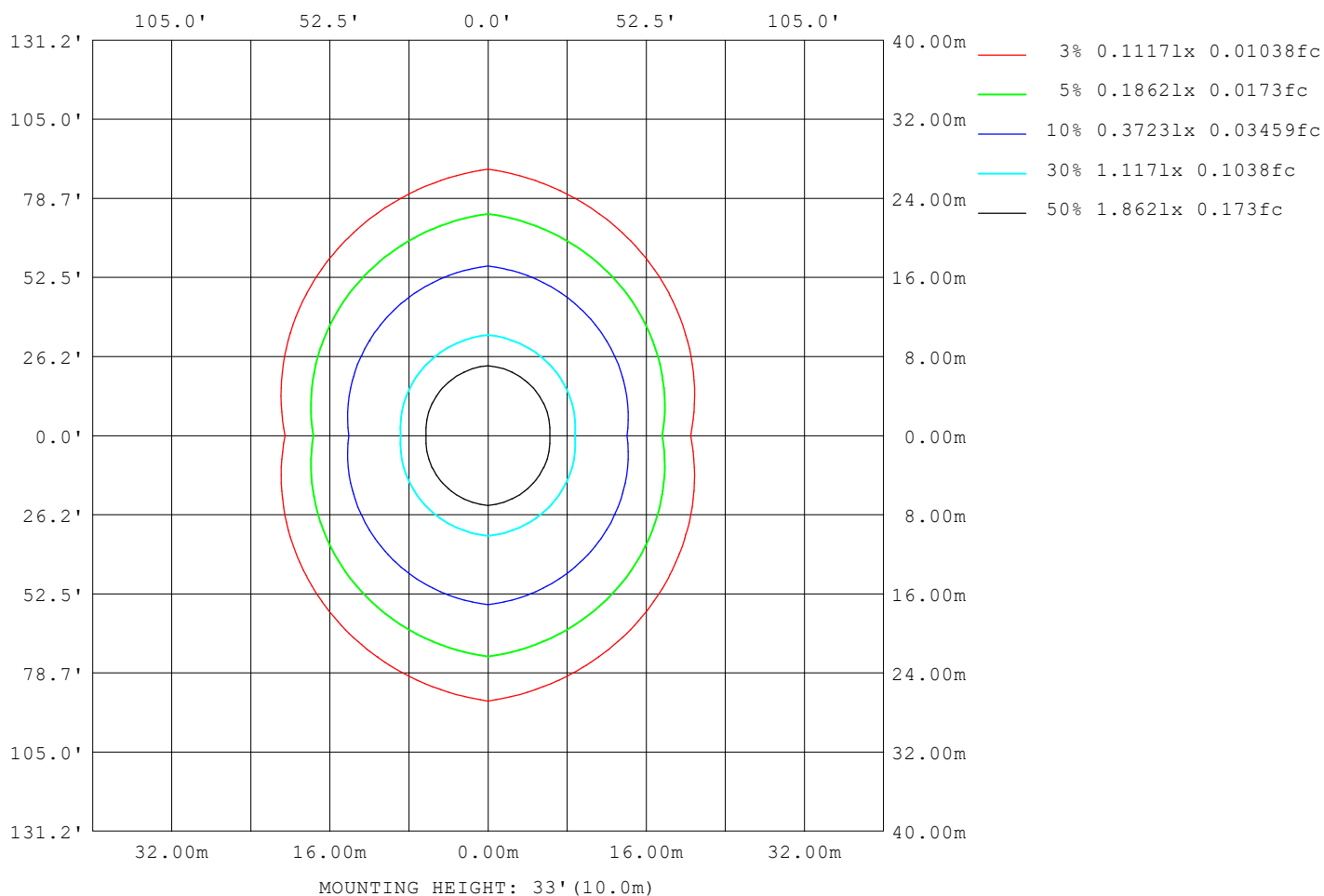
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

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:120.02V I:0.2135A P:24.051W PF:0.9386 Freq:59.98Hz Lamp Flux:1654.65x1 lm		
NAME: WS24-033B-金色 24W 50K	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:120.02V I:0.2135A P:24.051W PF:0.9386 Freq:59.98Hz Lamp Flux:1654.65x1 lm		
NAME: WS24-033B-金色 24W 50K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.: 1
MFR.: EVERFINE	SUR.:	Shielding Angle:

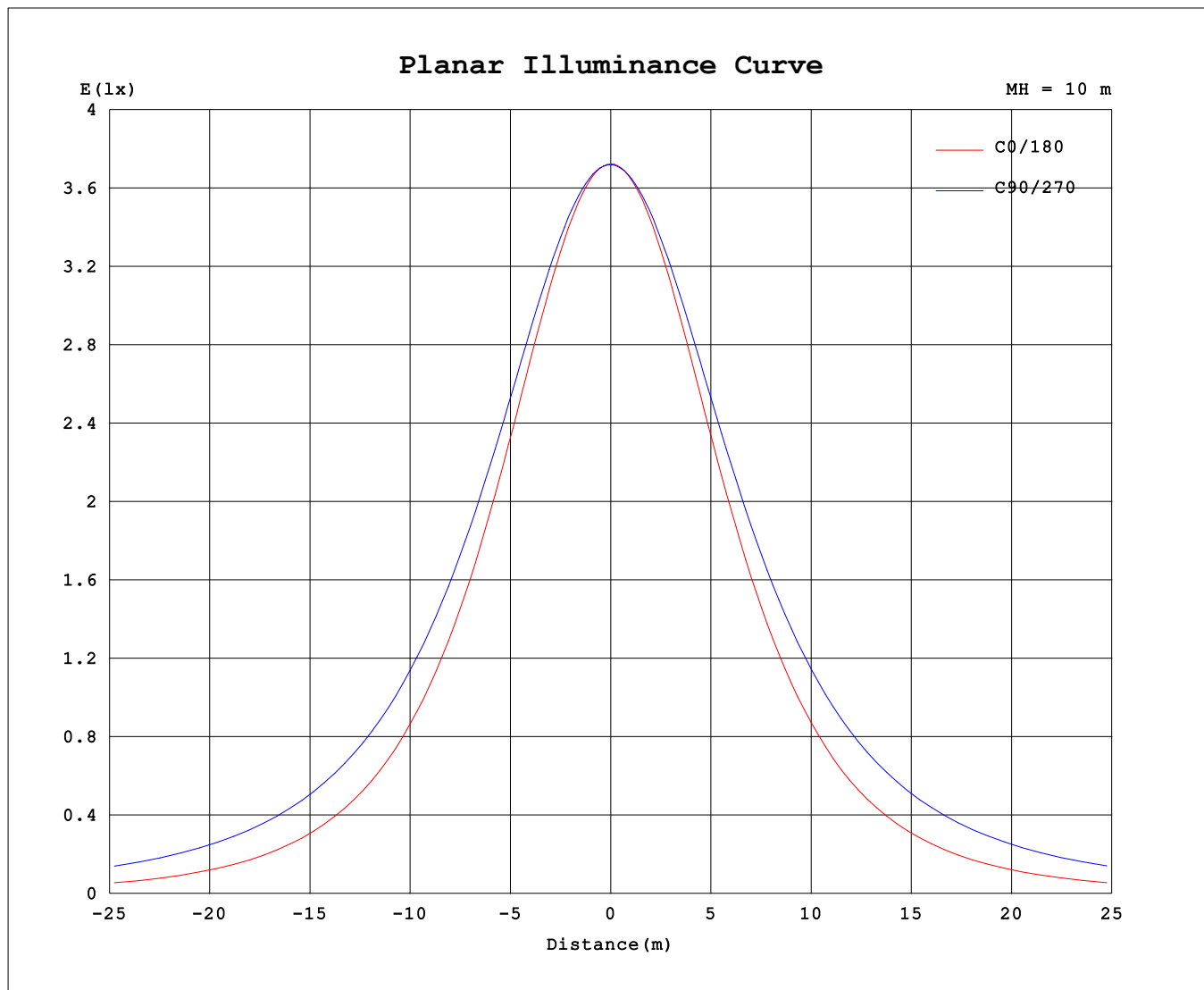
AvgL	cd/m2
L_0~180 (65) av	2984
L_0~180 (75) av	2419
L_0~180 (85) av	1532
L_90~270 (65) av	6540
L_90~270 (75) av	9578
L_90~270 (85) av	24490
L_45 (65) av	5207
L_45 (75) av	6895
L_45 (85) av	15883

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:120.02V I:0.2135A P:24.051W PF:0.9386 Freq:59.98Hz Lamp Flux:1654.65x1 lm		
NAME: WS24-033B-金色 24W 50K	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	372	372	372	372														
5	371	371	371	371														
10	365	369	366	369														
15	357	366	358	365														
20	345	361	346	361														
25	330	356	332	356														
30	313	349	315	349														
35	292	341	295	342														
40	270	332	272	334														
45	245	322	247	324														
50	217	312	218	314														
55	188	300	189	303														
60	157	288	158	290														
65	126	275	127	278														
70	92.8	261	94.5	264														
75	62.0	246	63.2	249														
80	34.3	228	35.0	233														
85	13.1	211	13.6	216														
90	5.60	194	5.84	198														
95	6.30	143	6.67	146														
100	7.31	87.7	7.37	87.1														
105	8.68	64.7	8.56	69.8														
110	10.3	80.1	10.5	81.4														
115	12.2	53.5	12.2	55.1														
120	13.9	43.0	14.0	43.8														
125	14.8	38.2	14.4	36.5														
130	15.1	34.2	14.5	34.8														
135	15.2	31.0	14.8	28.5														
140	16.8	29.5	16.6	24.6														
145	17.5	29.1	17.2	22.6														
150	16.7	21.3	16.5	22.1														
155	16.4	19.7	16.0	20.2														
160	15.5	18.9	15.1	19.1														
165	14.8	22.7	14.6	23.1														
170	16.3	18.9	15.9	20.9														
175	19.0	12.7	18.4	14.1														
180	20.3	14.0	20.3	14.0														

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: