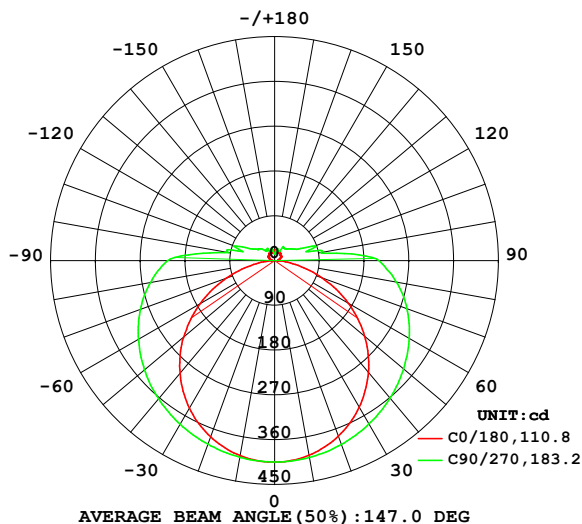


LUMINAIRE PHOTOMETRIC TEST REPORT

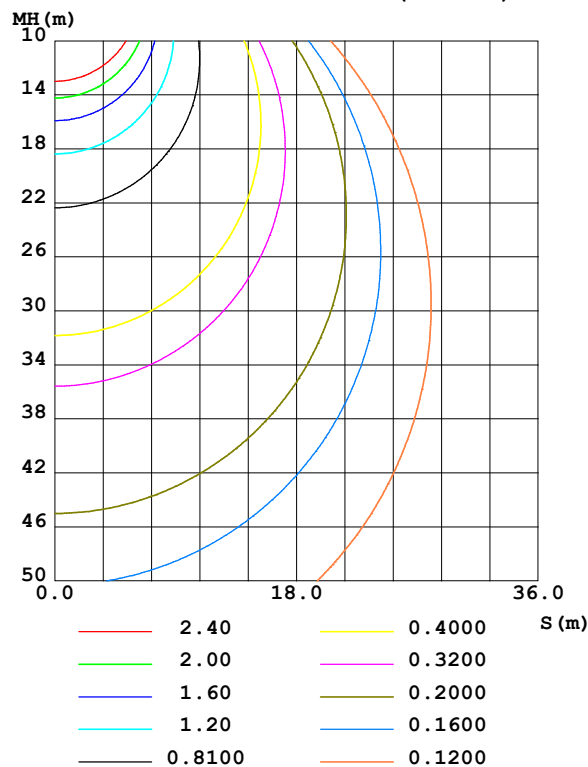
Test:U:120.01V I:0.2150A P:24.265W PF:0.9406 Freq:59.98Hz Lamp Flux:1798.42x1 lm		
NAME: WS24-033B-金色 24W 35K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.: 1
MFR.: EVERFINE	SUR.:	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA				Eff: 74.11 lm/W
MODEL	3500K	I _{max} (cd)	405.0	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)	1798.4	η UP,DN(C0-180)	7.0,42.8	
NOMINAL FLUX(lm)	1798.42	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	397.3	402.0	398.1	401.5					0- 10	38.40	38.40	2.14,2.14
20	375.4	392.9	376.9	392.5					10- 20	111.1	149.5	8.31,8.31
30	340.3	379.3	342.4	380.0					20- 30	172.4	321.9	17.9,17.9
40	293.4	360.9	296.0	362.9					30- 40	216.3	538.3	29.9,29.9
50	236.5	338.2	239.2	341.6					40- 50	239.0	777.2	43.2,43.2
60	171.2	312.4	172.4	316.0					50- 60	238.4	1016	56.5,56.5
70	101.1	283.2	102.7	287.1					60- 70	216.6	1232	68.5,68.5
80	37.54	248.4	38.00	253.2					70- 80	178.3	1410	78.4,78.4
90	6.063	210.0	6.387	214.7					80- 90	135.8	1546	86,86
100	7.844	94.88	8.085	94.39					90-100	88.98	1635	90.9,90.9
110	11.11	86.79	11.40	88.01					100-110	49.58	1685	93.7,93.7
120	14.98	46.63	15.27	47.38					110-120	37.54	1722	95.8,95.8
130	16.32	37.14	15.87	37.73					120-130	25.63	1748	97.2,97.2
140	18.08	32.02	18.20	26.73					130-140	19.11	1767	98.3,98.3
150	17.89	23.13	18.17	24.13					140-150	15.02	1782	99.1,99.1
160	16.49	20.63	16.79	20.85					150-160	9.016	1791	99.6,99.6
170	17.60	20.66	17.39	22.80					160-170	5.530	1797	99.9,99.9
180	22.14	15.55	22.09	15.53					170-180	1.760	1798	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

Conical surface Flux(90deg): 656.35 lm

%lum = 36.5%

%lamp = 36.5%

Conical surface Flux(120deg): 1015.6 lm

%lum = 56.5%

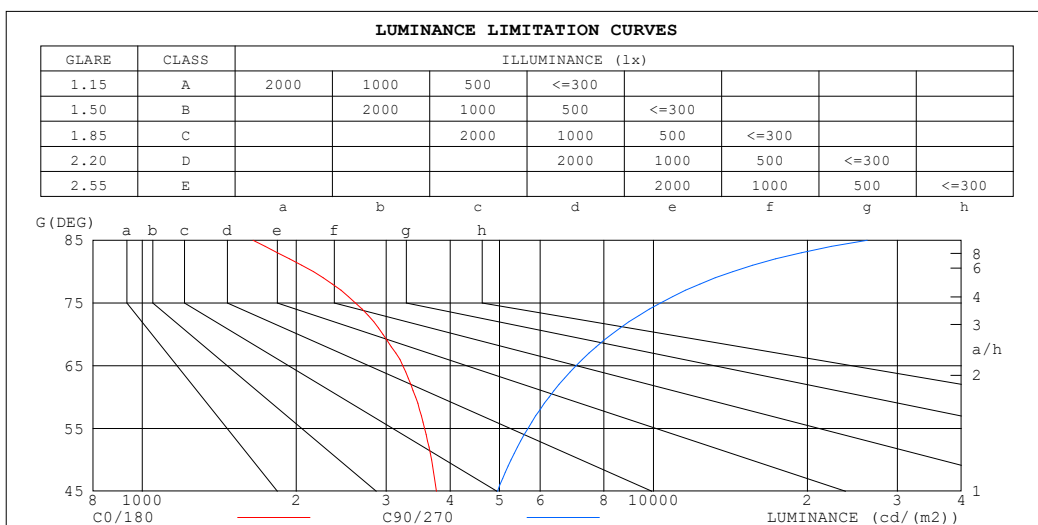
%lamp = 56.5%

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:120.01V I:0.2150A P:24.265W PF:0.9406 Freq:59.98Hz Lamp Flux:1798.42x1 lm		
NAME: WS24-033B-金色 24W 35K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.: 1
MFR.: EVERFINE	SUR.:	Shielding Angle:



LUMINANCE cd/(m2)		
G (DEG)	C0/180	C90/270
85	1647	26200
80	2162	14306
75	2612	10325
70	2956	8279
65	3233	7058
60	3425	6248
55	3566	5678
50	3680	5261
45	3762	4952

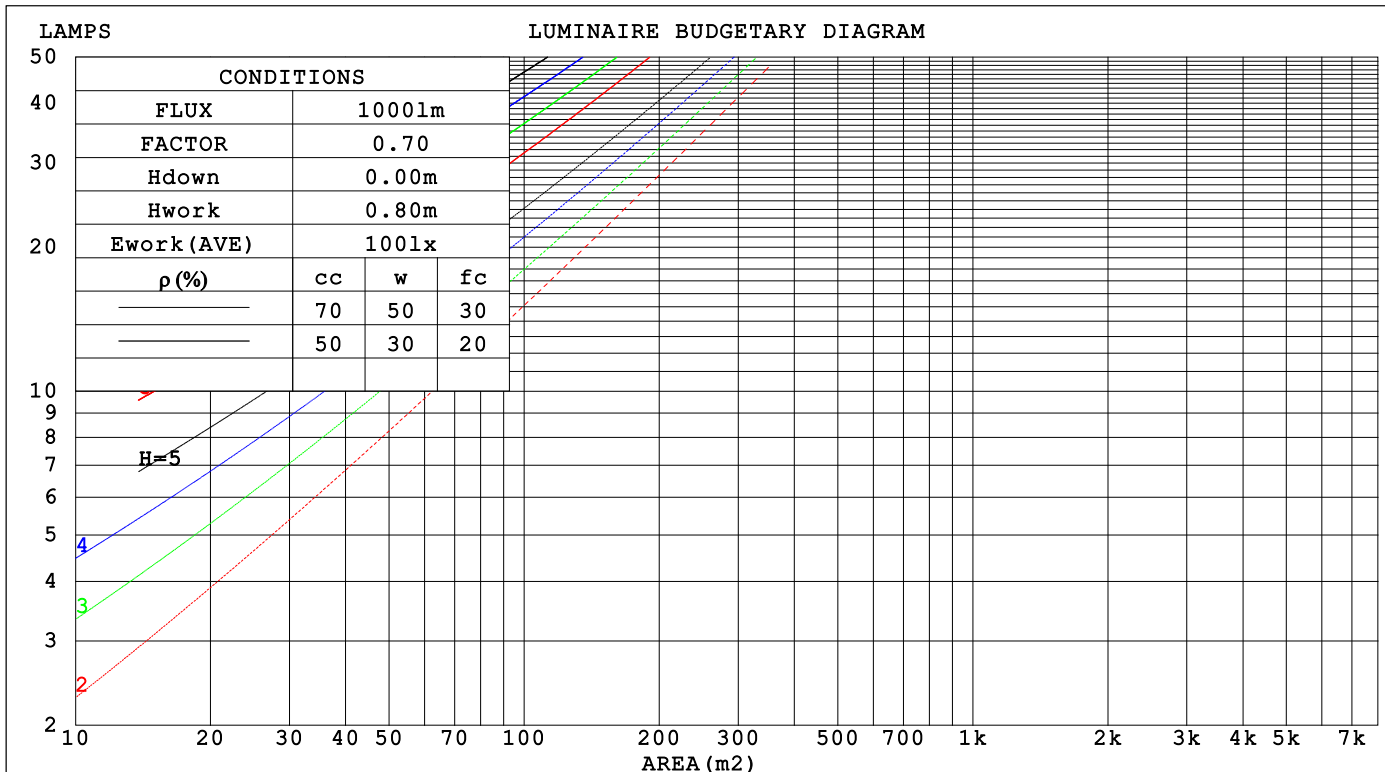
C Range: 0 - 360DEG
C Interval: 90.0DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:DAMIN
Test Date:04 February 2026

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:120.01V I:0.2150A P:24.265W PF:0.9406 Freq:59.98Hz Lamp Flux:1798.42x1 lm		
NAME: WS24-033B-金色 24W 35K	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															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	.42	.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:120.01V I:0.2150A P:24.265W PF:0.9406 Freq:59.98Hz Lamp Flux:1798.42x1 lm		
NAME: WS24-033B-金色 24W 35K	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	.299	.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	.026		
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	.297	.297	.297	.254	.254	.254	.173	.173	.173	.100	.100	.100	.032	.032	.032		
1.0	.293	.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	.030	.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	.186	.143	.214	.162	.124	.148	.113	.088	.086	.067	.052	.028	.022	.017		
8.0	.242	.181	.139	.208	.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	.137	.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:120.01V I:0.2150A P:24.265W PF:0.9406 Freq:59.98Hz Lamp Flux:1798.42x1 lm											
NAME: WS24-033B-金色 24W 35K						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	17.7	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	21.5
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	20.9	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	19.4	19.0	19.9	20.6	23.5	24.4	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	19.6	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	21.9	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	25.4	26.0	26.0	26.7	27.4
12H		20.5	21.1	21.2	21.8	22.6	26.9	27.4	27.6	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	25.4	26.2
8H		20.9	21.5	21.6	22.2	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, 1798 lm Total Lamp Luminous Flux Correct (8log(F/F0) = 2.0)
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:120.01V I:0.2150A P:24.265W PF:0.9406 Freq:59.98Hz Lamp Flux:1798.42x1 lm		
NAME: WS24-033B-金色 24W 35K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.: 1
MFR.: EVERFINE	SUR.:	Shielding Angle:

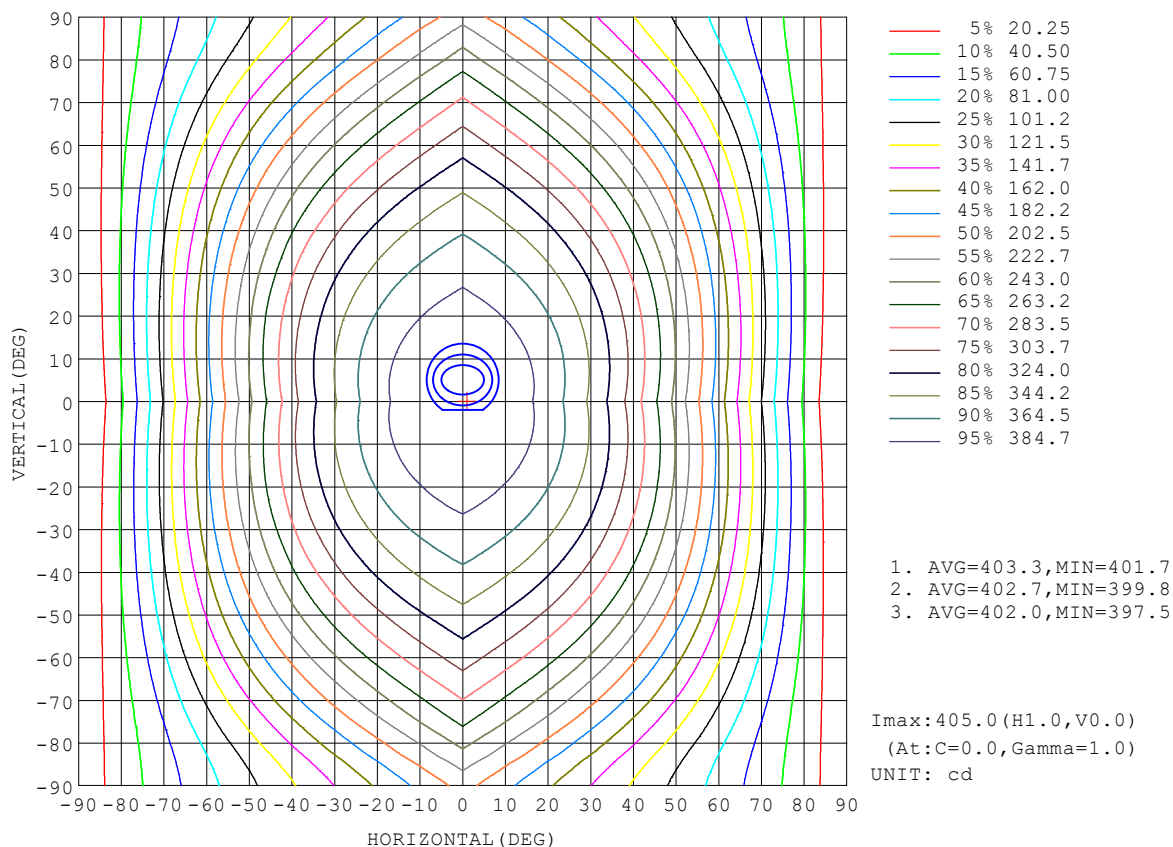
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS (PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	49	36	29	48	36	29	46	35	28	22
0.80	58	45	37	56	44	37	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	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:120.01V I:0.2150A P:24.265W PF:0.9406 Freq:59.98Hz Lamp Flux:1798.42x1 lm		
NAME: WS24-033B-金色 24W 35K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.: 1
MFR.: EVERFINE	SUR.:	Shielding Angle:

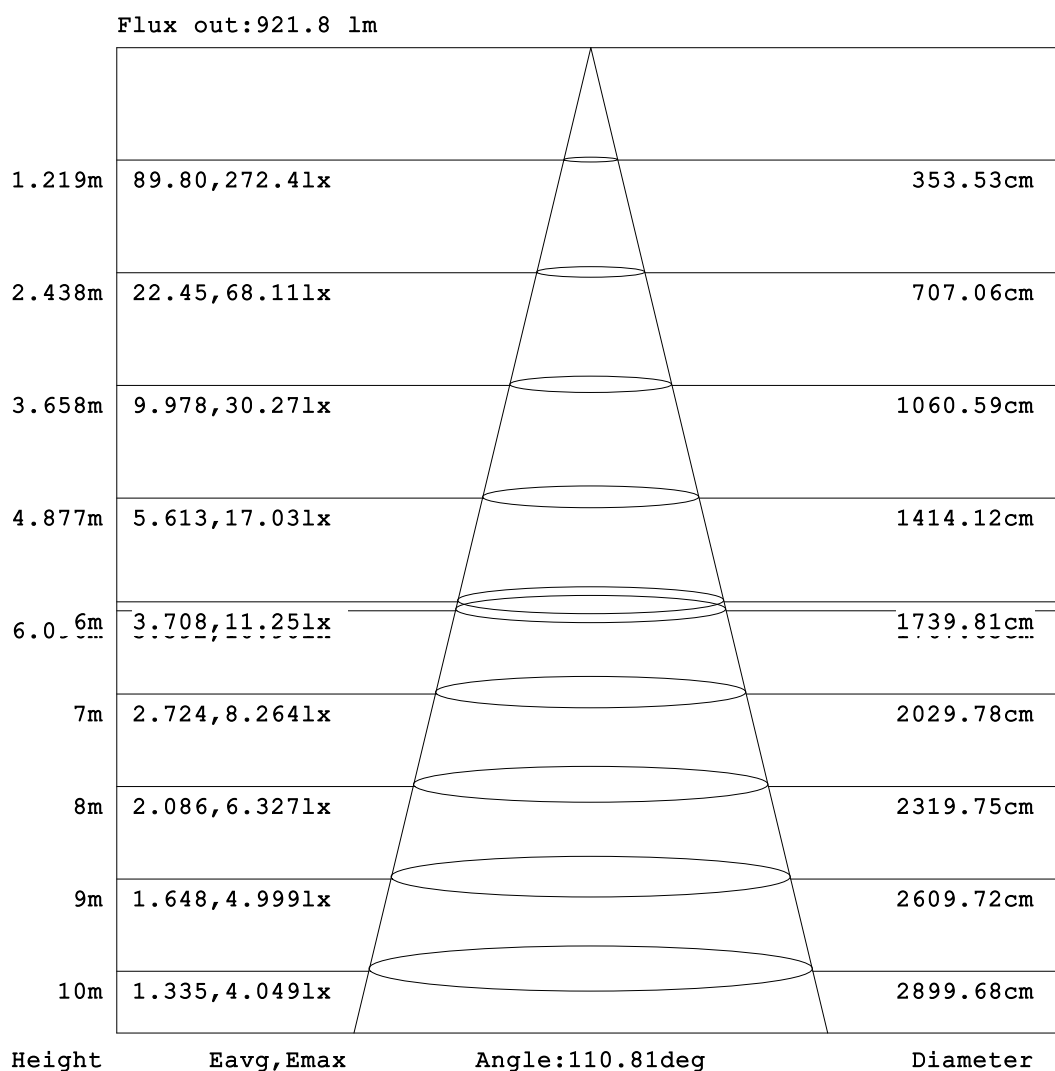


C Range: 0 - 360DEG
C Interval: 90.0DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:DAMIN
Test Date:04 February 2026

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:120.01V I:0.2150A P:24.265W PF:0.9406 Freq:59.98Hz Lamp Flux:1798.42x1 lm		
NAME: WS24-033B-金色 24W 35K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.: 1
MFR.: EVERFINE	SUR.:	Shielding Angle:



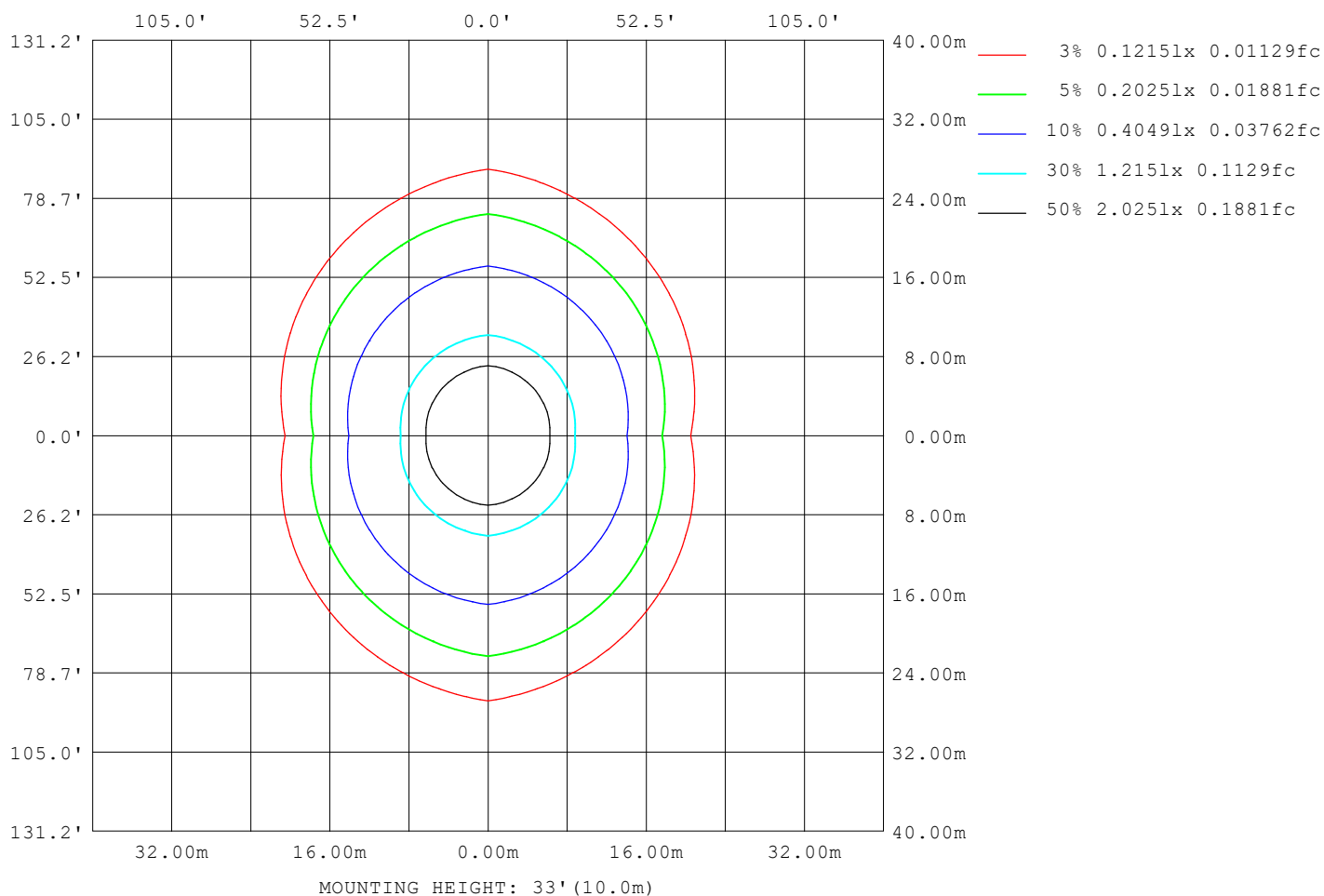
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

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:120.01V I:0.2150A P:24.265W PF:0.9406 Freq:59.98Hz Lamp Flux:1798.42x1 lm		
NAME: WS24-033B-金色 24W 35K	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:120.01V I:0.2150A P:24.265W PF:0.9406 Freq:59.98Hz Lamp Flux:1798.42x1 lm		
NAME: WS24-033B-金色 24W 35K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.: 1
MFR.: EVERFINE	SUR.:	Shielding Angle:

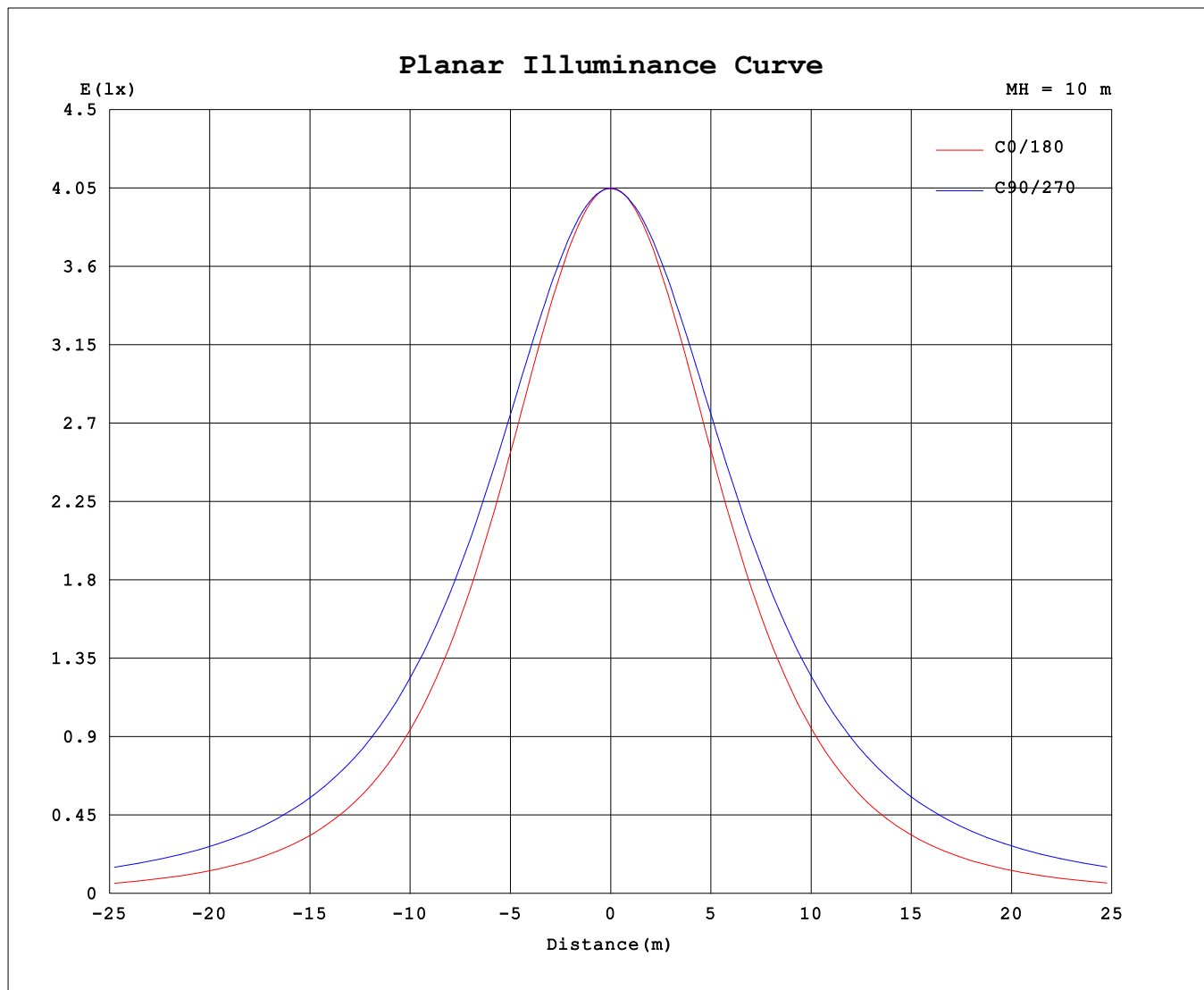
AvgL	cd/m2
L_0~180 (65) av	3246
L_0~180 (75) av	2633
L_0~180 (85) av	1675
L_90~270 (65) av	7102
L_90~270 (75) av	10399
L_90~270 (85) av	26584
L_45 (65) av	5657
L_45 (75) av	7488
L_45 (85) av	17245

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:120.01V I:0.2150A P:24.265W PF:0.9406 Freq:59.98Hz Lamp Flux:1798.42x1 lm		
NAME: WS24-033B-金色 24W 35K	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	405	405	405	405														
5	403	404	403	404														
10	397	402	398	401														
15	388	398	389	398														
20	375	393	377	393														
25	359	387	361	387														
30	340	379	342	380														
35	318	371	321	372														
40	293	361	296	363														
45	266	350	269	353														
50	237	338	239	342														
55	205	326	206	329														
60	171	312	172	316														
65	137	298	138	302														
70	101	283	103	287														
75	67.6	267	68.7	271														
80	37.5	248	38.0	253														
85	14.4	228	14.8	235														
90	6.06	210	6.39	215														
95	6.80	156	7.29	159														
100	7.84	94.9	8.08	94.4														
105	9.32	70.1	9.37	75.9														
110	11.1	86.8	11.4	88.0														
115	13.2	58.0	13.3	59.7														
120	15.0	46.6	15.3	47.4														
125	15.9	41.4	15.8	40.1														
130	16.3	37.1	15.9	37.7														
135	16.3	33.7	16.3	31.2														
140	18.1	32.0	18.2	26.7														
145	18.8	31.6	18.9	24.7														
150	17.9	23.1	18.2	24.1														
155	17.4	21.4	17.8	22.0														
160	16.5	20.6	16.8	20.8														
165	15.8	24.7	16.1	25.2														
170	17.6	20.7	17.4	22.8														
175	20.6	14.1	20.1	15.5														
180	22.1	15.5	22.1	15.5														

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: