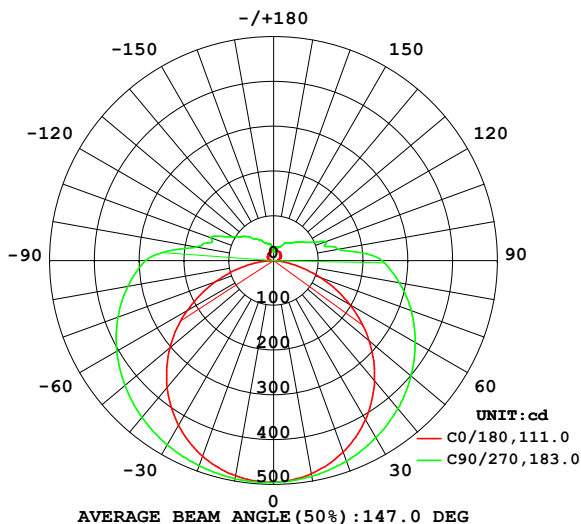


LUMINAIRE PHOTOMETRIC TEST REPORT

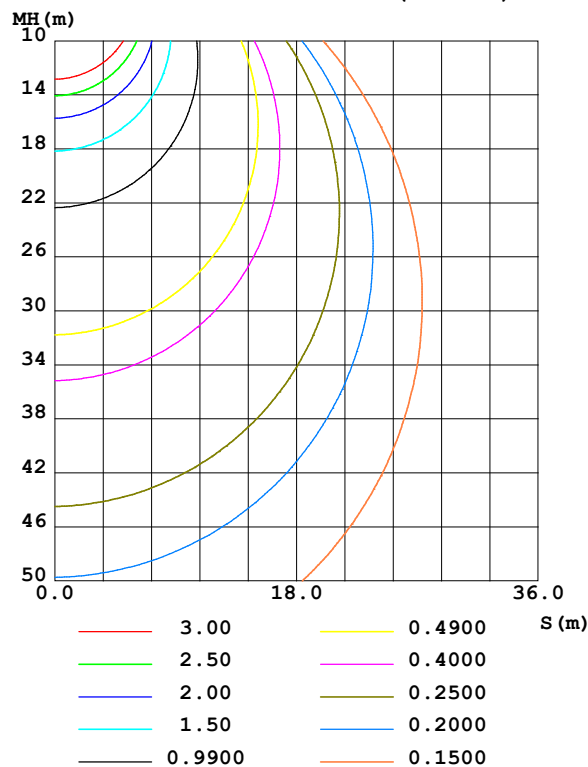
Test:U:119.85V I:0.2671A P:29.964W PF:0.9359 Freq:59.98Hz Lamp Flux:2291.78x1 lm		
NAME: WS36-033B-BK 30W 30K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.: 1
MFR.: EVERFINE	SUR.:	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA				Eff: 76.48 lm/W
MODEL	3000K	I _{max} (cd)	495.9	S/MH(C0/180)	1.27	
NOMINAL POWER(W)	30	LOR(%)	100.0	S/MH(C90/270)	1.45	
RATED VOLTAGE(V)	120	TOTAL FLUX(lm)	2291.8	η UP,DN(C0-180)	7.9,39.5	
NOMINAL FLUX(lm)	2291.78	CIE CLASS	SEMI-D.	η UP,DN(C180-360)	9.4,43.2	
LAMPS INSIDE	1	η up(%)	17.3	CIBSE SHR NOM	1.50	
TEST VOLTAGE(V)	120	η down(%)	82.7	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: 10 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	483.2	489.2	488.1	494.2					0- 10	46.95	46.95	2.05,2.05
20	454.8	476.2	464.6	487.3					10- 20	136.0	182.9	7.98,7.98
30	410.3	456.7	425.1	475.2					20- 30	211.2	394.1	17.2,17.2
40	350.9	431.6	370.2	457.1					30- 40	265.1	659.3	28.8,28.8
50	278.8	400.7	302.1	433.6					40- 50	292.8	952.1	41.5,41.5
60	196.8	365.2	222.0	404.4					50- 60	292.0	1244	54.3,54.3
70	110.3	326.9	137.8	370.1					60- 70	264.6	1509	65.8,65.8
80	35.10	285.0	57.41	330.2					70- 80	217.8	1727	75.3,75.3
90	8.264	242.5	9.094	286.4					80- 90	168.1	1895	82.7,82.7
100	10.74	147.5	9.562	175.9					90-100	123.0	2018	88,88
110	15.22	123.7	13.34	150.1					100-110	81.98	2100	91.6,91.6
120	17.81	82.53	15.84	106.4					110-120	65.09	2165	94.5,94.5
130	19.90	64.35	17.33	84.63					120-130	45.61	2210	96.4,96.4
140	22.32	51.34	19.27	63.04					130-140	32.85	2243	97.9,97.9
150	23.08	37.97	20.18	50.83					140-150	23.32	2267	98.9,98.9
160	23.63	31.49	20.73	40.38					150-160	14.21	2281	99.5,99.5
170	27.91	26.67	26.42	37.00					160-170	8.419	2289	99.9,99.9
180	30.78	20.01	30.79	19.97					170-180	2.610	2292	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

Conical surface Flux(90deg): 803.99 lm

%lum = 35.1%

%lamp = 35.1%

Conical surface Flux(120deg): 1244.1 lm

%lum = 54.3%

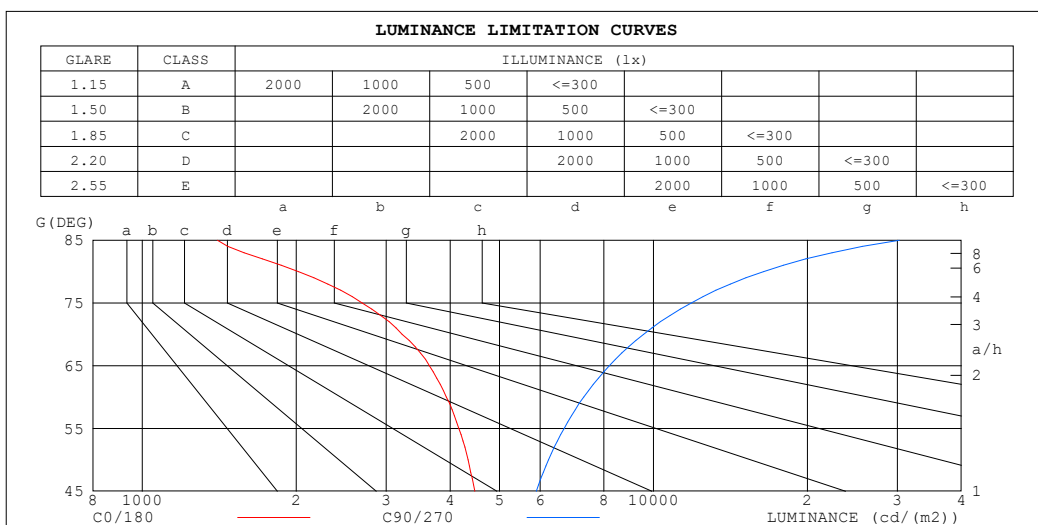
%lamp = 54.3%

C Range: 0 - 360DEG
C Interval: 90.0DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:DAMIN
Test Date:10 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:119.85V I:0.2671A P:29.964W PF:0.9359 Freq:59.98Hz Lamp Flux:2291.78x1 lm		
NAME: WS36-033B-BK 30W 30K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.: 1
MFR.: EVERFINE	SUR.:	Shielding Angle:



LUMINANCE cd/(m2)		
G (DEG)	C0/180	C90/270
85	1403	30265
80	2021	16414
75	2693	11854
70	3225	9558
65	3644	8198
60	3936	7304
55	4160	6684
50	4337	6233
45	4474	5896

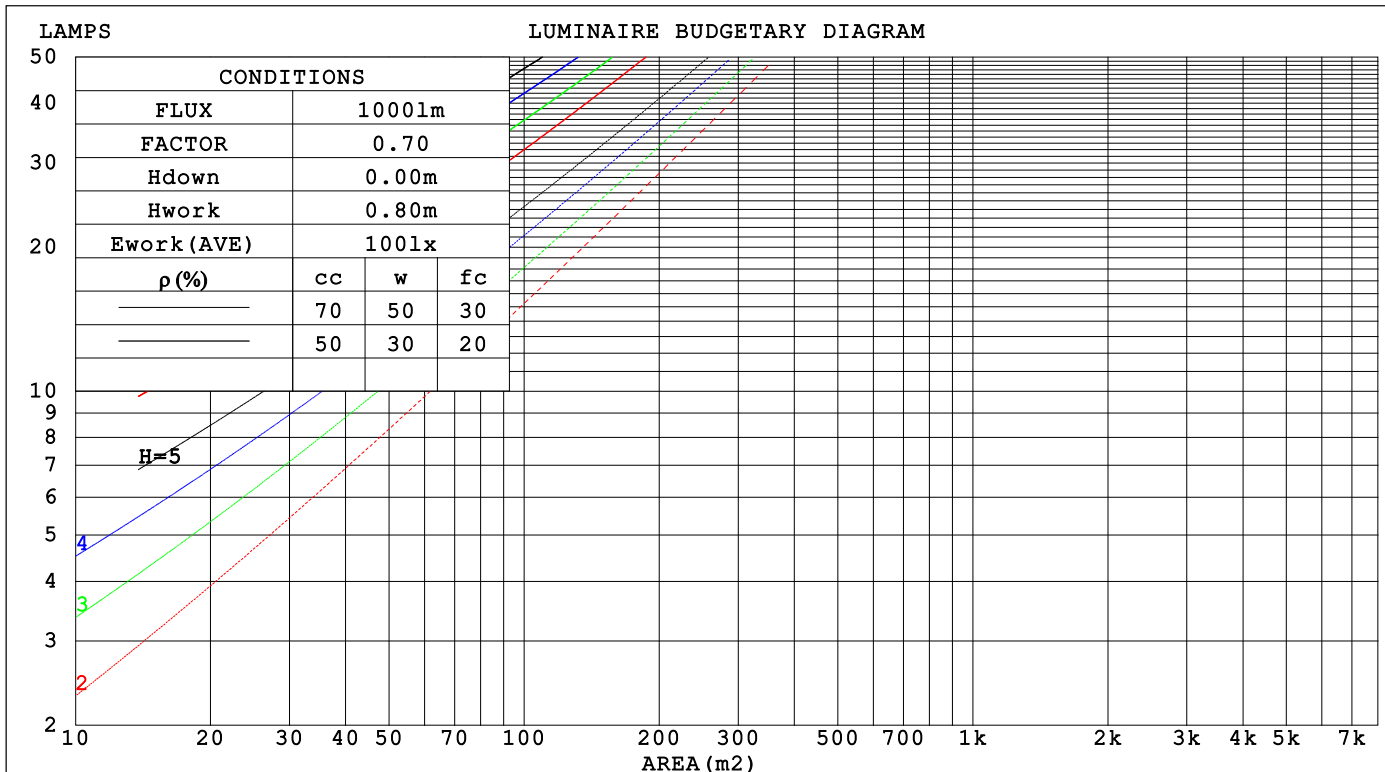
C Range: 0 - 360DEG
C Interval: 90.0DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:DAMIN
Test Date:10 February 2026

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:119.85V I:0.2671A P:29.964W PF:0.9359 Freq:59.98Hz Lamp Flux:2291.78x1 lm		
NAME: WS36-033B-BK 30W 30K	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:10 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:119.85V I:0.2671A P:29.964W PF:0.9359 Freq:59.98Hz Lamp Flux:2291.78x1 lm		
NAME: WS36-033B-BK 30W 30K	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	.384	.219	.069	.372	.212	.067	.348	.200	.064	.327	.189	.061	.307	.178	.057		
2.0	.333	.183	.056	.322	.177	.055	.301	.167	.052	.281	.158	.049	.263	.149	.047		
3.0	.296	.158	.047	.286	.153	.046	.267	.145	.044	.249	.137	.042	.233	.129	.040		
4.0	.267	.139	.041	.258	.135	.040	.240	.128	.038	.224	.120	.036	.209	.114	.035		
5.0	.243	.124	.036	.234	.120	.035	.219	.114	.034	.204	.108	.032	.190	.102	.031		
6.0	.222	.112	.032	.215	.109	.031	.201	.103	.030	.187	.097	.029	.175	.092	.027		
7.0	.205	.101	.029	.198	.099	.028	.185	.094	.027	.173	.089	.026	.161	.084	.025		
8.0	.190	.093	.026	.184	.091	.026	.172	.086	.025	.161	.081	.023	.150	.077	.022		
9.0	.177	.086	.024	.172	.084	.023	.160	.079	.022	.150	.075	.022	.140	.071	.021		
10.0	.166	.080	.022	.161	.078	.022	.150	.074	.021	.141	.070	.020	.132	.066	.019		

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	.322	.322	.322	.276	.276	.276	.188	.188	.188	.108	.108	.108	.035	.035	.035		
1.0	.319	.289	.262	.273	.248	.225	.186	.170	.156	.107	.099	.091	.034	.032	.029		
2.0	.312	.266	.227	.267	.229	.196	.183	.158	.137	.106	.092	.080	.034	.030	.026		
3.0	.304	.249	.205	.261	.215	.178	.179	.149	.125	.103	.087	.074	.033	.028	.024		
4.0	.297	.237	.191	.254	.205	.166	.175	.143	.117	.101	.083	.069	.033	.027	.023		
5.0	.289	.227	.181	.248	.196	.158	.171	.137	.111	.099	.081	.066	.032	.026	.022		
6.0	.281	.219	.174	.242	.190	.152	.167	.133	.107	.097	.078	.064	.031	.026	.021		
7.0	.274	.212	.169	.236	.184	.147	.163	.129	.104	.095	.076	.062	.031	.025	.021		
8.0	.268	.207	.165	.230	.179	.144	.159	.126	.102	.093	.074	.061	.030	.024	.020		
9.0	.261	.202	.162	.225	.175	.141	.156	.123	.100	.091	.073	.060	.029	.024	.020		
10.0	.256	.198	.159	.220	.172	.139	.153	.121	.099	.089	.071	.059	.029	.023	.020		

C Range: 0 - 360DEG

C Interval: 90.0DEG

Test Speed: HIGH

Temperature:25.3℃

Operators:DAMIN

Test Date:10 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:119.85V I:0.2671A P:29.964W PF:0.9359 Freq:59.98Hz Lamp Flux:2291.78x1 lm										
NAME: WS36-033B-BK 30W 30K						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	13.5	14.9	14.0	15.4	16.0	15.7	17.1	16.2	17.6	18.1
3H	14.9	16.2	15.4	16.7	17.3	18.4	19.7	18.9	20.2	20.8
4H	15.4	16.6	15.9	17.1	17.8	19.9	21.2	20.5	21.7	22.3
6H	15.7	16.8	16.2	17.4	18.0	21.7	22.8	22.2	23.4	24.0
8H	15.7	16.8	16.3	17.4	18.1	22.6	23.7	23.2	24.3	25.0
12H	15.7	16.8	16.3	17.4	18.1	23.7	24.8	24.3	25.4	26.1
4H 2H	14.6	15.8	15.1	16.4	17.0	16.2	17.4	16.7	17.9	18.5
3H	16.3	17.3	16.8	17.9	18.6	19.1	20.2	19.7	20.7	21.4
4H	16.9	17.9	17.6	18.5	19.2	20.8	21.8	21.4	22.4	23.1
6H	17.4	18.3	18.1	18.9	19.7	22.7	23.6	23.4	24.2	25.0
8H	17.6	18.4	18.2	19.1	19.8	23.8	24.6	24.5	25.3	26.0
12H	17.7	18.4	18.3	19.1	19.9	25.1	25.8	25.7	26.5	27.3
8H 4H	17.9	18.7	18.6	19.4	20.1	21.0	21.9	21.7	22.5	23.3
6H	18.8	19.5	19.5	20.2	20.9	23.2	23.9	23.9	24.6	25.4
8H	19.1	19.8	19.8	20.5	21.3	24.5	25.1	25.2	25.8	26.6
12H	19.4	20.0	20.1	20.7	21.5	26.0	26.6	26.7	27.3	28.1
12H 4H	18.2	19.0	18.9	19.7	20.4	21.0	21.8	21.7	22.5	23.2
6H	19.3	19.9	20.0	20.6	21.4	23.3	23.9	24.0	24.6	25.4
8H	19.9	20.4	20.6	21.1	21.9	24.7	25.2	25.4	25.9	26.8
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	+ 0.2 / - 0.5					+ 0.2 / - 0.3				

CIE Pub.117, 2292 lm Total Lamp Luminous Flux Correct (8log(F/F0) = 2.9)
Area: 0.1 m2

C Range: 0 - 360DEG
C Interval: 90.0DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:DAMIN
Test Date:10 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:119.85V I:0.2671A P:29.964W PF:0.9359 Freq:59.98Hz Lamp Flux:2291.78x1 lm		
NAME: WS36-033B-BK 30W 30K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.: 1
MFR.: EVERFINE	SUR.:	Shielding Angle:

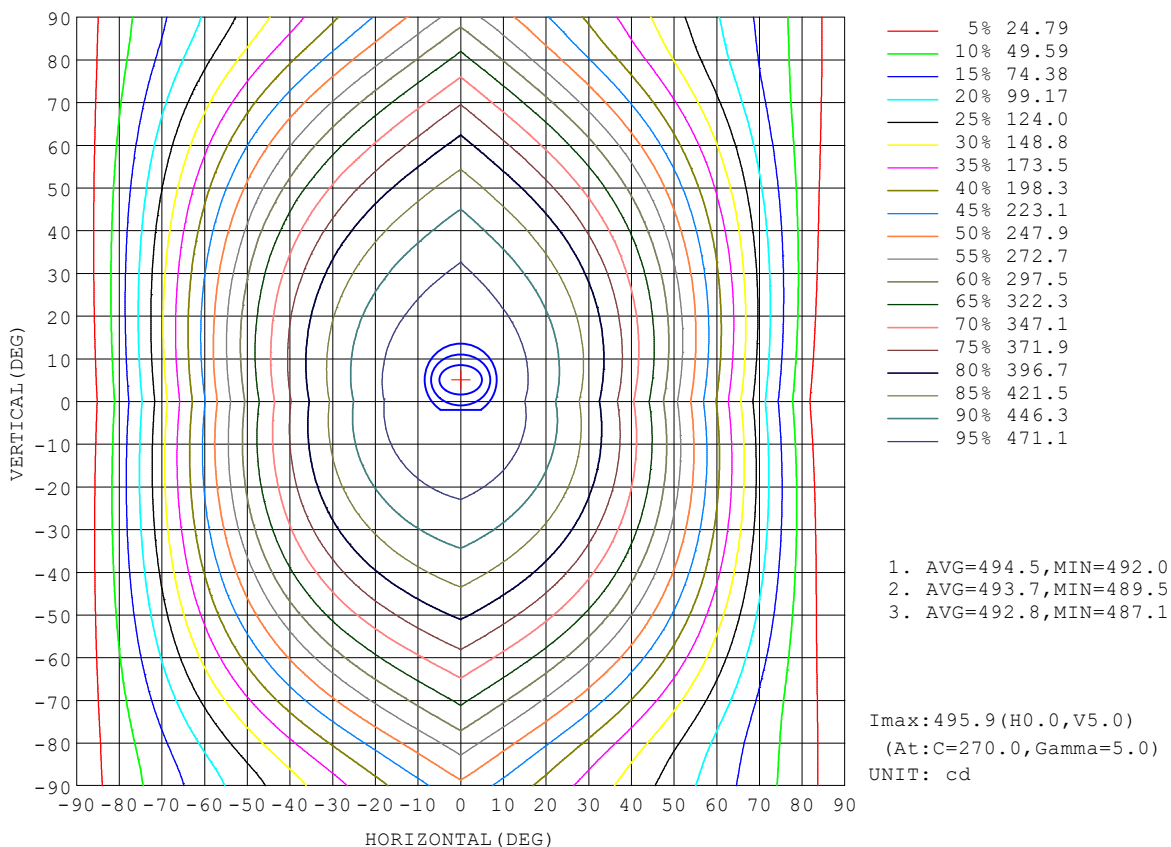
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS (PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	48	35	28	47	35	28	45	34	27	21
0.80	57	44	36	55	43	36	53	42	35	27
1.00	65	52	44	63	51	43	59	51	42	33
1.25	72	59	51	69	58	50	65	55	48	39
1.50	77	65	56	74	63	55	69	60	53	43
2.00	84	73	65	81	71	64	76	67	61	49
2.50	89	79	71	85	76	69	79	72	66	53
3.00	92	83	76	89	81	74	82	76	70	57
4.00	97	89	83	93	86	80	86	81	76	61
5.00	100	93	87	96	90	85	89	84	79	65
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°C
Operators: DAMIN
Test Date: 10 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:119.85V I:0.2671A P:29.964W PF:0.9359 Freq:59.98Hz Lamp Flux:2291.78x1 lm		
NAME: WS36-033B-BK 30W 30K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.: 1
MFR.: EVERFINE	SUR.:	Shielding Angle:

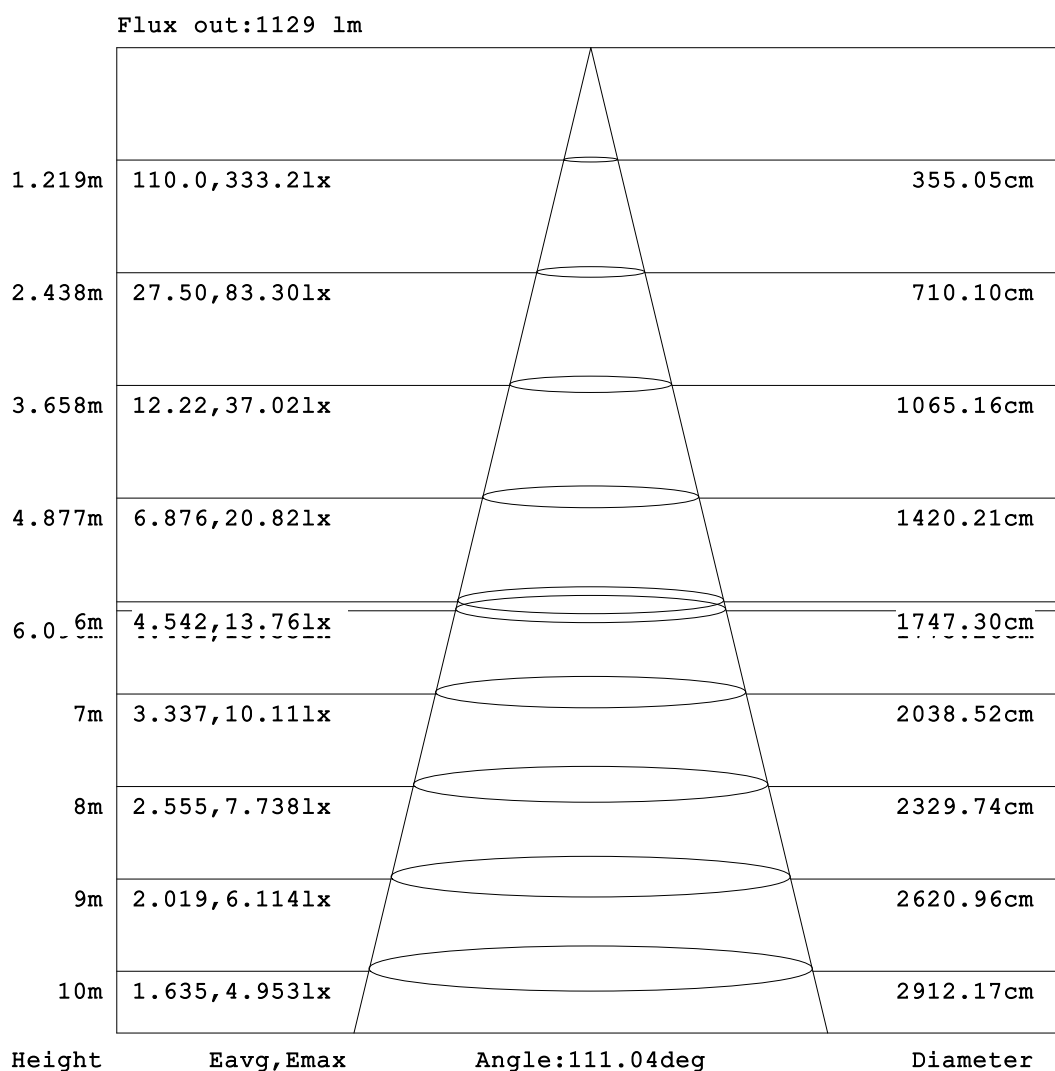


C Range: 0 - 360DEG
C Interval: 90.0DEG
Test Speed: HIGH
Temperature: 25.3°C
Operators: DAMIN
Test Date: 10 February 2026

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:119.85V I:0.2671A P:29.964W PF:0.9359 Freq:59.98Hz Lamp Flux:2291.78x1 lm		
NAME: WS36-033B-BK 30W 30K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.: 1
MFR.: EVERFINE	SUR.:	Shielding Angle:



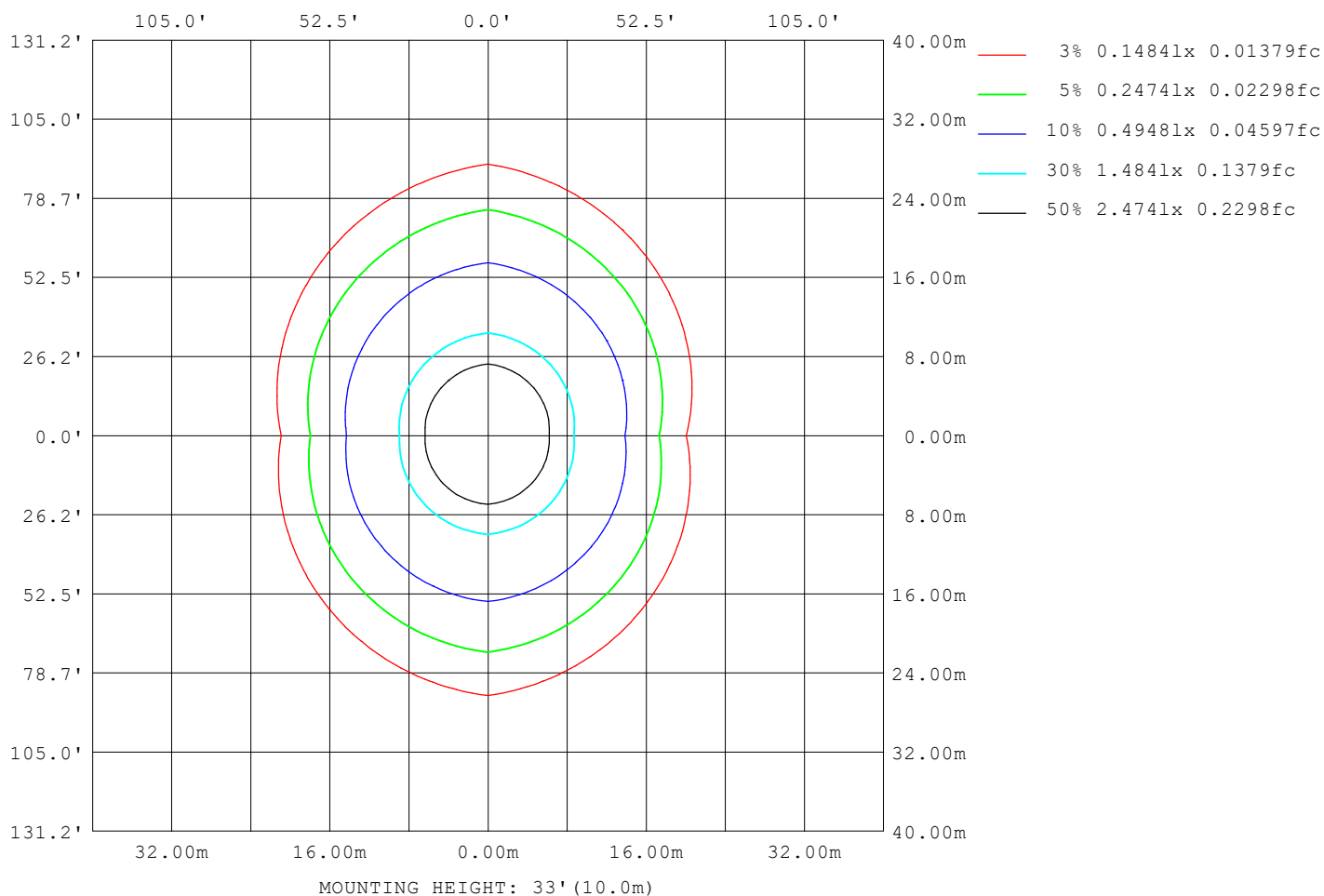
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
C Interval: 90.0DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:DAMIN
Test Date:10 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:119.85V I:0.2671A P:29.964W PF:0.9359 Freq:59.98Hz Lamp Flux:2291.78x1 lm		
NAME: WS36-033B-BK 30W 30K	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: 10 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:119.85V I:0.2671A P:29.964W PF:0.9359 Freq:59.98Hz Lamp Flux:2291.78x1 lm		
NAME: WS36-033B-BK 30W 30K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.: 1
MFR.: EVERFINE	SUR.:	Shielding Angle:

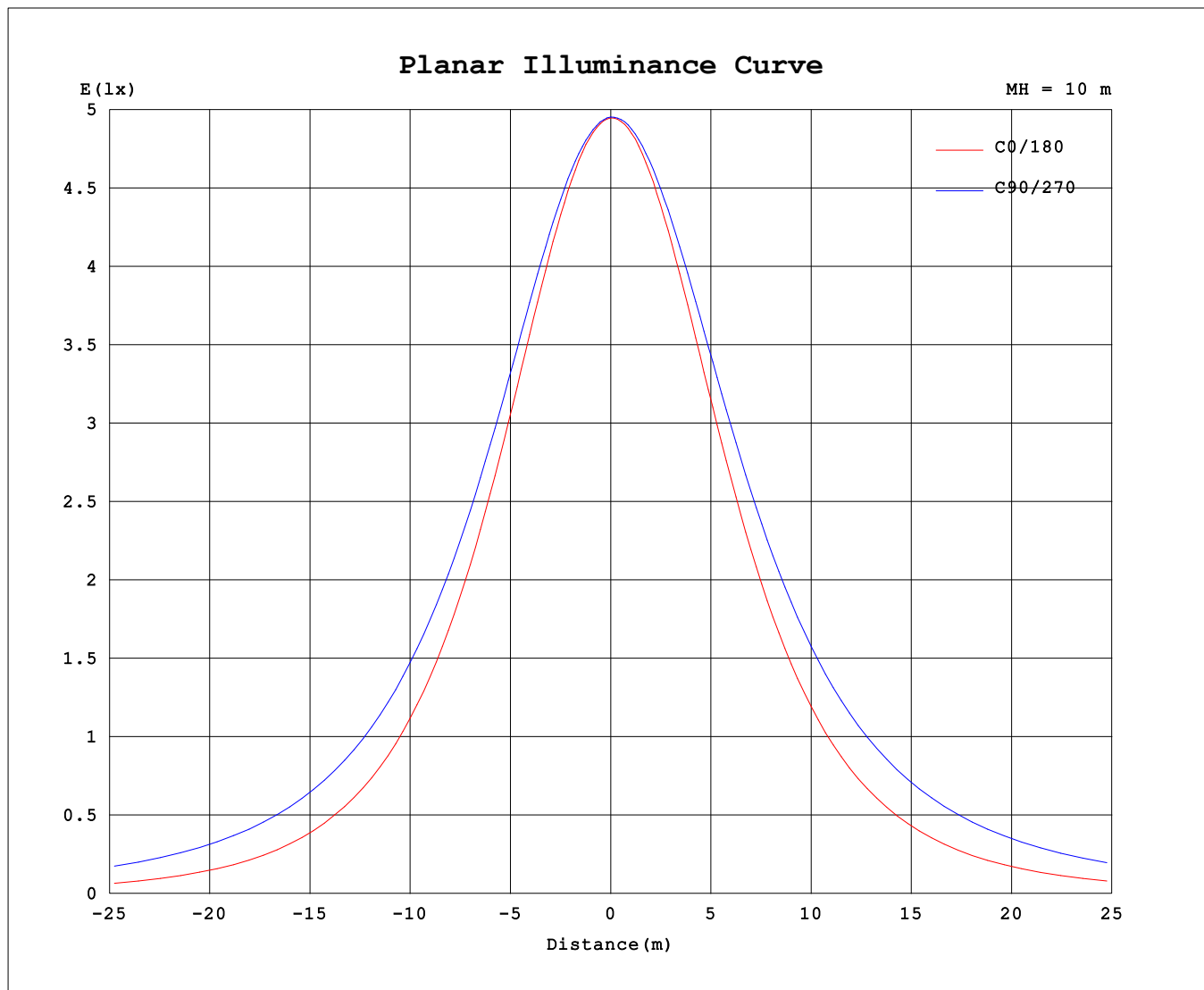
AvgL	cd/m2
L_0~180 (65) av	3954
L_0~180 (75) av	3204
L_0~180 (85) av	2168
L_90~270 (65) av	8689
L_90~270 (75) av	12704
L_90~270 (85) av	32851
L_45 (65) av	6933
L_45 (75) av	9173
L_45 (85) av	21393

Standard: GB/T 29293-2012

C Range: 0 - 360DEG
C Interval: 90.0DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:DAMIN
Test Date:10 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: 10 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:119.85V I:0.2671A P:29.964W PF:0.9359 Freq:59.98Hz Lamp Flux:2291.78x1 lm		
NAME: WS36-033B-BK 30W 30K	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	495	495	495	495														
5	491	493	494	496														
10	483	489	488	494														
15	471	484	478	491														
20	455	476	465	487														
25	434	467	447	482														
30	410	457	425	475														
35	382	445	399	467														
40	351	432	370	457														
45	316	417	338	446														
50	279	401	302	434														
55	239	383	264	419														
60	197	365	222	404														
65	154	346	180	388														
70	110	327	138	370														
75	69.7	307	96.2	351														
80	35.1	285	57.4	330														
85	12.2	264	25.6	309														
90	8.26	243	9.09	286														
95	9.18	199	8.75	239														
100	10.7	147	9.56	176														
105	12.8	123	11.1	154														
110	15.2	124	13.3	150														
115	17.0	98.4	15.3	130														
120	17.8	82.5	15.8	106														
125	19.3	73.0	16.7	92.9														
130	19.9	64.4	17.3	84.6														
135	20.6	56.9	17.7	74.1														
140	22.3	51.3	19.3	63.0														
145	23.2	48.0	20.3	56.4														
150	23.1	38.0	20.2	50.8														
155	23.3	34.5	20.2	44.3														
160	23.6	31.5	20.7	40.4														
165	26.0	31.9	23.7	39.3														
170	27.9	26.7	26.4	37.0														
175	29.8	19.1	28.8	26.5														
180	30.8	20.0	30.8	20.0														

C Range: 0 - 360DEG

C Interval: 90.0DEG

Test Speed: HIGH

Temperature:25.3℃

Operators:DAMIN

Test Date:10 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: