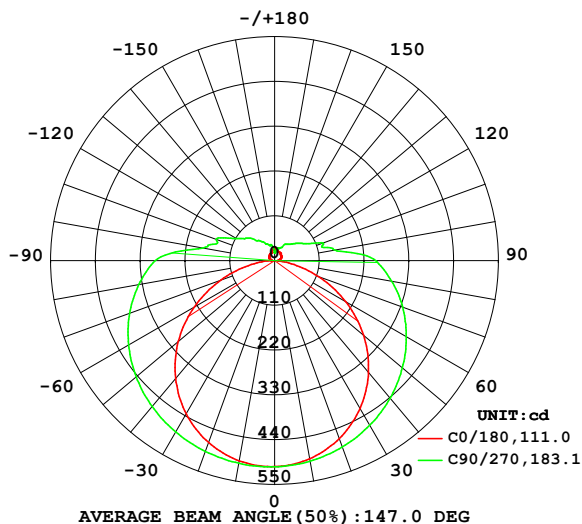


LUMINAIRE PHOTOMETRIC TEST REPORT

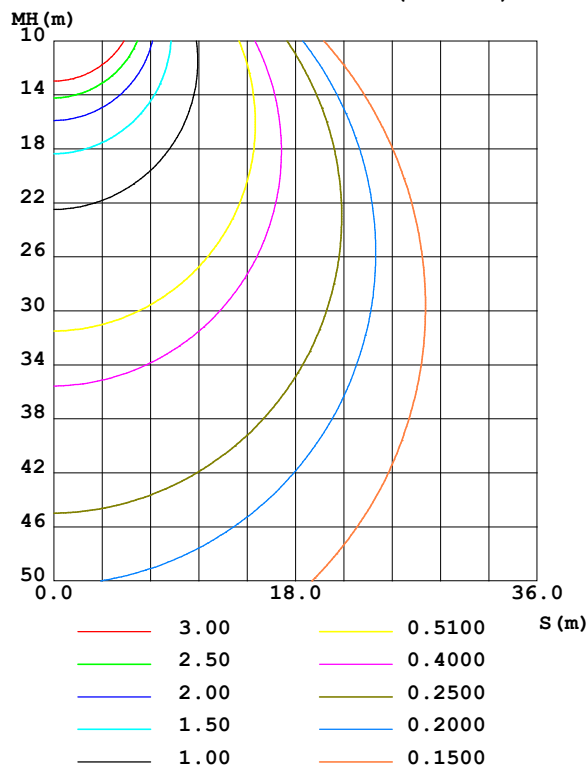
Test:U:119.86V I:0.2665A P:29.855W PF:0.9348 Freq:59.98Hz Lamp Flux:2345.21x1 lm		
NAME: WS36-033B-BK 30W 35K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.: 1
MFR.: EVERFINE	SUR.:	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 78.55 lm/W			
MODEL	3500K	I _{max} (cd)	507.1	S/MH(C0/180)	1.28
NOMINAL POWER(W)	30	LOR(%)	100.0	S/MH(C90/270)	1.45
RATED VOLTAGE(V)	120	TOTAL FLUX(lm)	2345.2	η UP,DN(C0-180)	7.9,39.5
NOMINAL FLUX(lm)	2345.21	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℃
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	494.3	500.5	499.7	505.4					0- 10	48.02	48.02	2.05,2.05
20	465.6	487.0	475.4	498.7					10- 20	139.1	187.1	7.98,7.98
30	419.9	467.2	434.6	486.3					20- 30	216.0	403.2	17.2,17.2
40	359.0	441.6	378.7	467.9					30- 40	271.3	674.4	28.8,28.8
50	285.3	409.7	309.0	444.0					40- 50	299.6	974.1	41.5,41.5
60	201.7	373.6	227.0	414.2					50- 60	298.9	1273	54.3,54.3
70	113.1	334.7	140.9	378.8					60- 70	270.8	1544	65.8,65.8
80	35.87	291.7	58.68	338.3					70- 80	223.0	1767	75.3,75.3
90	8.438	248.4	9.280	293.6					80- 90	172.1	1939	82.7,82.7
100	10.99	150.9	9.775	180.2					90-100	126.0	2065	88,88
110	15.56	126.5	13.63	153.5					100-110	83.87	2149	91.6,91.6
120	18.22	84.32	16.20	108.8					110-120	66.62	2215	94.5,94.5
130	20.36	65.71	17.70	86.57					120-130	46.63	2262	96.5,96.5
140	22.88	52.39	19.70	64.44					130-140	33.58	2296	97.9,97.9
150	23.64	38.72	20.62	52.00					140-150	23.84	2319	98.9,98.9
160	24.19	32.09	21.19	41.23					150-160	14.51	2334	99.5,99.5
170	28.62	27.24	26.99	37.81					160-170	8.600	2343	99.9,99.9
180	31.56	20.45	31.53	20.43					170-180	2.667	2345	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

Conical surface Flux(90deg): 822.53 lm

%lum = 35.1%

%lamp = 35.1%

Conical surface Flux(120deg): 1273 lm

%lum = 54.3%

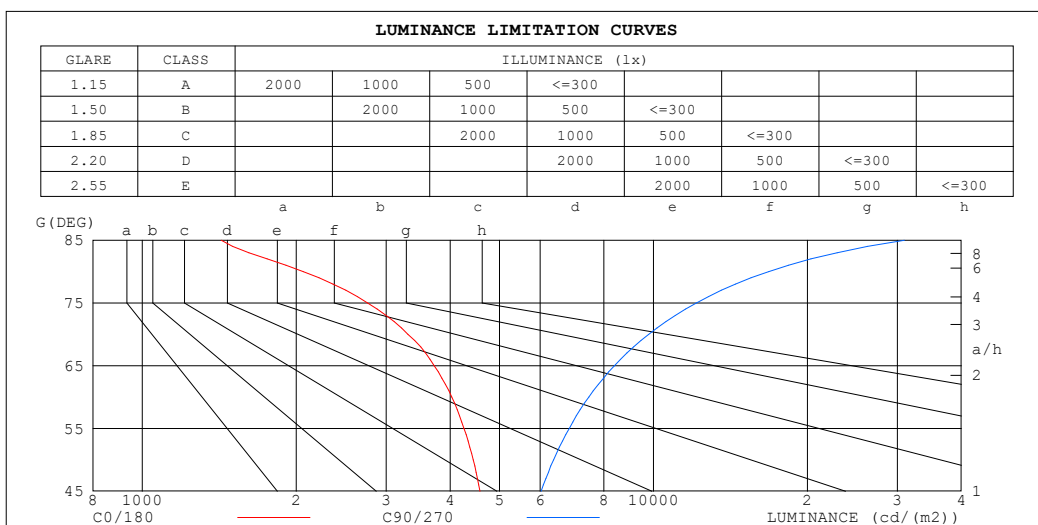
%lamp = 54.3%

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:119.86V I:0.2665A P:29.855W PF:0.9348 Freq:59.98Hz Lamp Flux:2345.21x1 lm		
NAME: WS36-033B-BK 30W 35K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.: 1
MFR.: EVERFINE	SUR.:	Shielding Angle:



LUMINANCE cd/(m2)		
G (DEG)	C0/180	C90/270
85	1427	30985
80	2066	16800
75	2760	12136
70	3308	9787
65	3725	8389
60	4033	7471
55	4258	6841
50	4438	6374
45	4576	6031

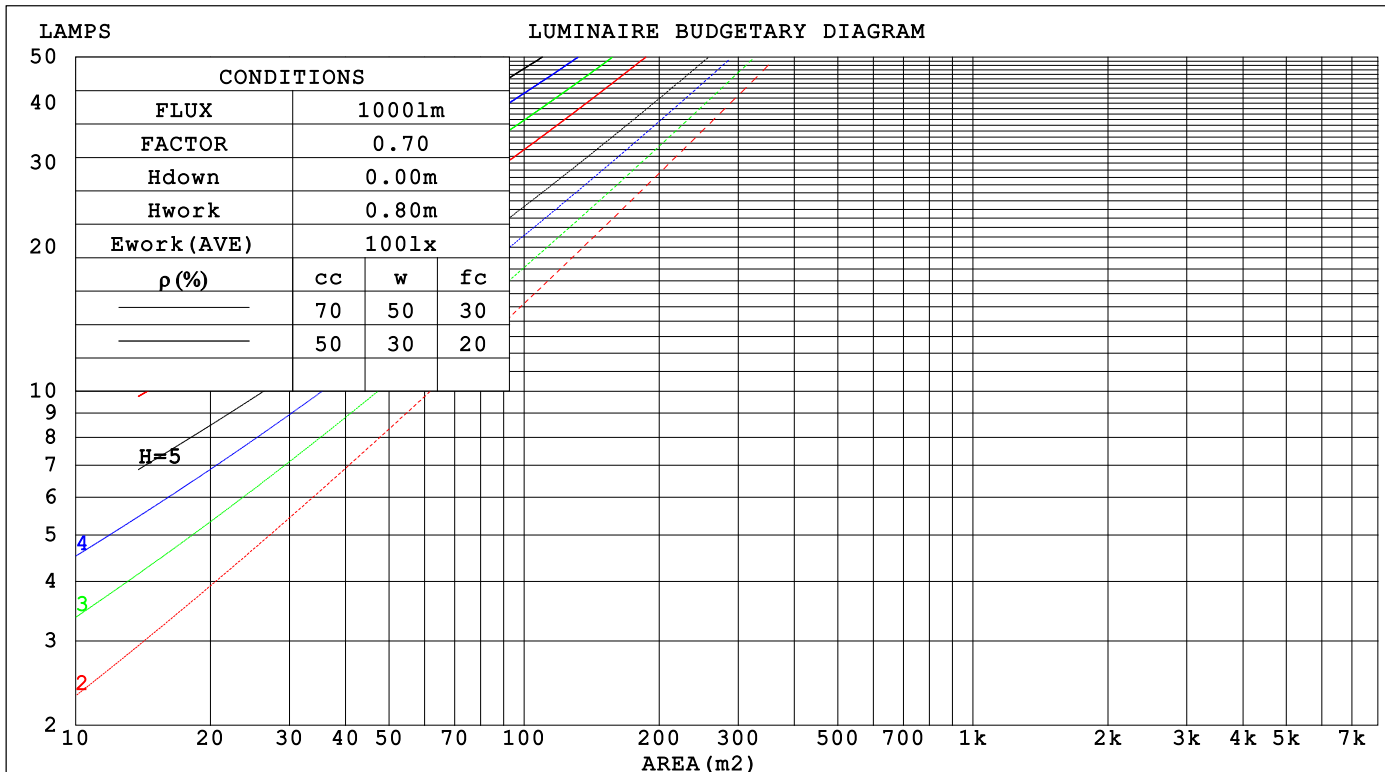
C Range: 0 - 360DEG
C Interval: 90.0DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:DAMIN
Test Date:10 February 2026

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:119.86V I:0.2665A P:29.855W PF:0.9348 Freq:59.98Hz Lamp Flux:2345.2lx1 lm		
NAME: WS36-033B-BK 30W 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															



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:119.86V I:0.2665A P:29.855W PF:0.9348 Freq:59.98Hz Lamp Flux:2345.21x1 lm		
NAME: WS36-033B-BK 30W 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	.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	.297	.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	.255	.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:119.86V I:0.2665A P:29.855W PF:0.9348 Freq:59.98Hz Lamp Flux:2345.21x1 lm										
NAME: WS36-033B-BK 30W 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	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	20.2	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	22.0	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, 2345 lm Total Lamp Luminous Flux Correct (8log(F/F0) = 3.0)
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:119.86V I:0.2665A P:29.855W PF:0.9348 Freq:59.98Hz Lamp Flux:2345.21x1 lm		
NAME: WS36-033B-BK 30W 35K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.: 1
MFR.: EVERFINE	SUR.:	Shielding Angle:

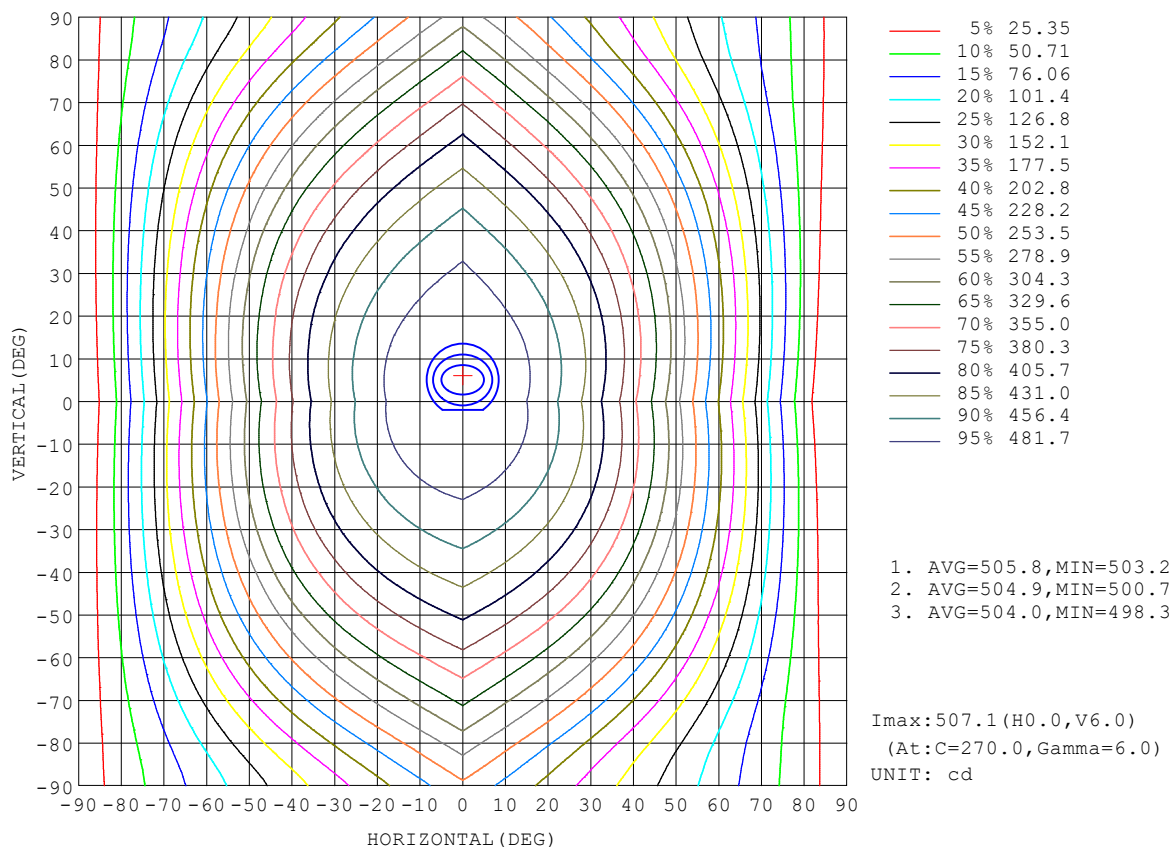
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS (PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	48	35	28	47	35	28	45	34	27	21
0.80	57	44	36	55	43	36	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℃
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:119.86V I:0.2665A P:29.855W PF:0.9348 Freq:59.98Hz Lamp Flux:2345.21x1 lm		
NAME: WS36-033B-BK 30W 35K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.: 1
MFR.: EVERFINE	SUR.:	Shielding Angle:

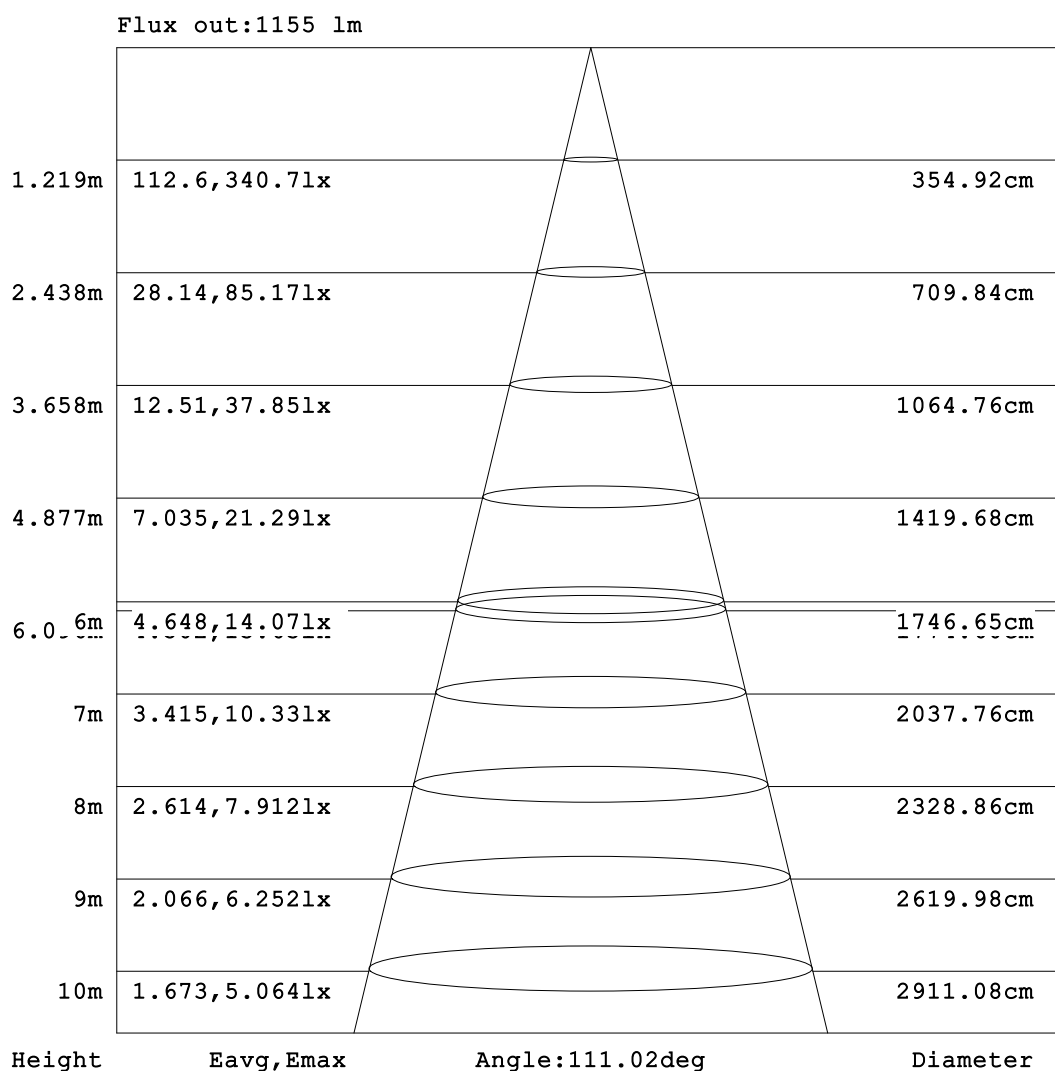


C Range: 0 - 360DEG
C Interval: 90.0DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:DAMIN
Test Date:10 February 2026

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:119.86V I:0.2665A P:29.855W PF:0.9348 Freq:59.98Hz Lamp Flux:2345.2lx1 lm		
NAME: WS36-033B-BK 30W 35K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.: 1
MFR.: EVERFINE	SUR.:	Shielding Angle:



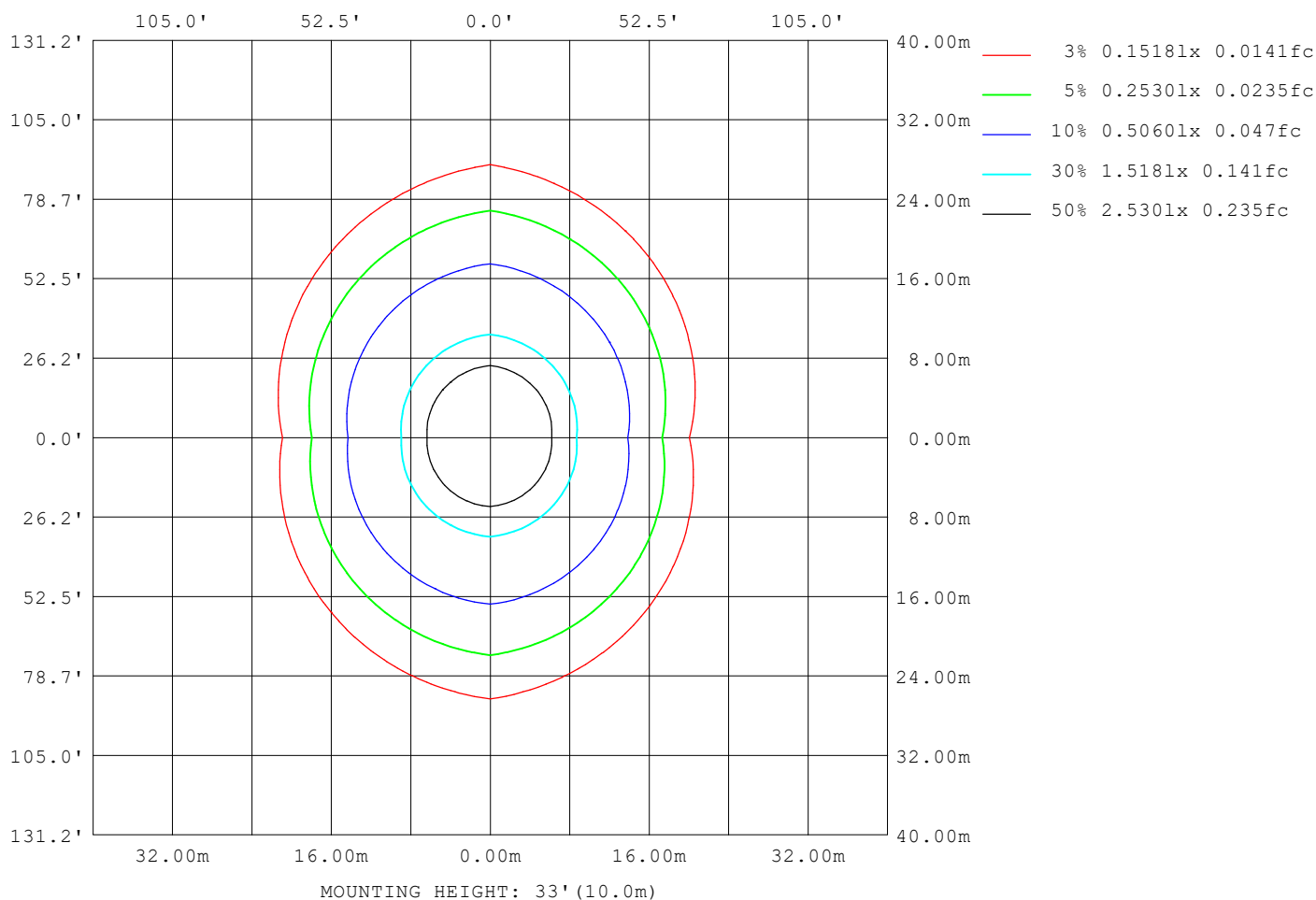
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
C Interval: 90.0DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:DAMIN
Test Date: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:119.86V I:0.2665A P:29.855W PF:0.9348 Freq:59.98Hz Lamp Flux:2345.21x1 lm		
NAME: WS36-033B-BK 30W 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: 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:119.86V I:0.2665A P:29.855W PF:0.9348 Freq:59.98Hz Lamp Flux:2345.21x1 lm		
NAME: WS36-033B-BK 30W 35K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.: 1
MFR.: EVERFINE	SUR.:	Shielding Angle:

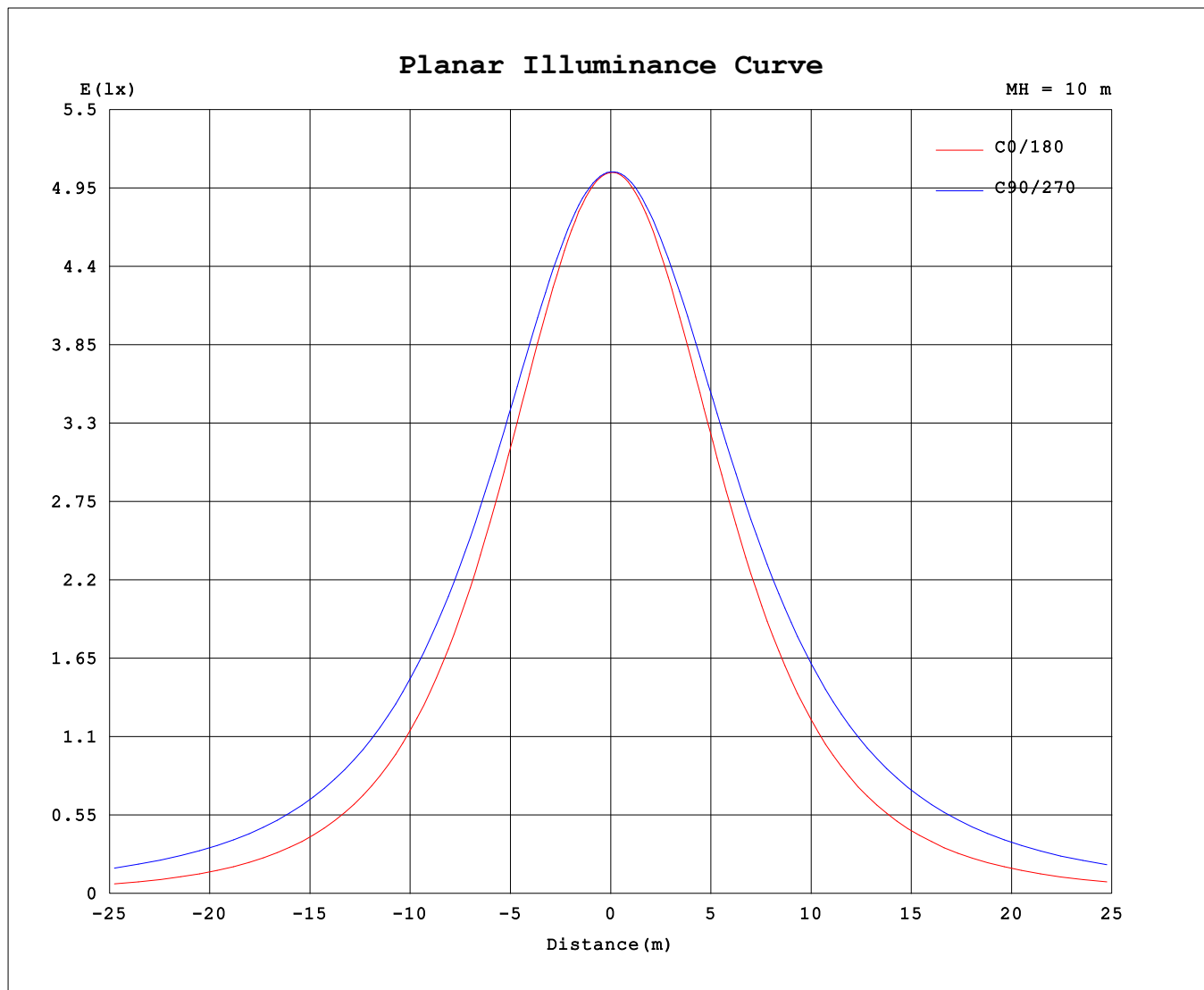
AvgL	cd/m2
L_0~180 (65) av	4043
L_0~180 (75) av	3278
L_0~180 (85) av	2211
L_90~270 (65) av	8894
L_90~270 (75) av	13013
L_90~270 (85) av	33659
L_45 (65) av	7094
L_45 (75) av	9395
L_45 (85) av	21915

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:119.86V I:0.2665A P:29.855W PF:0.9348 Freq:59.98Hz Lamp Flux:2345.21x1 lm		
NAME: WS36-033B-BK 30W 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	506	506	506	506														
5	502	504	505	507														
10	494	501	500	505														
15	482	495	490	503														
20	466	487	475	499														
25	444	478	457	493														
30	420	467	435	486														
35	391	455	408	478														
40	359	442	379	468														
45	324	426	345	457														
50	285	410	309	444														
55	244	392	270	430														
60	202	374	227	414														
65	157	355	184	397														
70	113	335	141	379														
75	71.4	314	98.2	360														
80	35.9	292	58.7	338														
85	12.4	270	26.1	317														
90	8.44	248	9.28	294														
95	9.36	204	8.94	245														
100	11.0	151	9.78	180														
105	13.1	126	11.4	157														
110	15.6	127	13.6	154														
115	17.4	101	15.6	133														
120	18.2	84.3	16.2	109														
125	19.8	74.5	17.0	94.9														
130	20.4	65.7	17.7	86.6														
135	21.1	58.1	18.1	75.8														
140	22.9	52.4	19.7	64.4														
145	23.8	49.0	20.8	57.7														
150	23.6	38.7	20.6	52.0														
155	23.9	35.2	20.7	45.2														
160	24.2	32.1	21.2	41.2														
165	26.6	32.5	24.3	40.2														
170	28.6	27.2	27.0	37.8														
175	30.6	19.4	29.4	27.0														
180	31.6	20.4	31.5	20.4														

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: