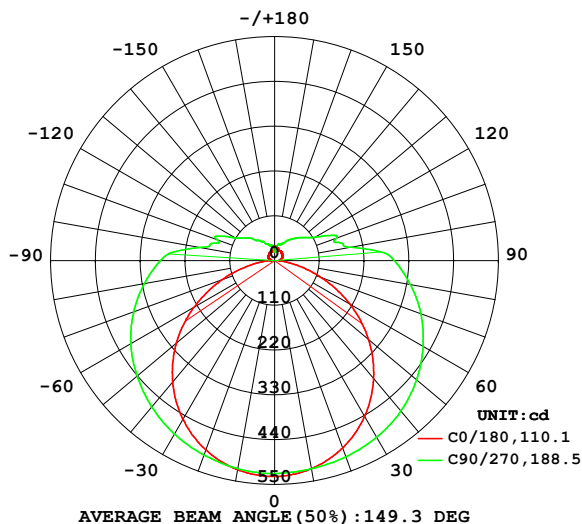


LUMINAIRE PHOTOMETRIC TEST REPORT

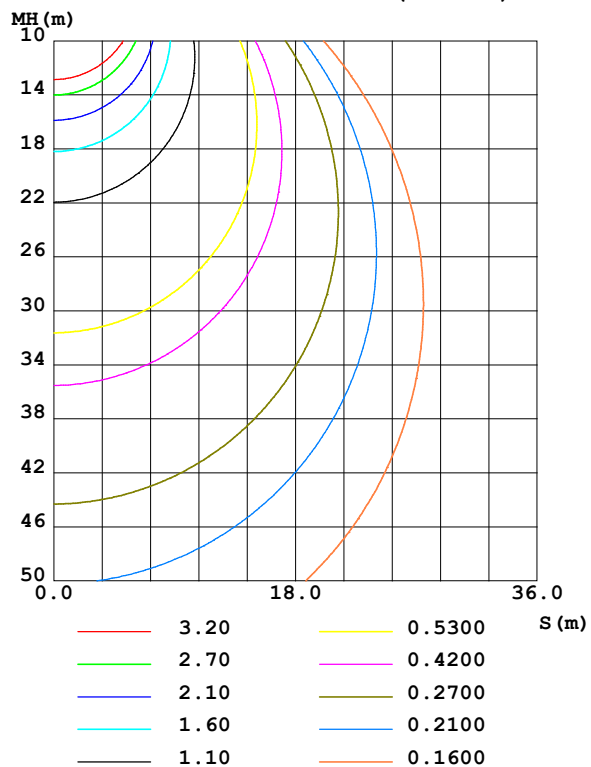
Test:U:119.83V I:0.2726A P:30.822W PF:0.9437 Freq:59.98Hz Lamp Flux:2491.84x1 lm		
NAME: WS36-033B-BN 30W 50K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.: 1
MFR.: EVERFINE	SUR.:	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 80.85 lm/W			
MODEL	5000K	I _{max} (cd)	530.1	S/MH(C0/180)	1.26
NOMINAL POWER(W)	30	LOR(%)	100.0	S/MH(C90/270)	1.42
RATED VOLTAGE(V)	120	TOTAL FLUX(lm)	2491.8	η UP,DN(C0-180)	9.6,40.7
NOMINAL FLUX(lm)	2491.84	CIE CLASS	SEMI-D.	η UP,DN(C180-360)	9.1,40.6
LAMPS INSIDE	1	η up (%)	18.7	CIBSE SHR NOM	1.50
TEST VOLTAGE(V)	120	η down (%)	81.3	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: MEDIUM
Temperature: 25.3℃
Operators: DAMIN
Test Date: 10 February 2026

γ Range: 0 - 180DEG
γ Interval: 0.5DEG
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	519.2	519.2	521.6	519.1					0- 10	49.93	49.93	2,2
20	489.5	512.9	494.9	508.2					10- 20	144.7	194.6	7.81,7.81
30	442.3	501.2	450.4	492.0					20- 30	225.1	419.8	16.8,16.8
40	378.6	482.4	389.8	469.4					30- 40	283.2	703.0	28.2,28.2
50	301.0	455.4	315.0	441.0					40- 50	313.0	1016	40.8,40.8
60	213.4	421.0	227.4	407.9					50- 60	312.2	1328	53.3,53.3
70	122.1	382.6	136.7	368.3					60- 70	282.5	1611	64.6,64.6
80	42.99	338.3	55.18	324.7					70- 80	233.0	1844	74,74
90	11.29	294.2	11.32	280.6					80- 90	182.4	2026	81.3,81.3
100	13.95	190.8	11.34	187.7					90-100	141.5	2168	87,87
110	18.65	161.6	16.41	150.3					100-110	94.26	2262	90.8,90.8
120	21.62	115.6	18.83	111.2					110-120	80.42	2342	94,94
130	23.98	89.03	20.36	86.83					120-130	54.02	2396	96.2,96.2
140	26.28	70.31	22.33	65.21					130-140	38.92	2435	97.7,97.7
150	27.43	53.44	23.30	52.16					140-150	27.10	2462	98.8,98.8
160	27.60	42.69	23.89	41.32					150-160	16.66	2479	99.5,99.5
170	33.18	38.03	31.43	36.13					160-170	9.836	2489	99.9,99.9
180	36.51	22.58	36.53	22.56					170-180	3.035	2492	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

Conical surface Flux(90deg): 857.69 lm

%lum = 34.4%

%lamp = 34.4%

Conical surface Flux(120deg): 1328.2 lm

%lum = 53.3%

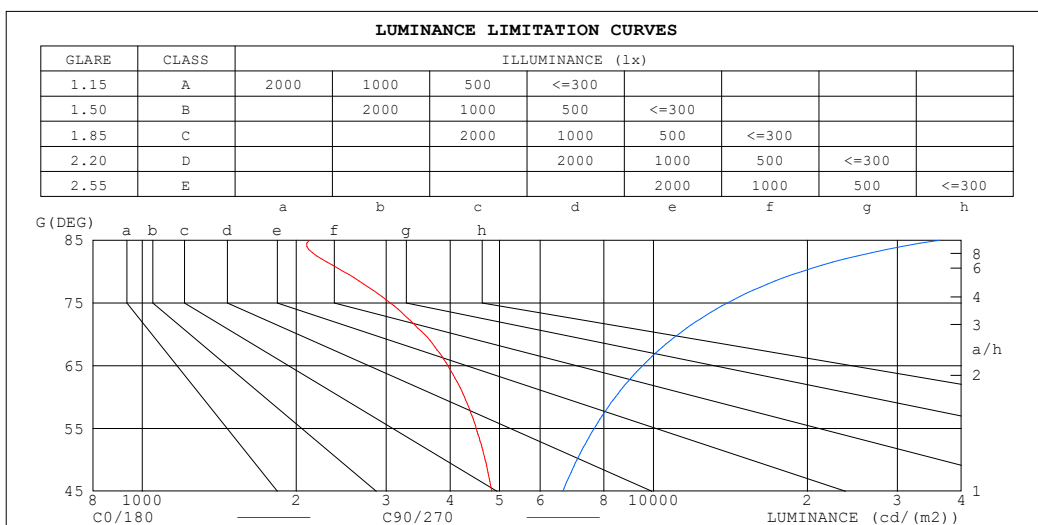
%lamp = 53.3%

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

γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
 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:119.83V I:0.2726A P:30.822W PF:0.9437 Freq:59.98Hz Lamp Flux:2491.84x1 lm		
NAME: WS36-033B-BN 30W 50K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.: 1
MFR.: EVERFINE	SUR.:	Shielding Angle:



LUMINANCE cd/(m2)		
G (DEG)	C0/180	C90/270
85	2123	36275
80	2476	19480
75	3055	13944
70	3569	11185
65	3961	9520
60	4268	8421
55	4500	7655
50	4683	7085
45	4828	6646

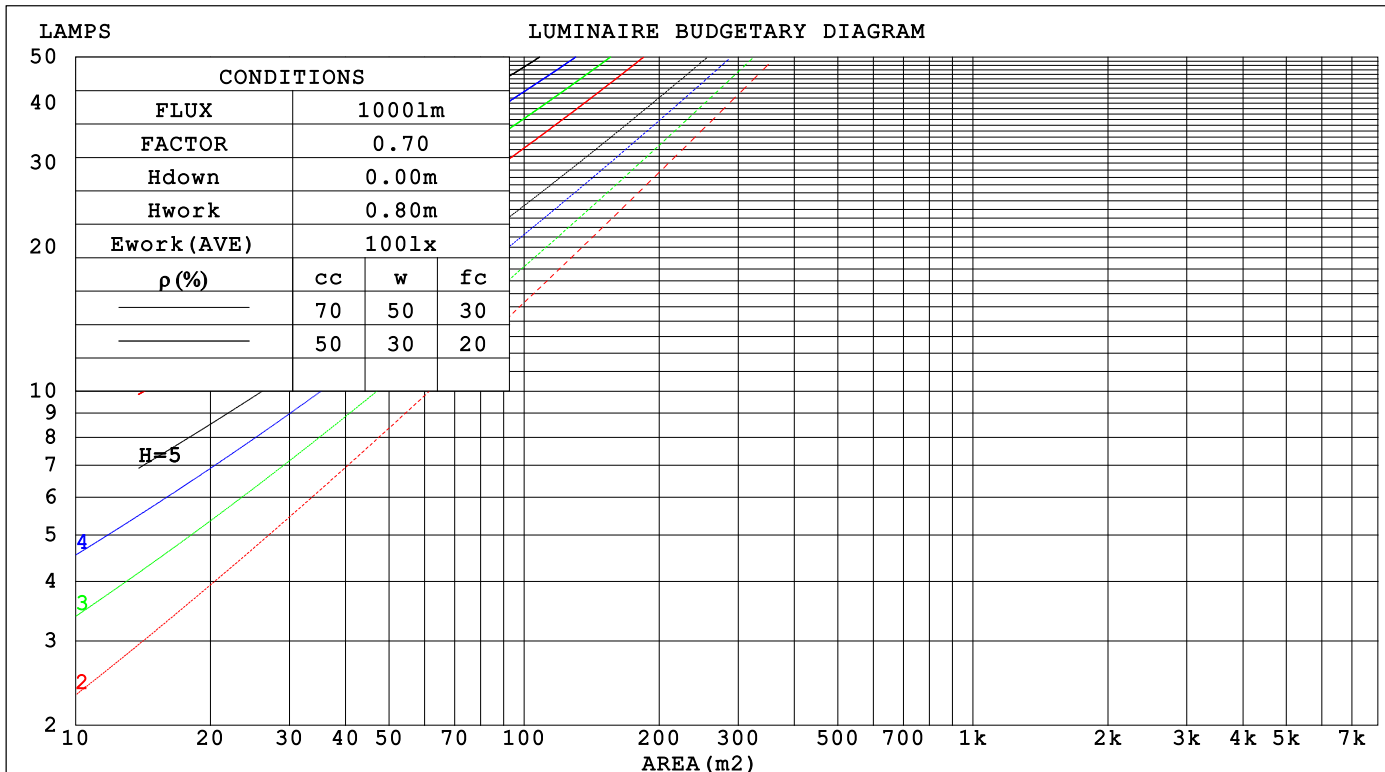
C Range: 0 - 360DEG
C Interval: 90.0DEG
Test Speed: MEDIUM
Temperature:25.3℃
Operators:DAMIN
Test Date:10 February 2026

γ Range: 0 - 180DEG
γ Interval: 0.5DEG
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:119.83V I:0.2726A P:30.822W PF:0.9437 Freq:59.98Hz Lamp Flux:2491.84x1 lm		
NAME: WS36-033B-BN 30W 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																Coefficients of Utilization(CU)											
0.0	1.15	1.15	1.15	1.10	1.10	1.10	1.01	1.01	1.01	.92	.92	.92	.85	.85	.85	.81												
1.0	.96	.90	.85	.91	.87	.82	.84	.80	.76	.76	.73	.71	.70	.67	.65	.62												
2.0	.82	.74	.67	.78	.71	.65	.71	.66	.61	.65	.61	.56	.60	.56	.52	.49												
3.0	.71	.62	.55	.68	.60	.53	.62	.55	.50	.57	.51	.46	.52	.47	.43	.40												
4.0	.62	.53	.45	.60	.51	.44	.55	.47	.42	.50	.44	.39	.46	.41	.36	.34												
5.0	.55	.46	.39	.53	.44	.38	.49	.41	.35	.45	.38	.33	.41	.36	.31	.29												
6.0	.49	.40	.33	.47	.39	.32	.44	.36	.31	.40	.34	.29	.37	.31	.27	.25												
7.0	.44	.35	.29	.43	.34	.28	.39	.32	.27	.36	.30	.25	.34	.28	.24	.22												
8.0	.40	.32	.26	.39	.31	.25	.36	.29	.24	.33	.27	.22	.31	.25	.21	.19												
9.0	.37	.29	.23	.36	.28	.22	.33	.26	.21	.31	.25	.20	.28	.23	.19	.17												
10.0	.34	.26	.21	.33	.25	.20	.30	.24	.19	.28	.22	.18	.26	.21	.17	.15												



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

γ Range: 0 - 180DEG
γ Interval: 0.5DEG
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:119.83V I:0.2726A P:30.822W PF:0.9437 Freq:59.98Hz Lamp Flux:2491.84x1 lm		
NAME: WS36-033B-BN 30W 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	.383	.218	.069	.370	.211	.067	.346	.199	.063	.324	.187	.060	.303	.176	.057		
2.0	.332	.182	.056	.321	.177	.054	.299	.166	.052	.279	.156	.049	.260	.147	.046		
3.0	.296	.157	.047	.285	.153	.046	.265	.144	.044	.247	.135	.041	.230	.127	.039		
4.0	.266	.138	.041	.257	.134	.040	.239	.127	.038	.222	.119	.036	.207	.112	.034		
5.0	.242	.123	.036	.233	.120	.035	.217	.113	.033	.202	.107	.032	.188	.100	.030		
6.0	.222	.111	.032	.214	.108	.031	.199	.102	.030	.185	.096	.028	.172	.091	.027		
7.0	.205	.101	.029	.197	.098	.028	.184	.093	.027	.171	.088	.026	.159	.083	.024		
8.0	.190	.093	.026	.183	.090	.025	.171	.085	.024	.159	.081	.023	.148	.076	.022		
9.0	.177	.086	.024	.171	.083	.023	.159	.079	.022	.148	.074	.021	.138	.070	.020		
10.0	.166	.079	.022	.160	.077	.022	.149	.073	.021	.139	.069	.020	.130	.065	.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	.333	.333	.333	.285	.285	.285	.194	.194	.194	.112	.112	.112	.036	.036	.036		
1.0	.329	.299	.272	.281	.257	.234	.193	.177	.162	.111	.102	.094	.035	.033	.030		
2.0	.322	.276	.238	.276	.238	.205	.189	.165	.143	.109	.096	.084	.035	.031	.027		
3.0	.315	.260	.216	.270	.224	.187	.185	.156	.131	.107	.091	.077	.034	.030	.025		
4.0	.307	.247	.202	.263	.214	.175	.181	.149	.123	.105	.087	.073	.034	.028	.024		
5.0	.299	.238	.192	.257	.206	.167	.177	.144	.118	.103	.084	.070	.033	.028	.023		
6.0	.292	.230	.185	.251	.199	.161	.173	.139	.114	.100	.082	.068	.032	.027	.022		
7.0	.285	.223	.180	.245	.193	.157	.169	.136	.111	.098	.080	.066	.032	.026	.022		
8.0	.278	.217	.176	.240	.189	.153	.166	.132	.109	.096	.078	.065	.031	.026	.021		
9.0	.272	.213	.173	.234	.185	.151	.162	.130	.107	.095	.077	.064	.031	.025	.021		
10.0	.266	.209	.170	.229	.181	.149	.159	.127	.106	.093	.075	.063	.030	.025	.021		

C Range: 0 - 360DEG

C Interval: 90.0DEG

Test Speed: MEDIUM

Temperature:25.3℃

Operators:DAMIN

Test Date:10 February 2026

γ Range: 0 - 180DEG

γ Interval: 0.5DEG

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:119.83V I:0.2726A P:30.822W PF:0.9437 Freq:59.98Hz Lamp Flux:2491.84x1 lm											
NAME: WS36-033B-BN 30W 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		13.6	15.0	14.1	15.5	16.1	16.0	17.3	16.5	17.9	18.4
3H		15.0	16.3	15.6	16.8	17.4	18.8	20.1	19.3	20.6	21.2
4H		15.5	16.7	16.1	17.3	17.9	20.4	21.6	20.9	22.1	22.8
6H		15.8	17.0	16.4	17.6	18.2	22.1	23.3	22.7	23.9	24.5
8H		15.9	17.0	16.5	17.6	18.3	23.1	24.2	23.7	24.8	25.5
12H		16.0	17.0	16.6	17.6	18.3	24.3	25.3	24.9	25.9	26.6
4H 2H		14.7	15.9	15.3	16.5	17.1	16.5	17.7	17.0	18.2	18.9
3H		16.4	17.5	17.0	18.1	18.8	19.5	20.5	20.1	21.1	21.8
4H		17.2	18.1	17.8	18.7	19.5	21.2	22.2	21.9	22.8	23.5
6H		17.7	18.6	18.4	19.2	20.0	23.2	24.1	23.9	24.7	25.5
8H		17.9	18.7	18.6	19.4	20.1	24.3	25.1	25.0	25.8	26.6
12H		18.0	18.8	18.7	19.5	20.3	25.6	26.4	26.3	27.1	27.9
8H 4H		18.2	19.0	18.9	19.7	20.5	21.5	22.3	22.1	22.9	23.7
6H		19.2	19.8	19.9	20.5	21.3	23.7	24.4	24.4	25.1	25.9
8H		19.6	20.2	20.3	20.9	21.7	25.0	25.6	25.7	26.4	27.2
12H		19.9	20.5	20.6	21.2	22.0	26.6	27.1	27.3	27.9	28.7
12H 4H		18.6	19.3	19.2	20.0	20.8	21.5	22.2	22.2	22.9	23.7
6H		19.7	20.3	20.4	21.1	21.9	23.8	24.4	24.5	25.1	25.9
8H		20.3	20.9	21.1	21.6	22.5	25.2	25.7	25.9	26.5	27.3
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, 2492 lm Total Lamp Luminous Flux Correct (8log(F/F0) = 3.2)
Area: 0.1 m2

C Range: 0 - 360DEG

C Interval: 90.0DEG

Test Speed: MEDIUM

Temperature:25.3℃

Operators:DAMIN

Test Date:10 February 2026

γ Range: 0 - 180DEG

γ Interval: 0.5DEG

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:119.83V I:0.2726A P:30.822W PF:0.9437 Freq:59.98Hz Lamp Flux:2491.84x1 lm		
NAME: WS36-033B-BN 30W 50K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.: 1
MFR.: EVERFINE	SUR.:	Shielding Angle:

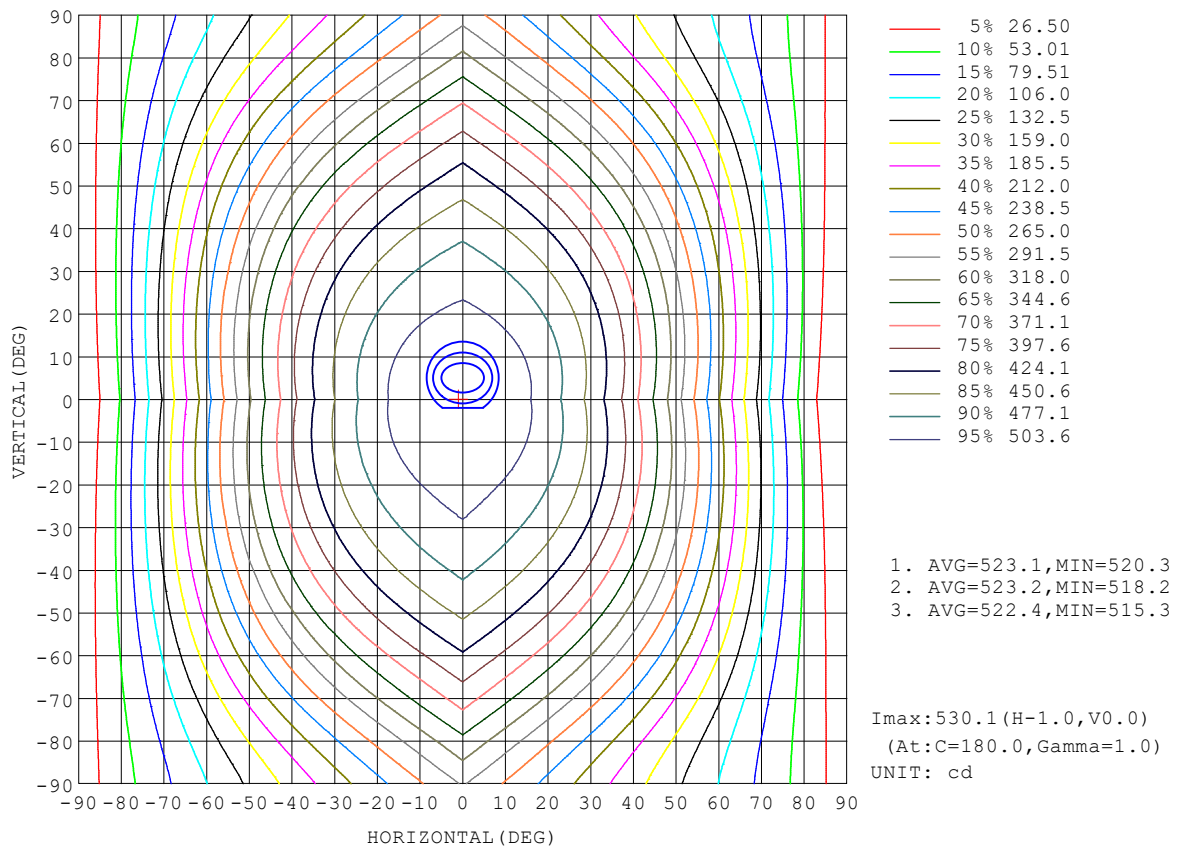
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS (PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	47	35	28	46	35	28	44	34	27	20
0.80	57	44	36	55	43	35	52	41	34	26
1.00	64	52	43	62	50	43	59	51	41	32
1.25	71	59	50	69	57	49	65	55	48	38
1.50	77	64	56	74	63	55	69	59	52	42
2.00	84	73	64	81	71	63	75	67	60	48
2.50	88	78	70	85	76	68	78	71	65	52
3.00	92	83	75	88	80	73	82	75	69	56
4.00	97	89	82	93	86	80	86	80	75	60
5.00	100	93	87	96	89	84	88	83	79	63
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: MEDIUM
Temperature: 25.3°C
Operators: DAMIN
Test Date: 10 February 2026

γ Range: 0 - 180DEG
γ Interval: 0.5DEG
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:119.83V I:0.2726A P:30.822W PF:0.9437 Freq:59.98Hz Lamp Flux:2491.84x1 lm		
NAME: WS36-033B-BN 30W 50K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.: 1
MFR.: EVERFINE	SUR.:	Shielding Angle:

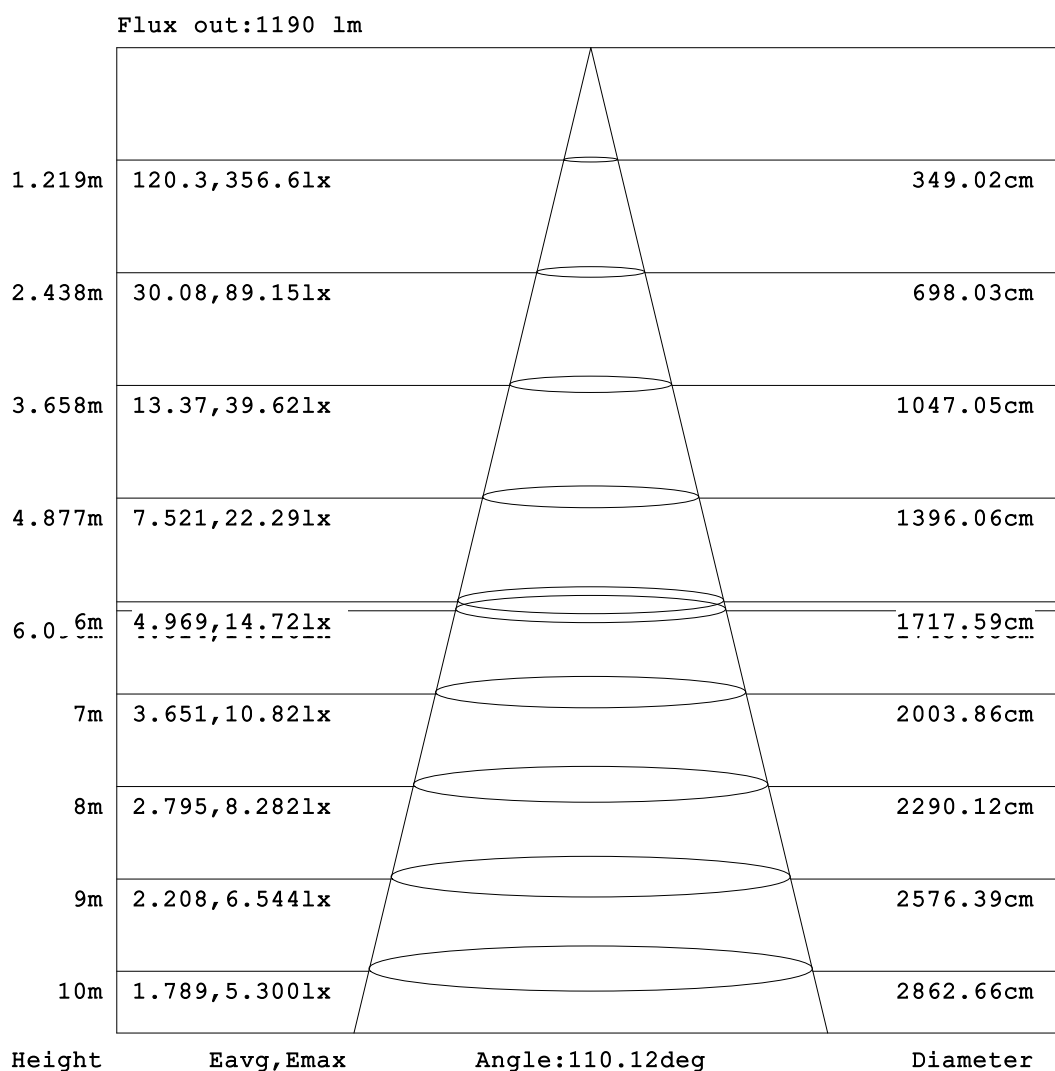


C Range: 0 - 360DEG
C Interval: 90.0DEG
Test Speed: MEDIUM
Temperature:25.3℃
Operators:DAMIN
Test Date:10 February 2026

γ Range: 0 - 180DEG
γ Interval: 0.5DEG
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:119.83V I:0.2726A P:30.822W PF:0.9437 Freq:59.98Hz Lamp Flux:2491.84x1 lm		
NAME: WS36-033B-BN 30W 50K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.: 1
MFR.: EVERFINE	SUR.:	Shielding Angle:



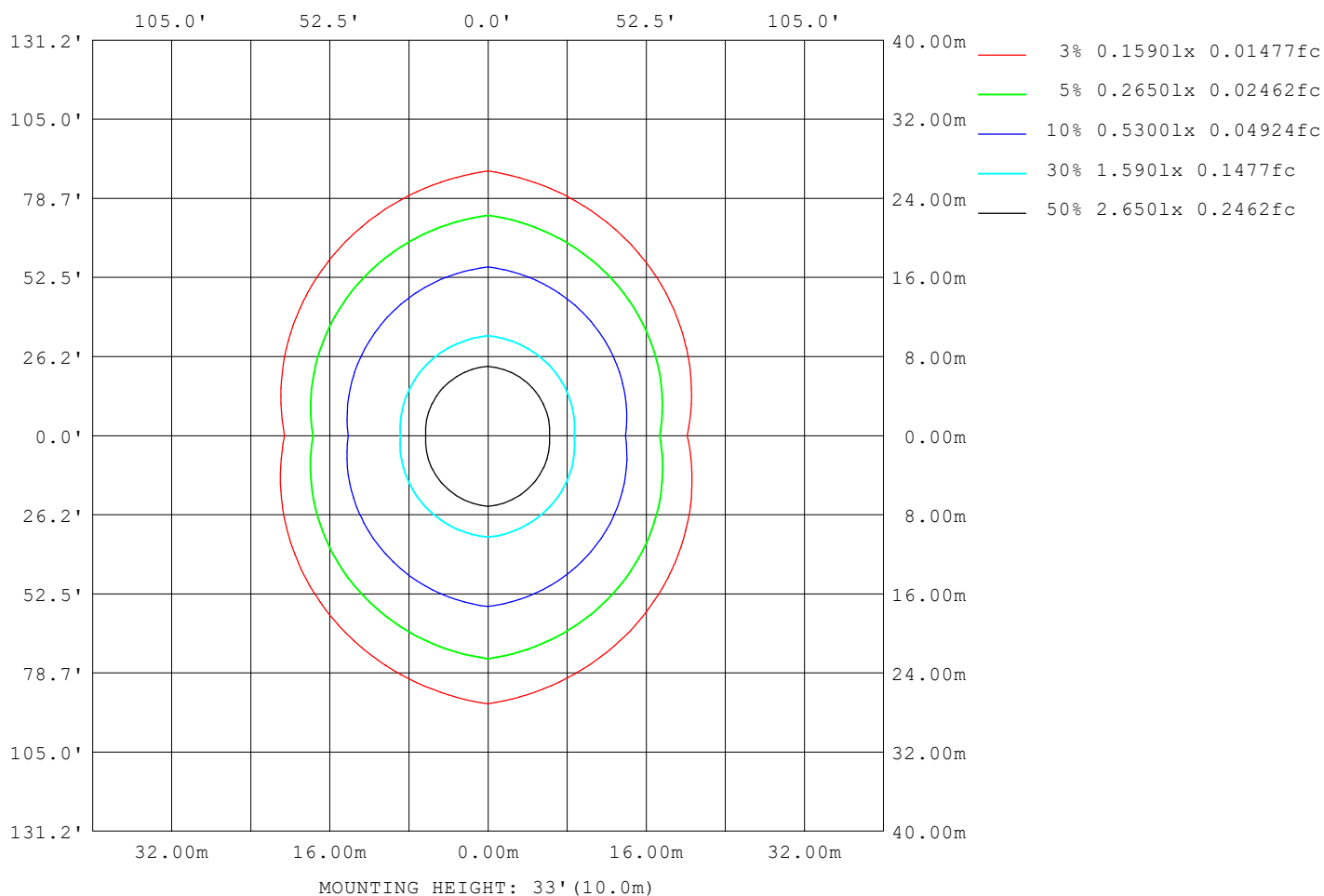
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

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

γ Range: 0 - 180DEG
γ Interval: 0.5DEG
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:119.83V I:0.2726A P:30.822W PF:0.9437 Freq:59.98Hz Lamp Flux:2491.84x1 lm		
NAME: WS36-033B-BN 30W 50K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.: 1
MFR.: EVERFINE	SUR.:	Shielding Angle:



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

γ Range: 0 - 180DEG
γ Interval: 0.5DEG
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:119.83V I:0.2726A P:30.822W PF:0.9437 Freq:59.98Hz Lamp Flux:2491.84x1 lm		
NAME: WS36-033B-BN 30W 50K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.: 1
MFR.: EVERFINE	SUR.:	Shielding Angle:

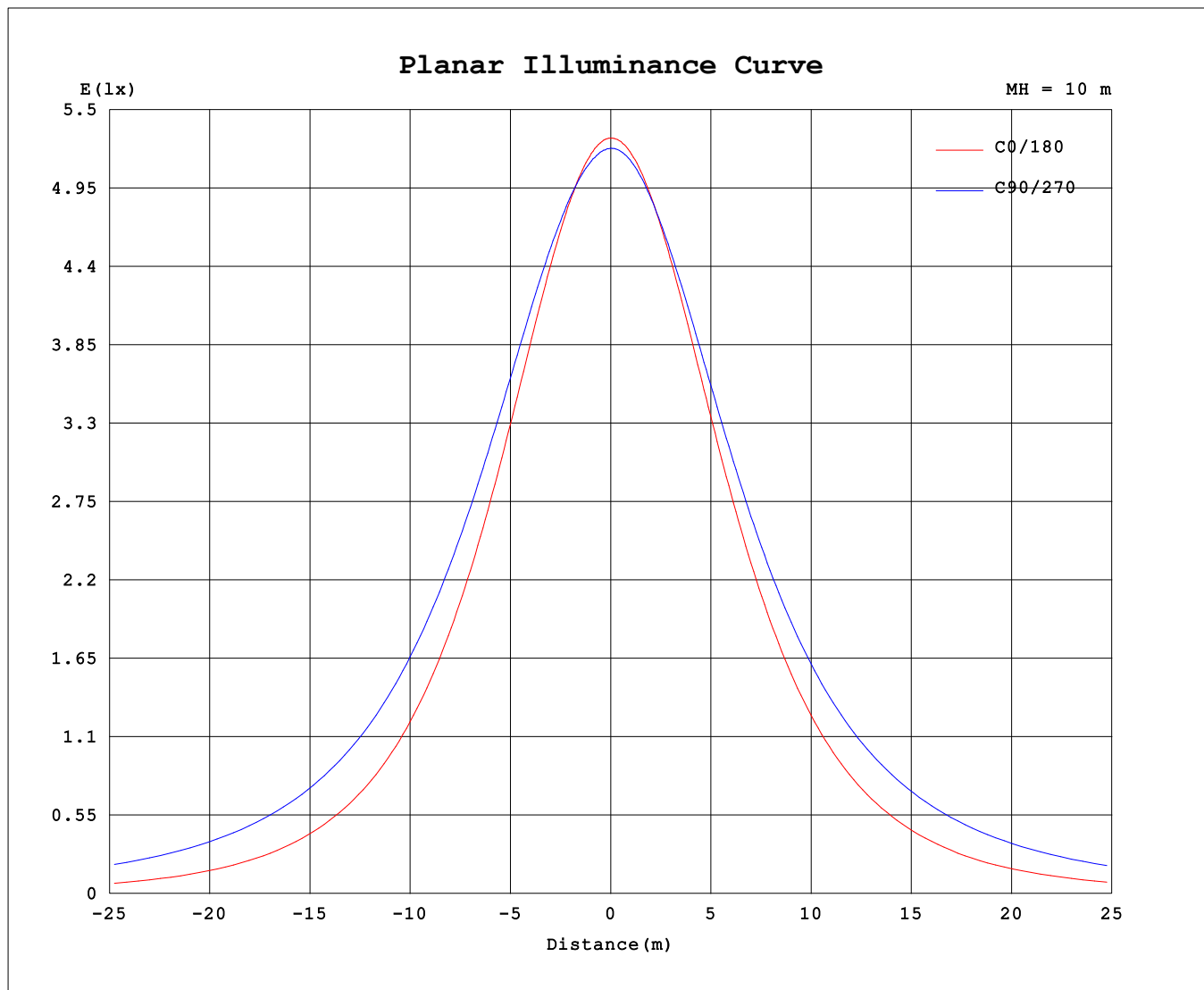
AvgL	cd/m2
L_0~180 (65) av	4134
L_0~180 (75) av	3333
L_0~180 (85) av	2579
L_90~270 (65) av	9360
L_90~270 (75) av	13674
L_90~270 (85) av	35501
L_45 (65) av	7411
L_45 (75) av	9814
L_45 (85) av	23184

Standard: GB/T 29293-2012

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

γ Range: 0 - 180DEG
γ Interval: 0.5DEG
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: MEDIUM
Temperature: 25.3 °C
Operators: DAMIN
Test Date: 10 February 2026

γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
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:119.83V I:0.2726A P:30.822W PF:0.9437 Freq:59.98Hz Lamp Flux:2491.84x1 lm		
NAME: WS36-033B-BN 30W 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	530	523	530	523														
5	527	521	528	522														
10	519	519	522	519														
15	507	516	511	514														
20	489	513	495	508														
25	468	507	475	501														
30	442	501	450	492														
35	412	493	422	481														
40	379	482	390	469														
45	341	470	354	456														
50	301	455	315	441														
55	258	439	273	425														
60	213	421	227	408														
65	167	402	182	389														
70	122	383	137	368														
75	79.1	361	93.4	347														
80	43.0	338	55.2	325														
85	18.5	316	26.5	303														
90	11.3	294	11.3	281														
95	12.3	259	10.1	249														
100	14.0	191	11.3	188														
105	16.0	168	13.5	162														
110	18.6	162	16.4	150														
115	20.8	146	18.7	143														
120	21.6	116	18.8	111														
125	23.2	99.5	19.9	96.9														
130	24.0	89.0	20.4	86.8														
135	24.5	79.3	20.6	76.4														
140	26.3	70.3	22.3	65.2														
145	27.4	62.4	23.6	58.1														
150	27.4	53.4	23.3	52.2														
155	27.4	47.3	23.4	45.6														
160	27.6	42.7	23.9	41.3														
165	30.6	42.7	28.7	39.9														
170	33.2	38.0	31.4	36.1														
175	35.5	24.0	34.2	22.7														
180	36.5	22.6	36.5	22.6														

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

γ Range: 0 - 180DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.459
Humidity:65.0%
Test Distance:7.380m [K=1.0000]
Remarks: