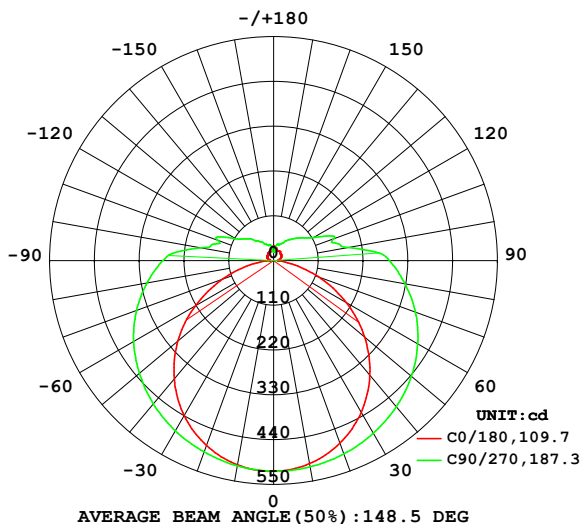


LUMINAIRE PHOTOMETRIC TEST REPORT

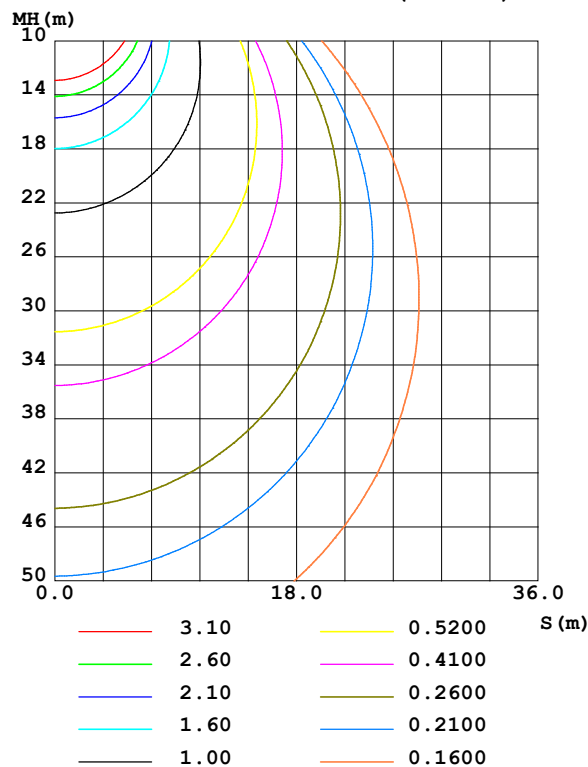
Test:U:119.85V I:0.2719A P:30.729W PF:0.9431 Freq:59.98Hz Lamp Flux:2427.06x1 lm		
NAME: WS36-033B-BN 30W 27K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.: 1
MFR.: EVERFINE	SUR.:	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 78.98 lm/W			
MODEL	2700K	I _{max} (cd)	517.7	S/MH(C0/180)	1.26
NOMINAL POWER(W)	30	LOR(%)	100.0	S/MH(C90/270)	1.41
RATED VOLTAGE(V)	120	TOTAL FLUX(lm)	2427.1	η UP,DN(C0-180)	9.6,40.6
NOMINAL FLUX(lm)	2427.06	CIE CLASS	SEMI-D.	η UP,DN(C180-360)	9.1,40.7
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: 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	506.6	514.6	509.6	512.1					0- 10	49.07	49.07	2.02,2.02
20	477.3	505.2	483.3	499.9					10- 20	142.0	191.1	7.87,7.87
30	430.6	489.9	439.6	483.1					20- 30	220.4	411.4	17,17
40	367.8	468.9	380.1	459.7					30- 40	276.3	687.8	28.3,28.3
50	291.9	442.0	306.8	430.4					40- 50	304.7	992.5	40.9,40.9
60	206.0	408.8	221.1	397.1					50- 60	303.4	1296	53.4,53.4
70	117.1	370.9	133.0	358.4					60- 70	274.3	1570	64.7,64.7
80	41.31	327.7	53.51	315.4					70- 80	226.1	1796	74,74
90	10.69	284.6	9.704	272.3					80- 90	176.5	1973	81.3,81.3
100	13.50	186.2	11.36	181.8					90-100	137.0	2110	86.9,86.9
110	18.29	157.7	16.41	146.0					100-110	91.82	2201	90.7,90.7
120	21.28	114.0	18.71	107.9					110-120	78.52	2280	93.9,93.9
130	23.77	87.30	20.43	84.18					120-130	52.82	2333	96.1,96.1
140	25.91	69.35	22.61	64.09					130-140	38.19	2371	97.7,97.7
150	26.95	52.89	23.64	50.94					140-150	26.76	2398	98.8,98.8
160	27.25	42.16	24.20	40.97					150-160	16.48	2414	99.5,99.5
170	32.66	37.53	31.41	37.73					160-170	9.838	2424	99.9,99.9
180	36.33	22.59	36.34	22.58					170-180	3.017	2427	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

Conical surface Flux(90deg): 838.43 lm

%lum = 34.5%

%lamp = 34.5%

Conical surface Flux(120deg): 1295.8 lm

%lum = 53.4%

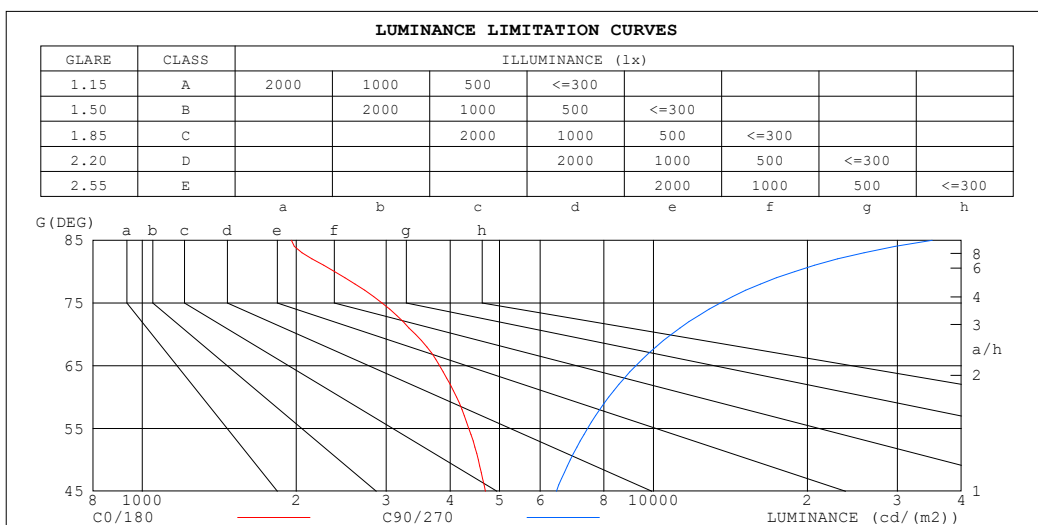
%lamp = 53.4%

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:

LUMINANCE LIMITATION CURVES

Test:U:119.85V I:0.2719A P:30.729W PF:0.9431 Freq:59.98Hz Lamp Flux:2427.06x1 lm		
NAME: WS36-033B-BN 30W 27K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.: 1
MFR.: EVERFINE	SUR.:	Shielding Angle:



LUMINANCE cd/(m2)		
G (DEG)	C0/180	C90/270
85	1956	35122
80	2379	18874
75	2943	13519
70	3424	10845
65	3817	9234
60	4120	8176
55	4353	7429
50	4541	6876
45	4687	6455

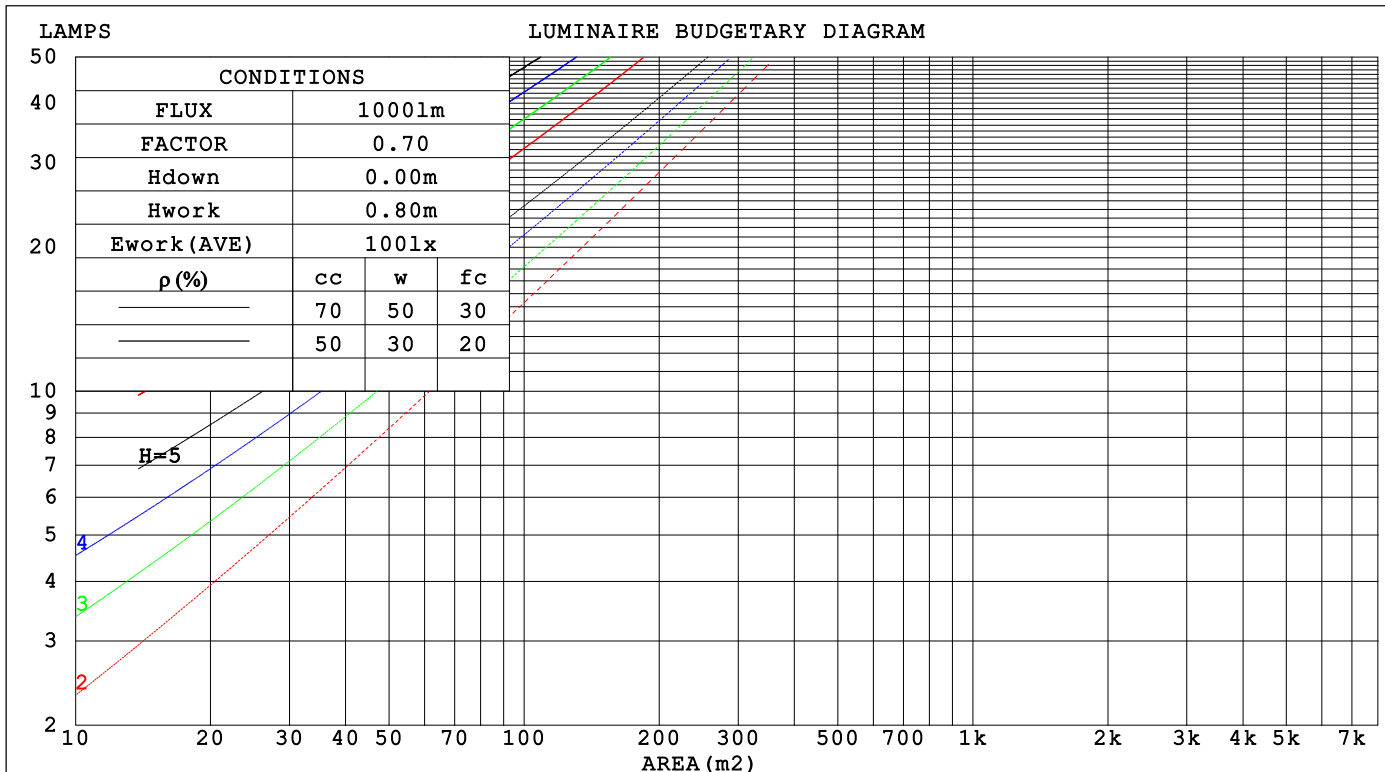
C Range: 0 - 360DEG
C Interval: 90.0DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:DAMIN
Test Date:10 February 2026

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:0.2719A P:30.729W PF:0.9431 Freq:59.98Hz Lamp Flux:2427.06x1 lm		
NAME: WS36-033B-BN 30W 27K	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	.77	.73	.71	.70	.68	.65	.62
2.0	.82	.74	.67	.78	.71	.65	.72	.66	.61	.65	.61	.57	.60	.56	.53	.49
3.0	.71	.62	.55	.68	.60	.53	.62	.55	.50	.57	.51	.46	.52	.47	.43	.40
4.0	.62	.53	.46	.60	.51	.44	.55	.47	.42	.50	.44	.39	.46	.41	.37	.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	.32	.27	.25
7.0	.45	.35	.29	.43	.34	.28	.40	.32	.27	.36	.30	.25	.34	.28	.24	.22
8.0	.40	.32	.26	.39	.31	.25	.36	.29	.24	.33	.27	.23	.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	.31	.24	.19	.28	.22	.18	.26	.21	.17	.15



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:0.2719A P:30.729W PF:0.9431 Freq:59.98Hz Lamp Flux:2427.06x1 lm		
NAME: WS36-033B-BN 30W 27K	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	.345	.198	.063	.323	.186	.060	.303	.175	.057		
2.0	.332	.182	.056	.320	.176	.054	.298	.166	.052	.278	.156	.049	.259	.147	.046		
3.0	.295	.157	.047	.285	.152	.046	.265	.143	.044	.246	.135	.041	.229	.127	.039		
4.0	.266	.138	.041	.256	.134	.040	.238	.126	.038	.222	.119	.036	.206	.112	.034		
5.0	.242	.123	.036	.233	.120	.035	.217	.113	.033	.202	.106	.032	.187	.100	.030		
6.0	.222	.111	.032	.214	.108	.031	.199	.102	.030	.185	.096	.028	.172	.090	.027		
7.0	.204	.101	.029	.197	.098	.028	.184	.093	.027	.171	.088	.025	.159	.083	.024		
8.0	.190	.093	.026	.183	.090	.025	.171	.085	.024	.159	.080	.023	.148	.076	.022		
9.0	.177	.085	.024	.171	.083	.023	.159	.079	.022	.148	.074	.021	.138	.070	.020		
10.0	.165	.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	.282	.257	.234	.193	.177	.162	.111	.102	.094	.036	.033	.030		
2.0	.322	.277	.238	.276	.238	.206	.189	.165	.143	.109	.096	.084	.035	.031	.027		
3.0	.315	.260	.216	.270	.224	.188	.185	.156	.132	.107	.091	.078	.034	.030	.025		
4.0	.307	.248	.202	.264	.214	.176	.181	.149	.124	.105	.087	.073	.034	.028	.024		
5.0	.300	.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	.194	.157	.169	.136	.111	.098	.080	.066	.032	.026	.022		
8.0	.278	.218	.176	.240	.189	.153	.166	.133	.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	.171	.230	.181	.149	.159	.128	.106	.093	.075	.063	.030	.025	.021		

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:0.2719A P:30.729W PF:0.9431 Freq:59.98Hz Lamp Flux:2427.06x1 lm										
NAME: WS36-033B-BN 30W 27K					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	14.9	14.1	15.4	16.0	15.9	17.3	16.5	17.8	18.4
3H	15.0	16.2	15.5	16.8	17.4	18.8	20.0	19.3	20.6	21.2
4H	15.5	16.7	16.0	17.2	17.9	20.3	21.5	20.9	22.1	22.7
6H	15.8	16.9	16.4	17.5	18.2	22.1	23.2	22.7	23.8	24.5
8H	15.9	17.0	16.5	17.6	18.2	23.1	24.2	23.7	24.8	25.5
12H	15.9	17.0	16.5	17.6	18.3	24.2	25.3	24.9	25.9	26.6
4H 2H	14.7	15.9	15.3	16.5	17.1	16.4	17.6	17.0	18.2	18.8
3H	16.4	17.4	17.0	18.0	18.7	19.4	20.5	20.0	21.1	21.8
4H	17.1	18.1	17.7	18.7	19.4	21.2	22.1	21.8	22.8	23.5
6H	17.7	18.5	18.3	19.2	19.9	23.2	24.0	23.8	24.7	25.4
8H	17.8	18.6	18.5	19.3	20.1	24.3	25.1	25.0	25.8	26.5
12H	18.0	18.7	18.7	19.4	20.2	25.6	26.3	26.3	27.0	27.8
8H 4H	18.2	19.0	18.8	19.6	20.4	21.4	22.2	22.1	22.9	23.7
6H	19.1	19.8	19.8	20.5	21.3	23.7	24.3	24.4	25.0	25.9
8H	19.5	20.1	20.2	20.8	21.7	25.0	25.6	25.7	26.3	27.1
12H	19.9	20.4	20.6	21.1	22.0	26.6	27.1	27.3	27.8	28.7
12H 4H	18.5	19.3	19.2	19.9	20.7	21.4	22.2	22.1	22.9	23.7
6H	19.7	20.3	20.4	21.0	21.8	23.7	24.4	24.5	25.1	25.9
8H	20.3	20.8	21.0	21.5	22.4	25.2	25.7	25.9	26.4	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, 2427 lm Total Lamp Luminous Flux Correct (8log(F/F0) = 3.1)
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:0.2719A P:30.729W PF:0.9431 Freq:59.98Hz Lamp Flux:2427.06x1 lm		
NAME: WS36-033B-BN 30W 27K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.: 1
MFR.: EVERFINE	SUR.:	Shielding Angle:

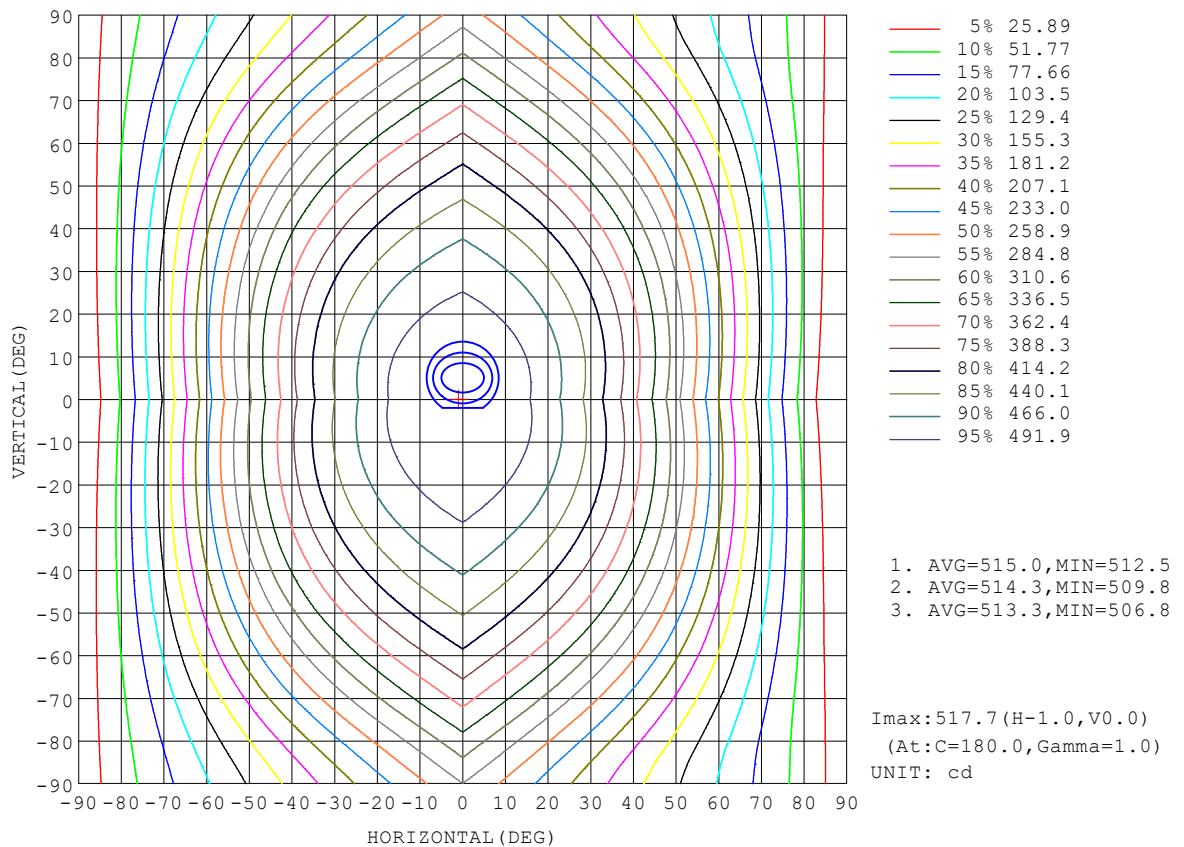
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS (PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	48	35	28	46	35	28	44	34	27	20
0.80	57	44	36	55	43	35	52	41	34	26
1.00	65	52	43	63	51	43	59	51	41	33
1.25	71	59	50	69	57	49	65	55	48	38
1.50	77	64	56	74	63	55	69	60	53	42
2.00	84	73	65	81	71	63	75	67	60	48
2.50	88	78	70	85	76	68	79	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	90	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: 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:0.2719A P:30.729W PF:0.9431 Freq:59.98Hz Lamp Flux:2427.06x1 lm		
NAME: WS36-033B-BN 30W 27K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.: 1
MFR.: EVERFINE	SUR.:	Shielding Angle:

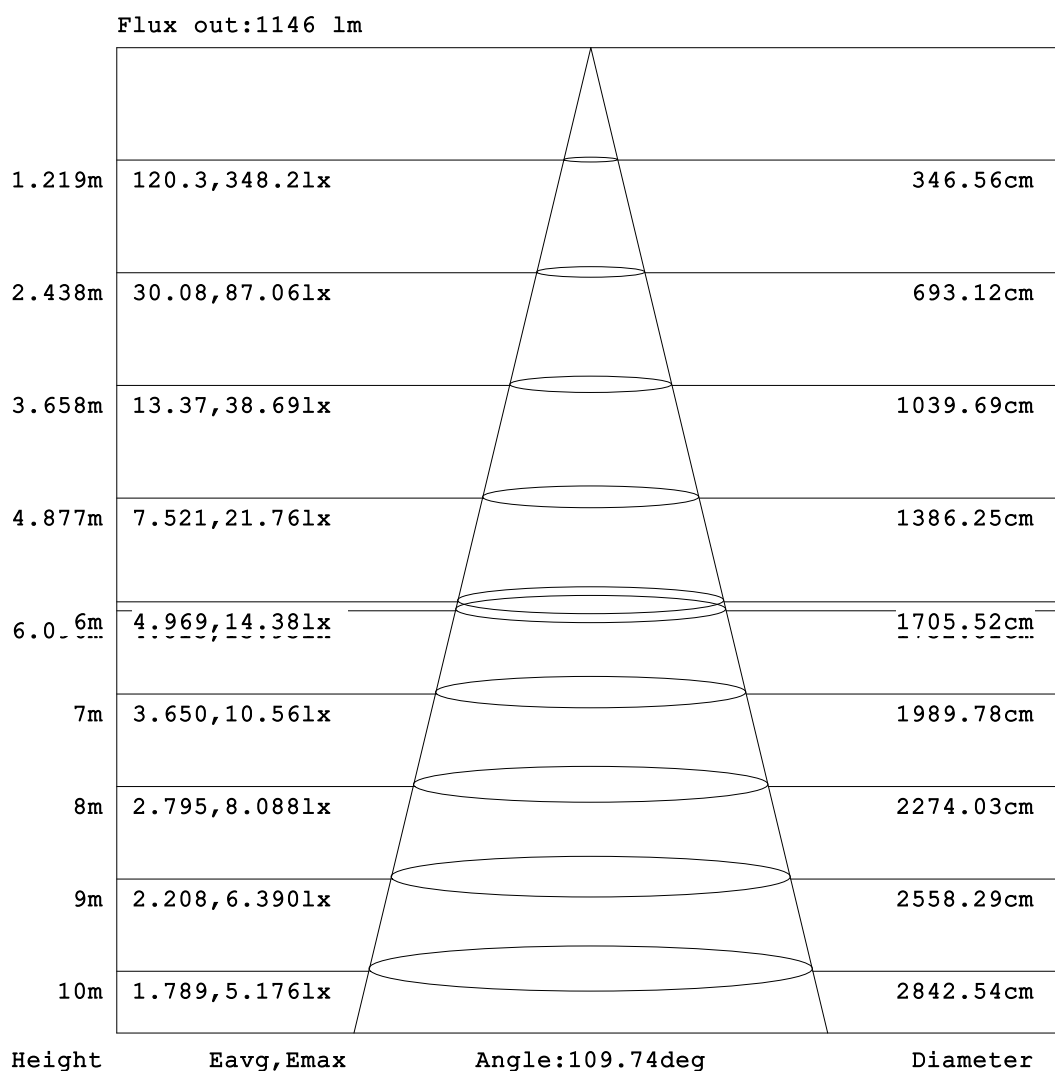


C Range: 0 - 360DEG
C Interval: 90.0DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:DAMIN
Test Date:10 February 2026

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:119.85V I:0.2719A P:30.729W PF:0.9431 Freq:59.98Hz Lamp Flux:2427.06x1 lm		
NAME: WS36-033B-BN 30W 27K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.: 1
MFR.: EVERFINE	SUR.:	Shielding Angle:



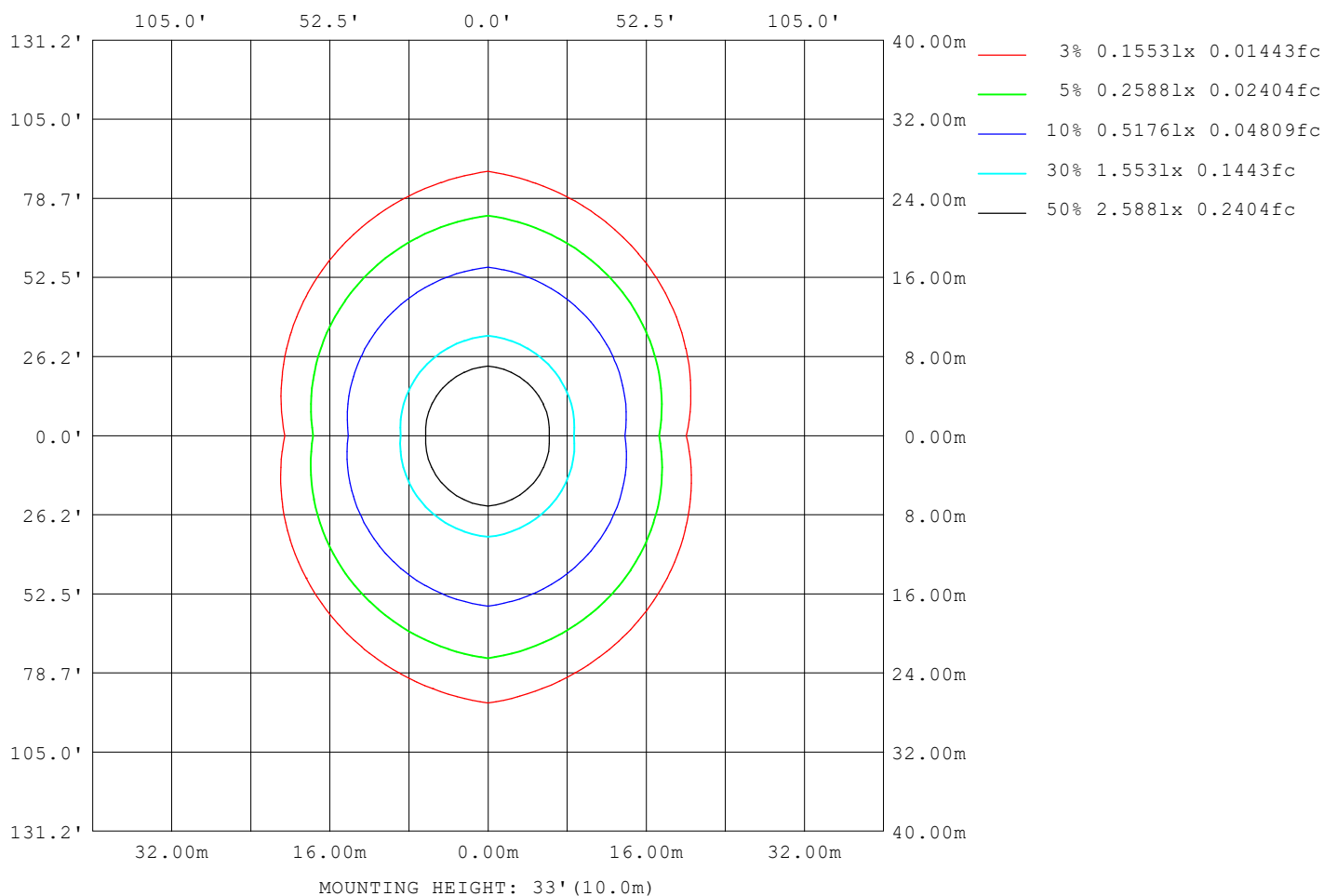
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

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:0.2719A P:30.729W PF:0.9431 Freq:59.98Hz Lamp Flux:2427.06x1 lm		
NAME: WS36-033B-BN 30W 27K	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:0.2719A P:30.729W PF:0.9431 Freq:59.98Hz Lamp Flux:2427.06x1 lm		
NAME: WS36-033B-BN 30W 27K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.: 1
MFR.: EVERFINE	SUR.:	Shielding Angle:

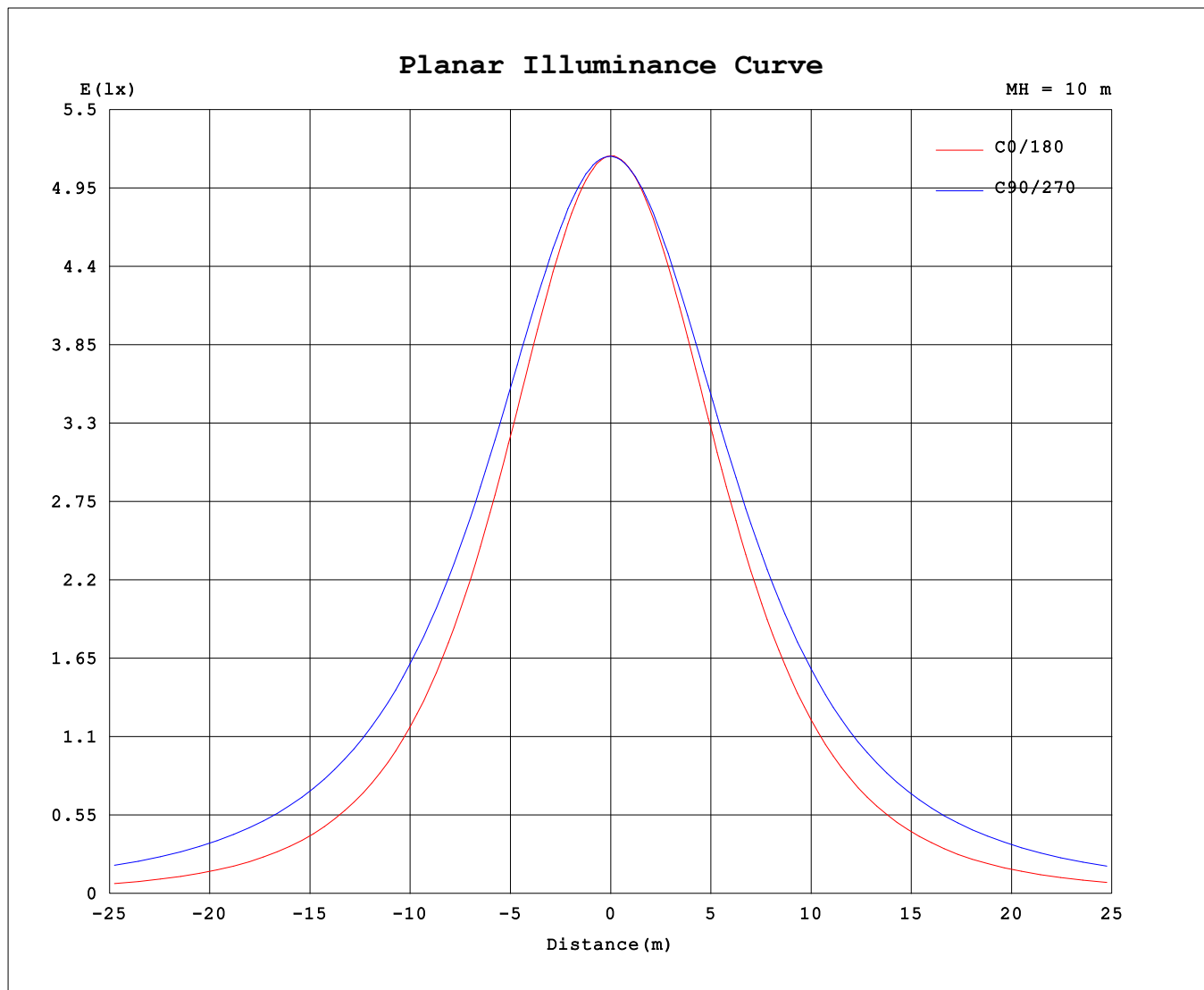
AvgL	cd/m2
L_0~180 (65) av	4003
L_0~180 (75) av	3229
L_0~180 (85) av	2403
L_90~270 (65) av	9092
L_90~270 (75) av	13275
L_90~270 (85) av	34421
L_45 (65) av	7195
L_45 (75) av	9526
L_45 (85) av	22442

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:0.2719A P:30.729W PF:0.9431 Freq:59.98Hz Lamp Flux:2427.06x1 lm		
NAME: WS36-033B-BN 30W 27K	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	518	517	518	517														
5	514	517	516	516														
10	507	515	510	512														
15	494	511	499	507														
20	477	505	483	500														
25	456	498	464	492														
30	431	490	440	483														
35	401	480	412	472														
40	368	469	380	460														
45	331	456	345	446														
50	292	442	307	430														
55	250	426	266	414														
60	206	409	221	397														
65	161	390	177	378														
70	117	371	133	358														
75	76.2	350	91.0	337														
80	41.3	328	53.5	315														
85	17.0	306	24.8	294														
90	10.7	285	9.70	272														
95	11.7	251	9.89	241														
100	13.5	186	11.4	182														
105	15.7	163	13.6	156														
110	18.3	158	16.4	146														
115	20.3	144	18.5	138														
120	21.3	114	18.7	108														
125	23.0	97.5	19.9	93.5														
130	23.8	87.3	20.4	84.2														
135	24.1	77.9	20.8	73.4														
140	25.9	69.4	22.6	64.1														
145	27.2	61.6	23.9	57.1														
150	27.0	52.9	23.6	50.9														
155	27.0	46.7	23.6	44.8														
160	27.3	42.2	24.2	41.0														
165	30.2	42.6	28.6	41.2														
170	32.7	37.5	31.4	37.7														
175	35.1	23.2	34.2	22.9														
180	36.3	22.6	36.3	22.6														

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: