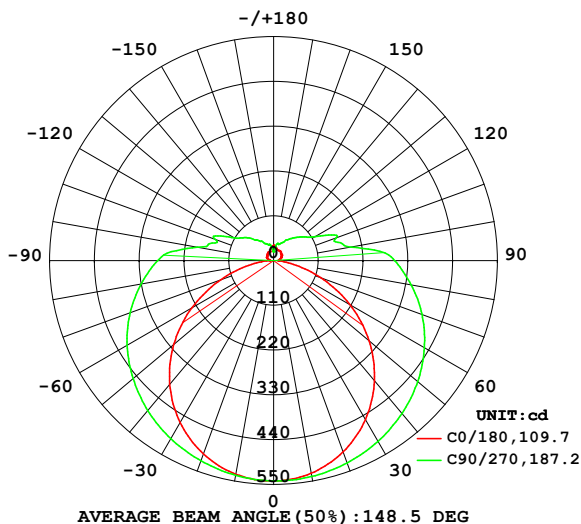


LUMINAIRE PHOTOMETRIC TEST REPORT

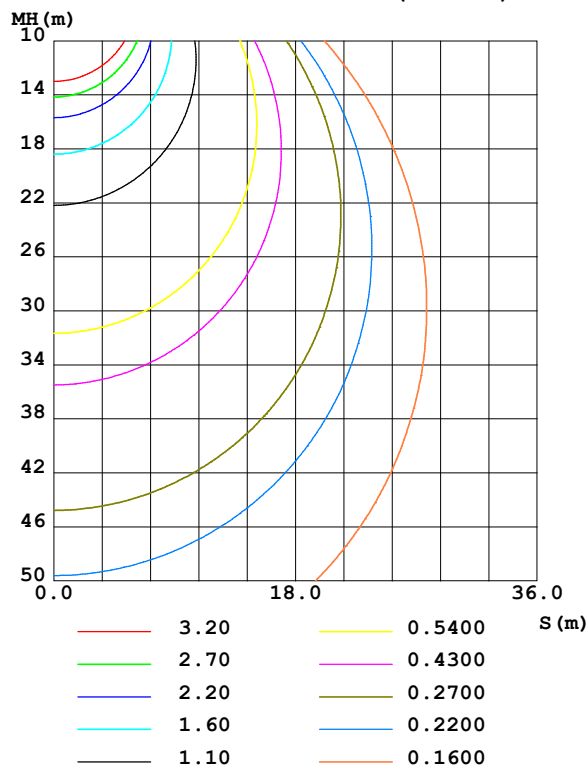
Test:U:119.84V I:0.2724A P:30.811W PF:0.9437 Freq:59.98Hz Lamp Flux:2538.48x1 lm		
NAME: WS36-033B-BN 30W 30K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.: 1
MFR.: EVERFINE	SUR.:	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA				Eff: 82.39 lm/W
MODEL	3000K	I _{max} (cd)	541.6	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)	2538.5	η UP,DN(C0-180)	9.6,40.6	
NOMINAL FLUX(lm)	2538.48	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	530.4	538.2	533.1	535.9					0- 10	51.34	51.34	2.02,2.02
20	499.8	528.8	505.1	523.2					10- 20	148.6	199.9	7.88,7.88
30	451.2	512.8	459.4	505.0					20- 30	230.6	430.5	17,17
40	385.8	490.4	397.3	481.1					30- 40	289.1	719.7	28.3,28.3
50	306.1	462.1	320.3	450.5					40- 50	318.7	1038	40.9,40.9
60	216.1	427.7	231.4	415.7					50- 60	317.4	1356	53.4,53.4
70	123.4	388.2	138.5	375.0					60- 70	287.0	1643	64.7,64.7
80	43.58	342.8	55.56	330.0					70- 80	236.5	1879	74,74
90	11.27	297.6	10.04	285.2					80- 90	184.7	2064	81.3,81.3
100	14.26	194.5	11.87	190.2					90-100	143.4	2207	87,87
110	19.22	164.6	17.20	152.9					100-110	95.96	2303	90.7,90.7
120	22.42	118.4	19.51	112.0					110-120	81.81	2385	94,94
130	25.11	90.95	21.22	88.01					120-130	55.10	2440	96.1,96.1
140	27.28	72.20	23.47	66.52					130-140	39.88	2480	97.7,97.7
150	28.37	54.98	24.54	53.25					140-150	27.94	2508	98.8,98.8
160	28.62	43.85	25.10	42.68					150-160	17.18	2525	99.5,99.5
170	34.11	39.66	32.64	36.75					160-170	10.20	2535	99.9,99.9
180	38.00	23.49	38.00	23.47					170-180	3.128	2538	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

Conical surface Flux(90deg): 877.26 lm

%lum = 34.6%

%lamp = 34.6%

Conical surface Flux(120deg): 1355.8 lm

%lum = 53.4%

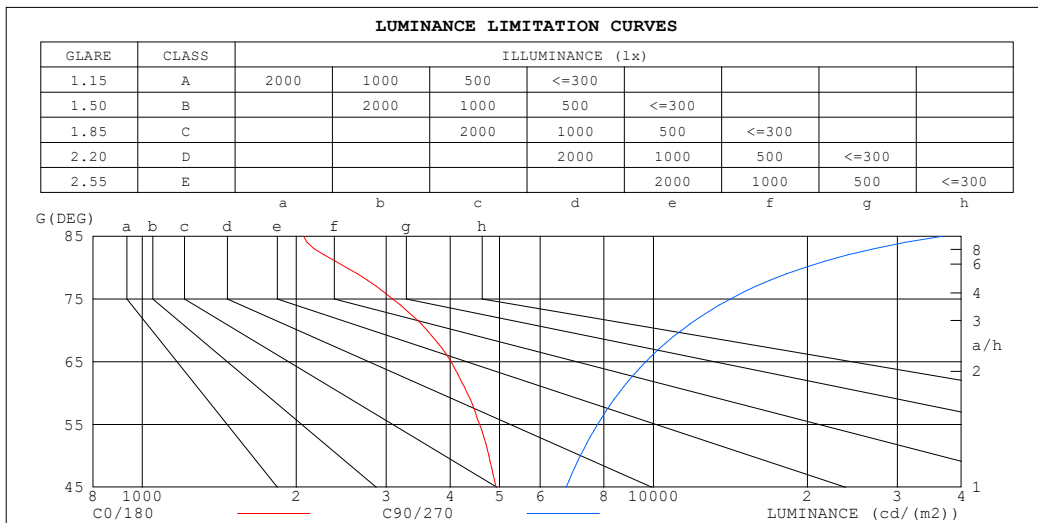
%lamp = 53.4%

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:119.84V I:0.2724A P:30.811W PF:0.9437 Freq:59.98Hz Lamp Flux:2538.48x1 lm		
NAME: WS36-033B-BN 30W 30K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.: 1
MFR.: EVERFINE	SUR.:	Shielding Angle:



LUMINANCE cd/(m2)		
G (DEG)	C0/180	C90/270
85	2066	36723
80	2510	19744
75	3088	14143
70	3608	11349
65	4017	9663
60	4322	8554
55	4567	7770
50	4763	7189
45	4916	6748

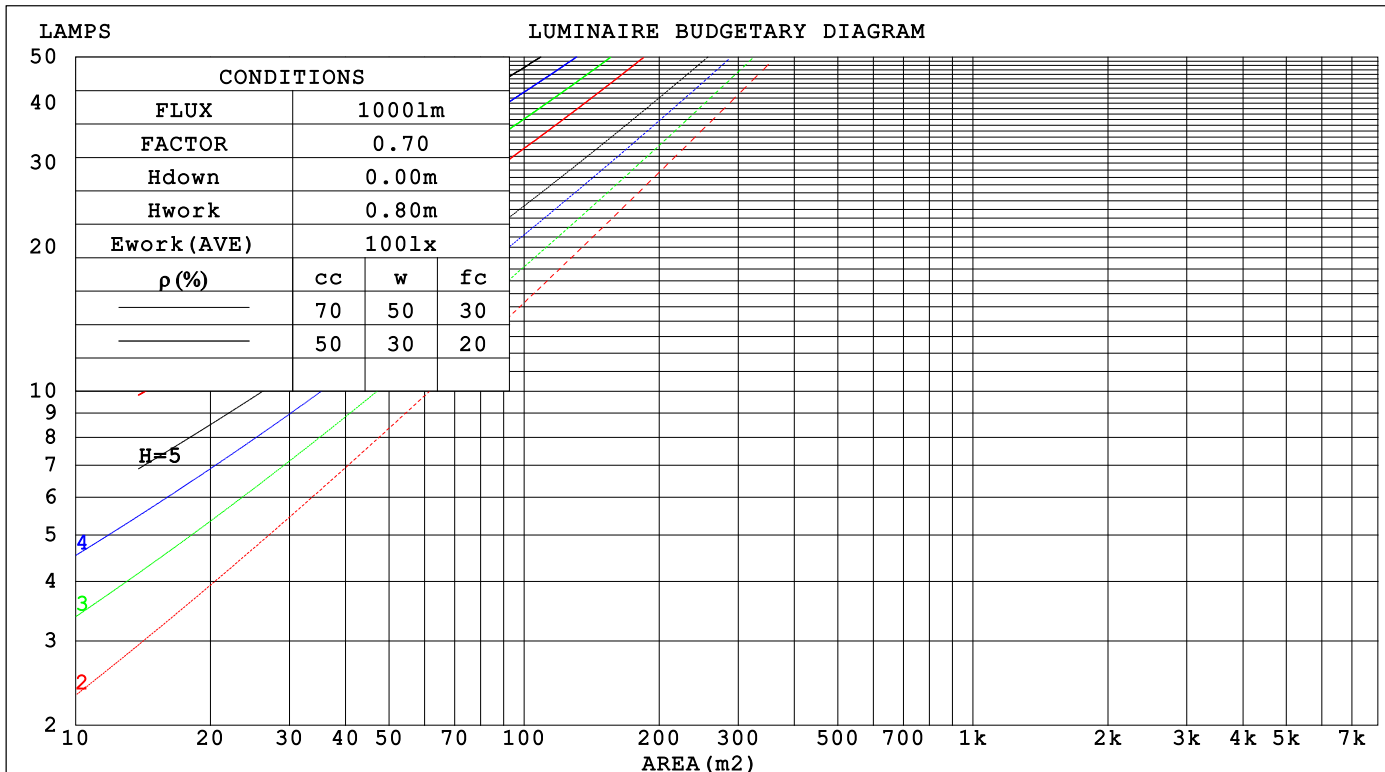
C Range: 0 - 360DEG
C Interval: 90.0DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:DAMIN
Test Date:10 February 2026

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:119.84V I:0.2724A P:30.811W PF:0.9437 Freq:59.98Hz Lamp Flux:2538.48x1 lm		
NAME: WS36-033B-BN 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 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	.37	.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:119.84V I:0.2724A P:30.811W PF:0.9437 Freq:59.98Hz Lamp Flux:2538.48x1 lm		
NAME: WS36-033B-BN 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	.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	.144	.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	.091	.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	.281	.257	.234	.193	.177	.162	.111	.102	.094	.035	.033	.030		
2.0	.322	.276	.238	.276	.238	.206	.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	.239	.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: 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:119.84V I:0.2724A P:30.811W PF:0.9437 Freq:59.98Hz Lamp Flux:2538.48x1 lm										
NAME: WS36-033B-BN 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	13.6	14.9	14.1	15.5	16.0	16.0	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	16.1	17.2	17.9	20.4	21.5	20.9	22.1	22.8
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	18.3	23.1	24.2	23.7	24.8	25.5
12H	15.9	17.0	16.6	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	18.1	18.7	19.4	20.5	20.1	21.1	21.8
4H	17.1	18.1	17.8	18.7	19.4	21.2	22.2	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	17.9	18.7	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	24.4	24.4	25.1	25.9
8H	19.5	20.1	20.2	20.9	21.7	25.0	25.6	25.7	26.3	27.2
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	20.0	20.7	21.4	22.2	22.1	22.9	23.7
6H	19.7	20.3	20.4	21.0	21.9	23.8	24.4	24.5	25.1	25.9
8H	20.3	20.8	21.0	21.6	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, 2538 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: 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:119.84V I:0.2724A P:30.811W PF:0.9437 Freq:59.98Hz Lamp Flux:2538.48x1 lm		
NAME: WS36-033B-BN 30W 30K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.: 1
MFR.: EVERFINE	SUR.:	Shielding Angle:

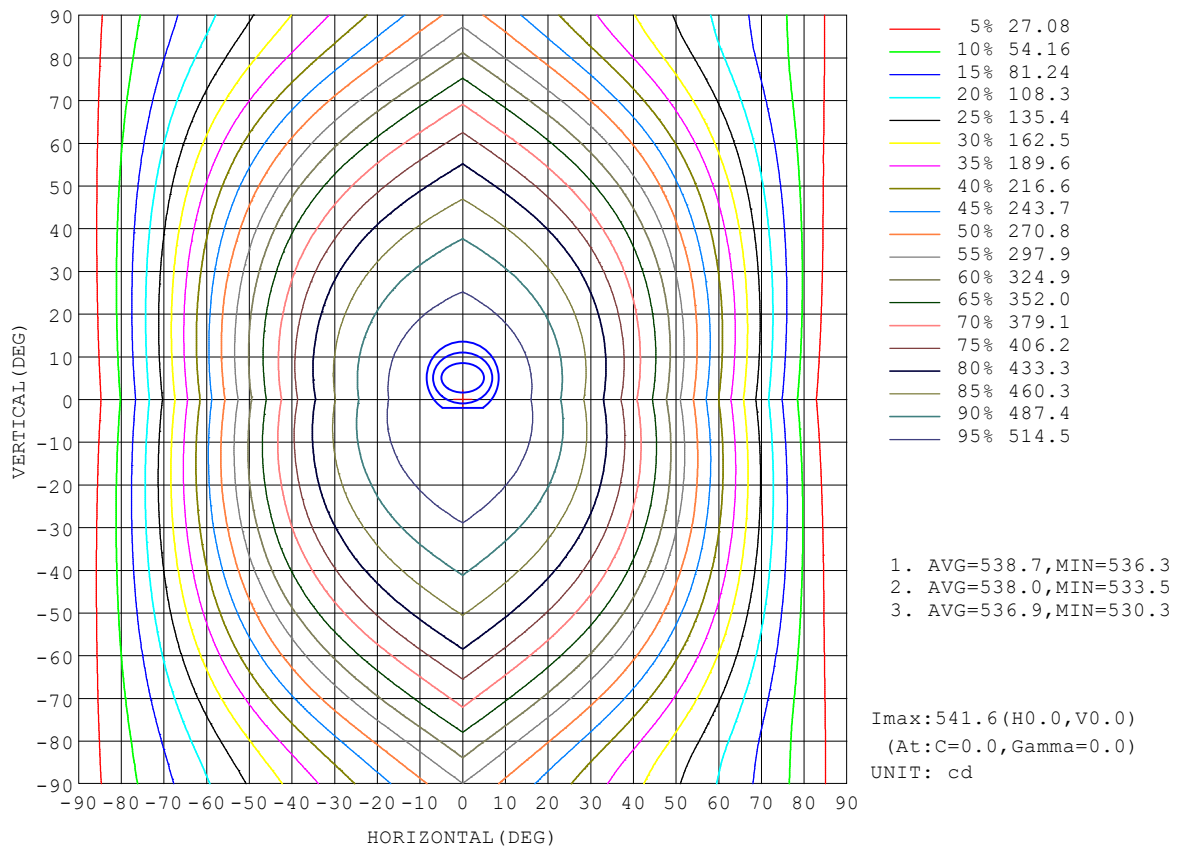
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS (PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	48	35	28	46	35	28	44	34	27	20
0.80	57	44	36	55	43	35	52	42	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:119.84V I:0.2724A P:30.811W PF:0.9437 Freq:59.98Hz Lamp Flux:2538.48x1 lm		
NAME: WS36-033B-BN 30W 30K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.: 1
MFR.: EVERFINE	SUR.:	Shielding Angle:

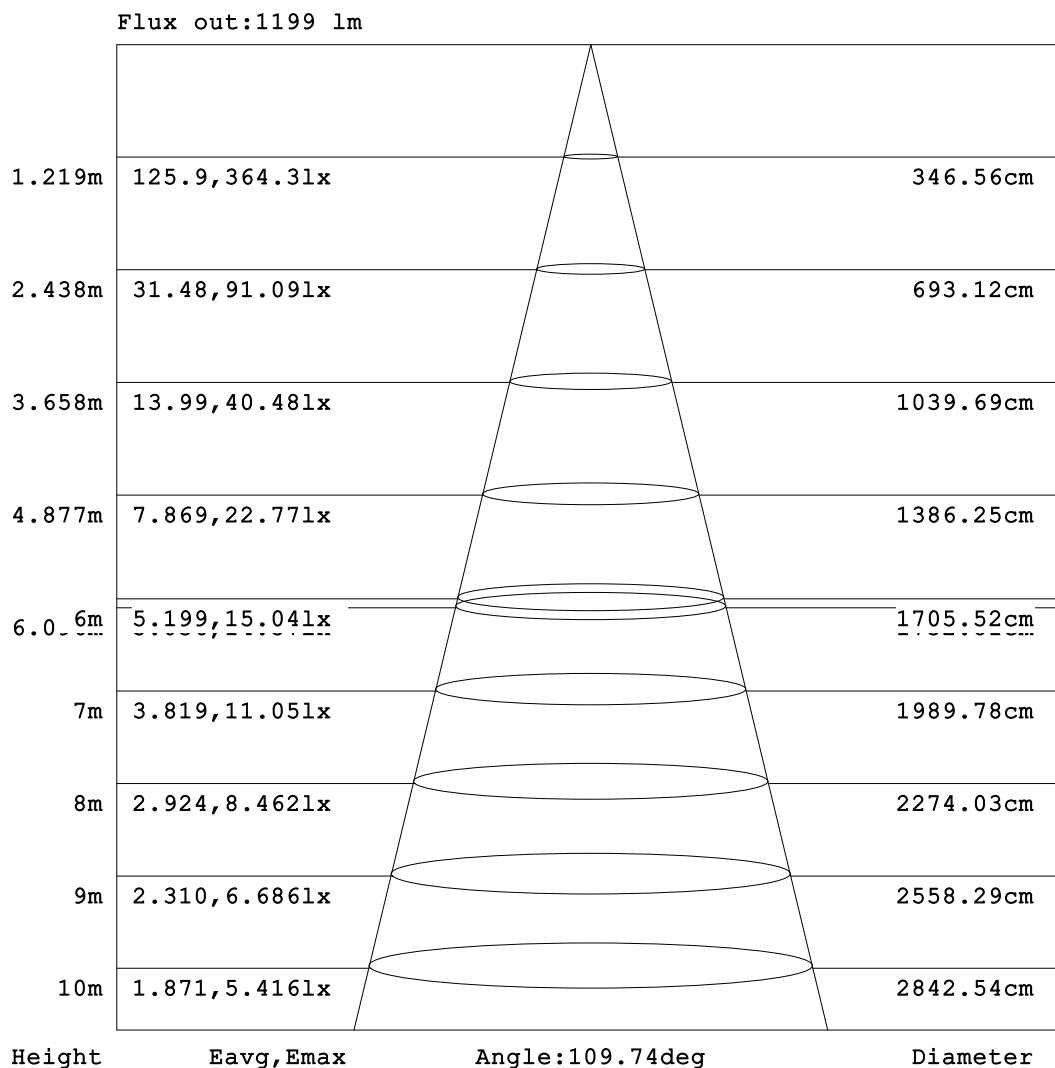


C Range: 0 - 360DEG
C Interval: 90.0DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:DAMIN
Test Date:10 February 2026

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:119.84V I:0.2724A P:30.811W PF:0.9437 Freq:59.98Hz Lamp Flux:2538.48x1 lm		
NAME: WS36-033B-BN 30W 30K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.: 1
MFR.: EVERFINE	SUR.:	Shielding Angle:



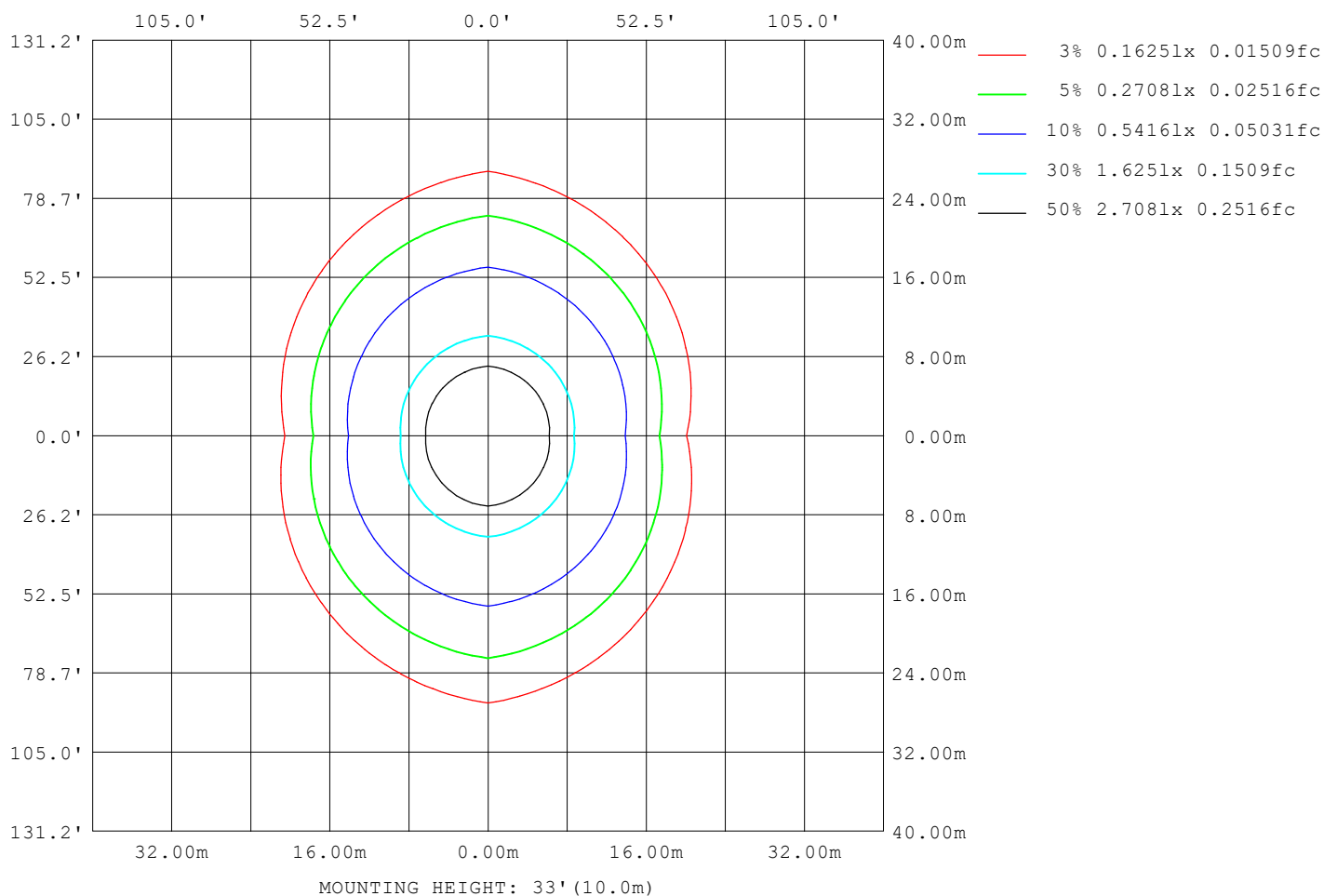
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

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:119.84V I:0.2724A P:30.811W PF:0.9437 Freq:59.98Hz Lamp Flux:2538.48x1 lm		
NAME: WS36-033B-BN 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:119.84V I:0.2724A P:30.811W PF:0.9437 Freq:59.98Hz Lamp Flux:2538.48x1 lm		
NAME: WS36-033B-BN 30W 30K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.: 1
MFR.: EVERFINE	SUR.:	Shielding Angle:

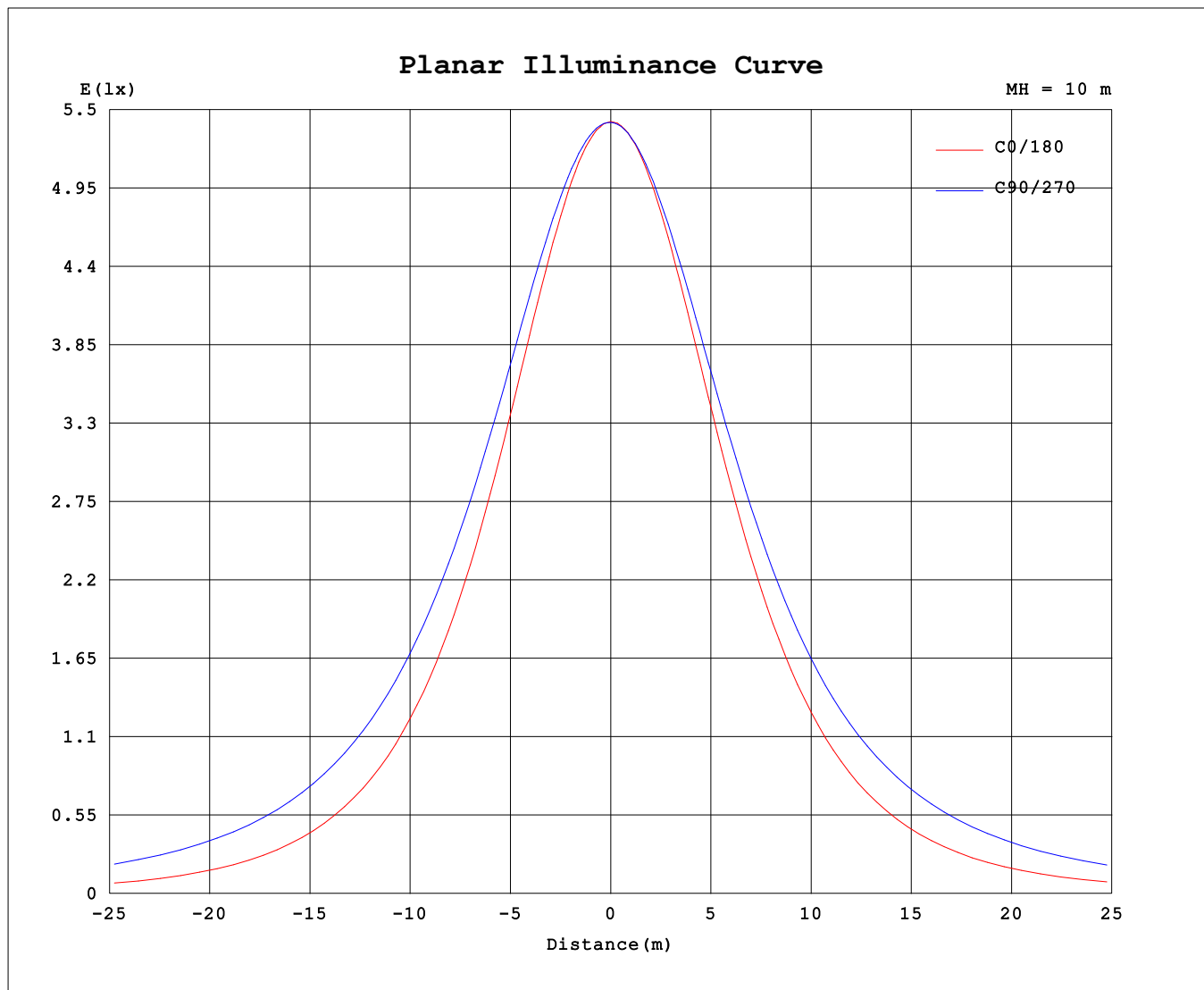
AvgL	cd/m2
L_0~180 (65) av	4189
L_0~180 (75) av	3372
L_0~180 (85) av	2509
L_90~270 (65) av	9515
L_90~270 (75) av	13890
L_90~270 (85) av	36015
L_45 (65) av	7529
L_45 (75) av	9964
L_45 (85) av	23478

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:119.84V I:0.2724A P:30.811W PF:0.9437 Freq:59.98Hz Lamp Flux:2538.48x1 lm		
NAME: WS36-033B-BN 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	542	541	542	541															
5	538	541	540	540															
10	530	538	533	536															
15	517	534	522	530															
20	500	529	505	523															
25	478	522	484	515															
30	451	513	459	505															
35	420	502	430	494															
40	386	490	397	481															
45	348	477	360	466															
50	306	462	320	450															
55	262	446	277	434															
60	216	428	231	416															
65	170	408	184	396															
70	123	388	138	375															
75	79.9	366	94.6	353															
80	43.6	343	55.6	330															
85	18.0	320	25.7	308															
90	11.3	298	10.0	285															
95	12.4	262	10.3	252															
100	14.3	195	11.9	190															
105	16.5	170	14.2	163															
110	19.2	165	17.2	153															
115	21.4	150	19.4	144															
120	22.4	118	19.5	112															
125	24.2	101	20.7	97.9															
130	25.1	90.9	21.2	88.0															
135	25.3	81.2	21.6	77.4															
140	27.3	72.2	23.5	66.5															
145	28.7	64.1	24.8	59.4															
150	28.4	55.0	24.5	53.3															
155	28.4	48.6	24.5	46.7															
160	28.6	43.8	25.1	42.7															
165	31.6	44.4	29.7	41.9															
170	34.1	39.7	32.6	36.7															
175	36.5	24.2	35.6	23.7															
180	38.0	23.5	38.0	23.5															

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: