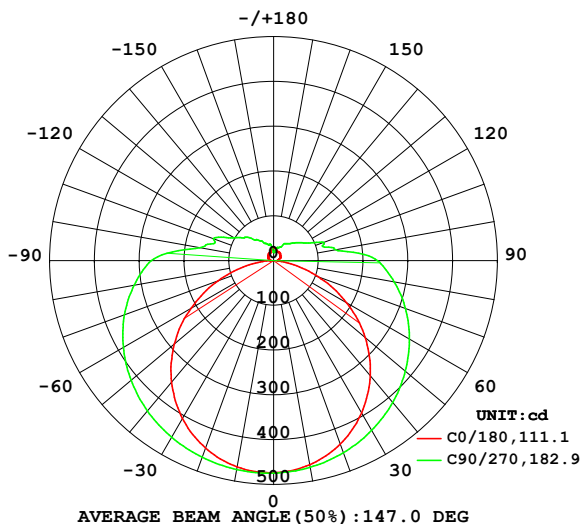


LUMINAIRE PHOTOMETRIC TEST REPORT

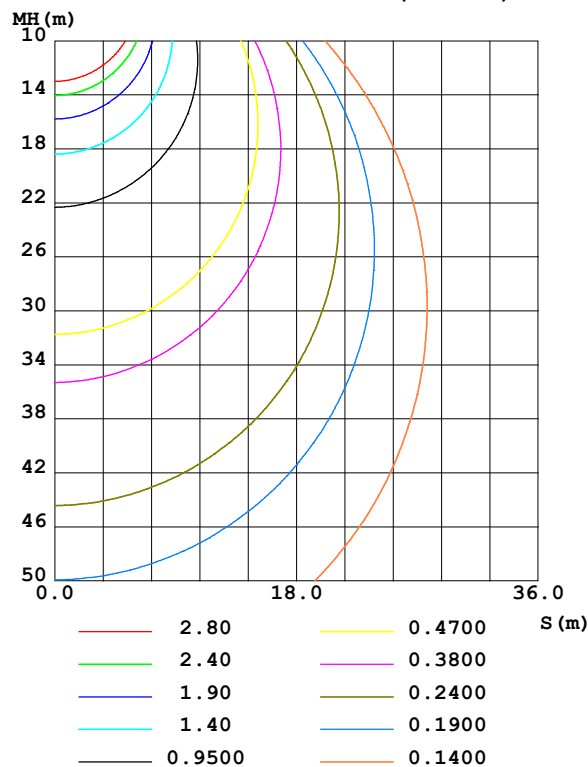
Test:U:119.86V I:0.2666A P:29.893W PF:0.9354 Freq:59.98Hz Lamp Flux:2196.91x1 lm		
NAME: WS36-033B-BK 30W 27K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.: 1
MFR.: EVERFINE	SUR.:	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA				Eff: 73.49 lm/W
MODEL	2700K	I _{max} (cd)	475.2	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)	2196.9	η UP,DN(C0-180)	8.0,39.5	
NOMINAL FLUX(lm)	2196.91	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	462.8	468.8	468.1	473.8					0- 10	44.99	44.99	2.05,2.05
20	435.8	456.5	445.3	467.1					10- 20	130.3	175.3	7.98,7.98
30	393.0	437.9	407.2	455.6					20- 30	202.4	377.7	17.2,17.2
40	336.0	413.4	355.0	438.4					30- 40	254.1	631.8	28.8,28.8
50	267.2	384.0	289.6	415.6					40- 50	280.7	912.5	41.5,41.5
60	188.7	350.2	212.7	387.5					50- 60	279.9	1192	54.3,54.3
70	105.9	313.5	132.2	354.6					60- 70	253.7	1446	65.8,65.8
80	33.89	273.2	55.15	316.1					70- 80	208.8	1655	75.3,75.3
90	8.086	231.6	8.893	273.4					80- 90	161.0	1816	82.7,82.7
100	10.33	141.8	9.326	167.6					90-100	117.5	1933	88,88
110	14.60	119.1	12.93	143.4					100-110	78.52	2012	91.6,91.6
120	17.01	79.59	15.29	102.4					110-120	62.43	2074	94.4,94.4
130	19.00	62.13	16.75	81.66					120-130	43.95	2118	96.4,96.4
140	21.32	49.51	18.71	60.88					130-140	31.65	2150	97.9,97.9
150	22.16	36.75	19.62	49.25					140-150	22.50	2173	98.9,98.9
160	22.72	30.55	20.15	38.99					150-160	13.73	2186	99.5,99.5
170	26.90	25.60	25.57	35.67					160-170	8.131	2194	99.9,99.9
180	29.70	19.47	29.71	19.43					170-180	2.522	2197	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

Conical surface Flux(90deg): 770.53 lm

%lum = 35.1%

%lamp = 35.1%

Conical surface Flux(120deg): 1192.4 lm

%lum = 54.3%

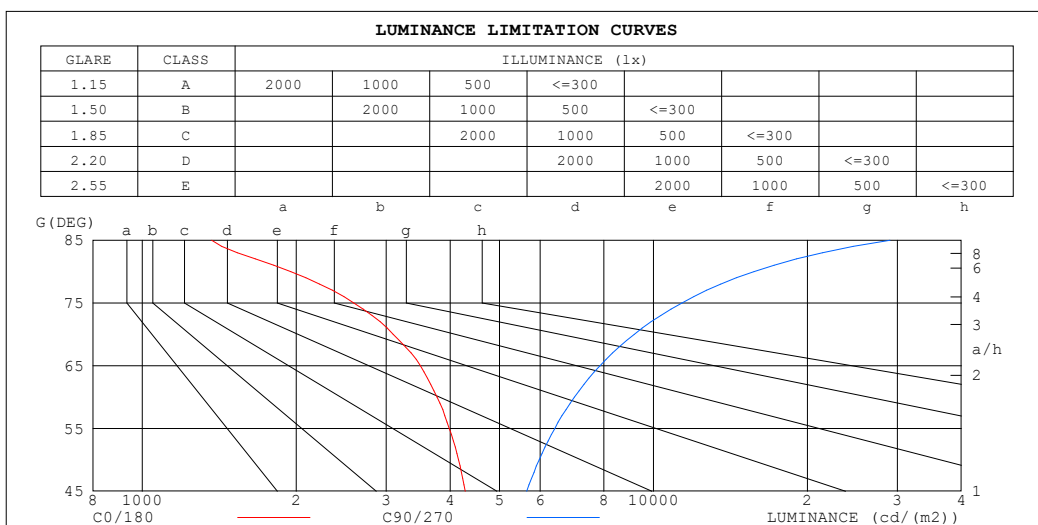
%lamp = 54.3%

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:0.2666A P:29.893W PF:0.9354 Freq:59.98Hz Lamp Flux:2196.91x1 lm		
NAME: WS36-033B-BK 30W 27K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.: 1
MFR.: EVERFINE	SUR.:	Shielding Angle:



LUMINANCE cd/(m2)		
G (DEG)	C0/180	C90/270
85	1366	29009
80	1952	15730
75	2594	11362
70	3098	9167
65	3498	7861
60	3774	7005
55	3986	6409
50	4156	5975
45	4286	5651

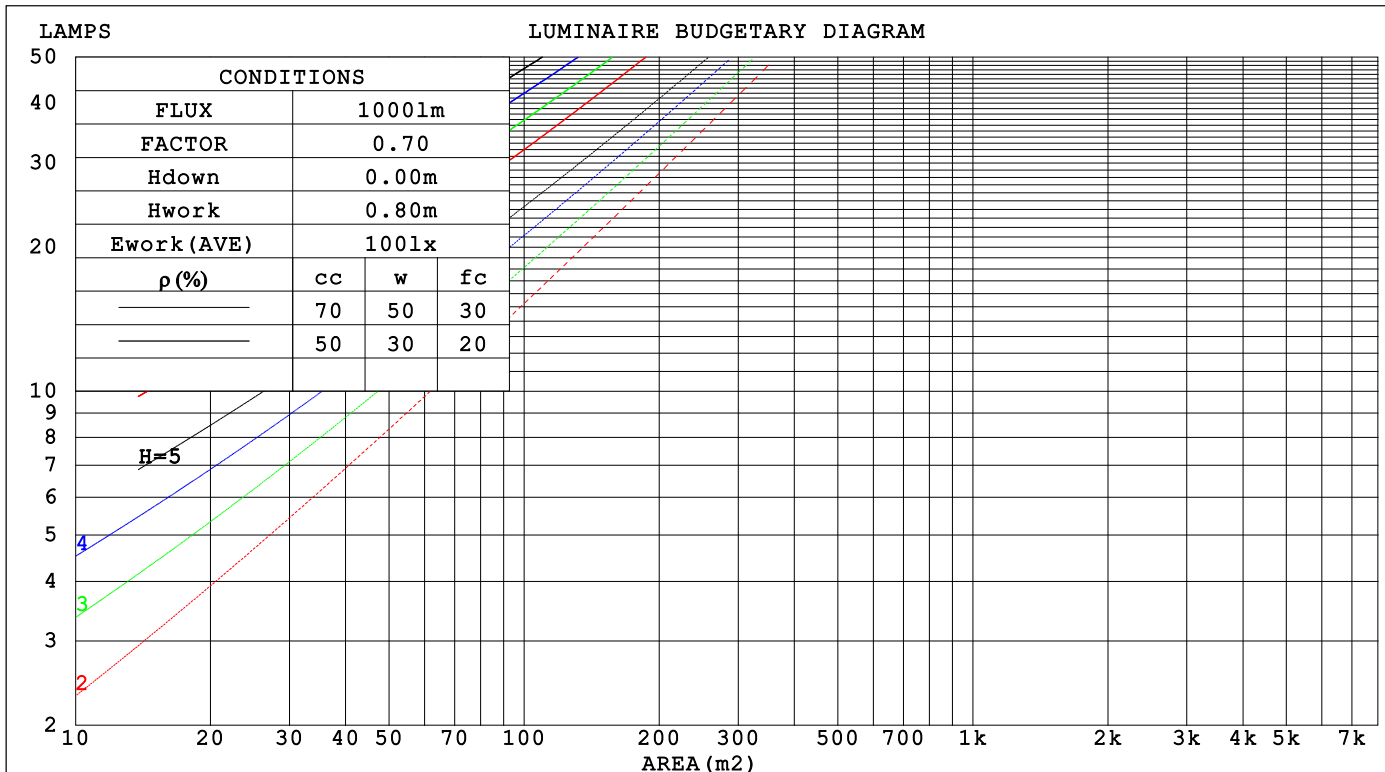
C Range: 0 - 360DEG
C Interval: 90.0DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:DAMIN
Test Date:10 February 2026

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:0.2666A P:29.893W PF:0.9354 Freq:59.98Hz Lamp Flux:2196.91x1 lm		
NAME: WS36-033B-BK 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	.93	.93	.93	.86	.86	.86	.83
1.0	.96	.90	.86	.92	.87	.83	.84	.80	.77	.77	.74	.71	.71	.69	.66	.63
2.0	.82	.74	.67	.78	.71	.65	.72	.66	.61	.66	.61	.57	.61	.57	.53	.50
3.0	.71	.62	.55	.68	.60	.53	.63	.56	.50	.57	.52	.47	.53	.48	.44	.41
4.0	.62	.53	.46	.60	.51	.44	.55	.48	.42	.51	.44	.39	.46	.41	.37	.34
5.0	.55	.46	.39	.53	.44	.38	.49	.41	.36	.45	.39	.34	.42	.36	.32	.29
6.0	.49	.40	.33	.48	.39	.33	.44	.36	.31	.41	.34	.29	.37	.32	.28	.25
7.0	.45	.36	.29	.43	.34	.28	.40	.32	.27	.37	.30	.26	.34	.29	.24	.22
8.0	.41	.32	.26	.39	.31	.25	.36	.29	.24	.34	.27	.23	.31	.26	.22	.19
9.0	.37	.29	.23	.36	.28	.22	.33	.26	.21	.31	.25	.20	.29	.23	.19	.17
10.0	.34	.26	.21	.33	.25	.20	.31	.24	.19	.29	.23	.18	.27	.21	.18	.16



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:0.2666A P:29.893W PF:0.9354 Freq:59.98Hz Lamp Flux:2196.91x1 lm		
NAME: WS36-033B-BK 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	.384	.219	.069	.372	.212	.067	.348	.200	.064	.327	.189	.060	.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	.323	.323	.323	.276	.276	.276	.188	.188	.188	.108	.108	.108	.035	.035	.035		
1.0	.319	.289	.262	.273	.248	.225	.187	.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	.255	.205	.166	.175	.143	.117	.101	.084	.069	.033	.027	.023		
5.0	.289	.227	.181	.248	.196	.158	.171	.137	.111	.099	.081	.066	.032	.026	.022		
6.0	.282	.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	.231	.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	.160	.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:0.2666A P:29.893W PF:0.9354 Freq:59.98Hz Lamp Flux:2196.91x1 lm										
NAME: WS36-033B-BK 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	13.5	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	19.0	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	19.2	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	21.5	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, 2197 lm Total Lamp Luminous Flux Correct (8log(F/F0) = 2.7)
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:0.2666A P:29.893W PF:0.9354 Freq:59.98Hz Lamp Flux:2196.91x1 lm		
NAME: WS36-033B-BK 30W 27K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.: 1
MFR.: EVERFINE	SUR.:	Shielding Angle:

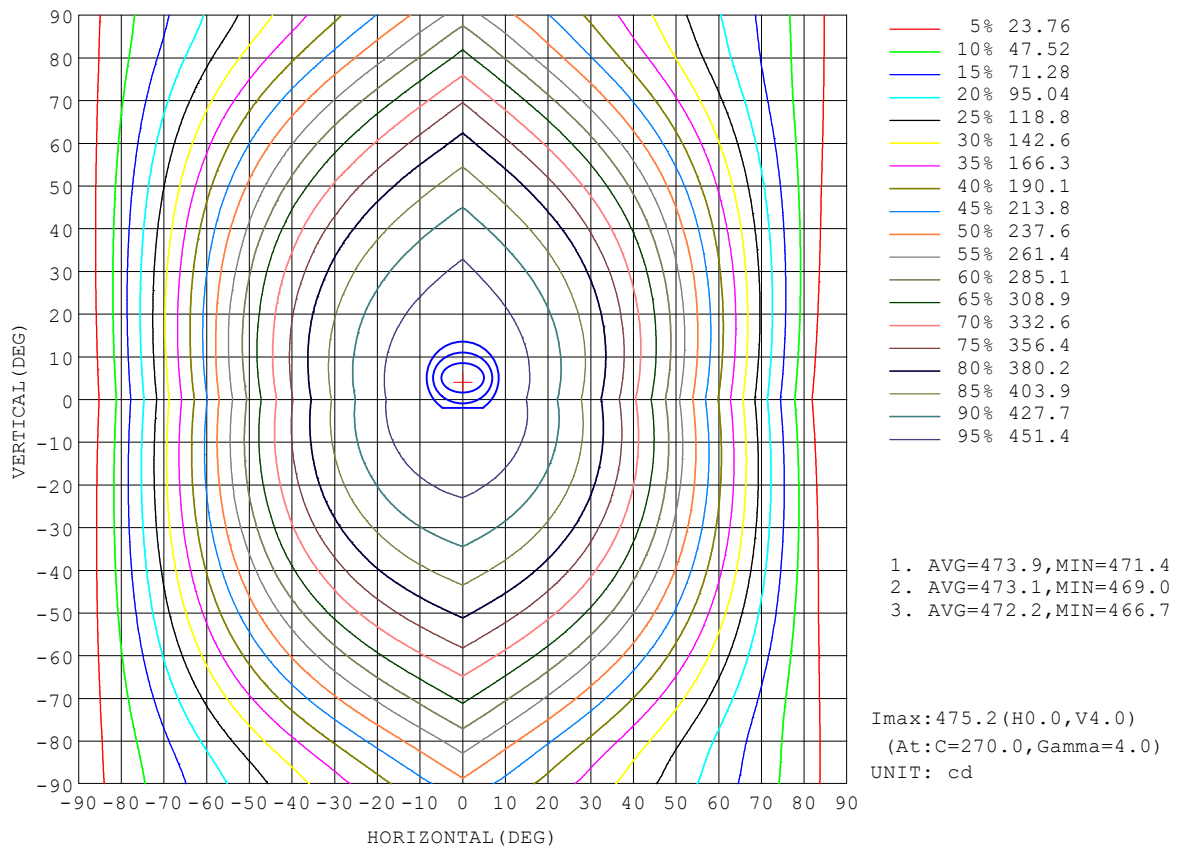
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS (PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	48	35	28	47	35	28	45	34	27	21
0.80	57	44	36	55	43	36	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	64
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:119.86V I:0.2666A P:29.893W PF:0.9354 Freq:59.98Hz Lamp Flux:2196.91x1 lm		
NAME: WS36-033B-BK 30W 27K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.: 1
MFR.: EVERFINE	SUR.:	Shielding Angle:

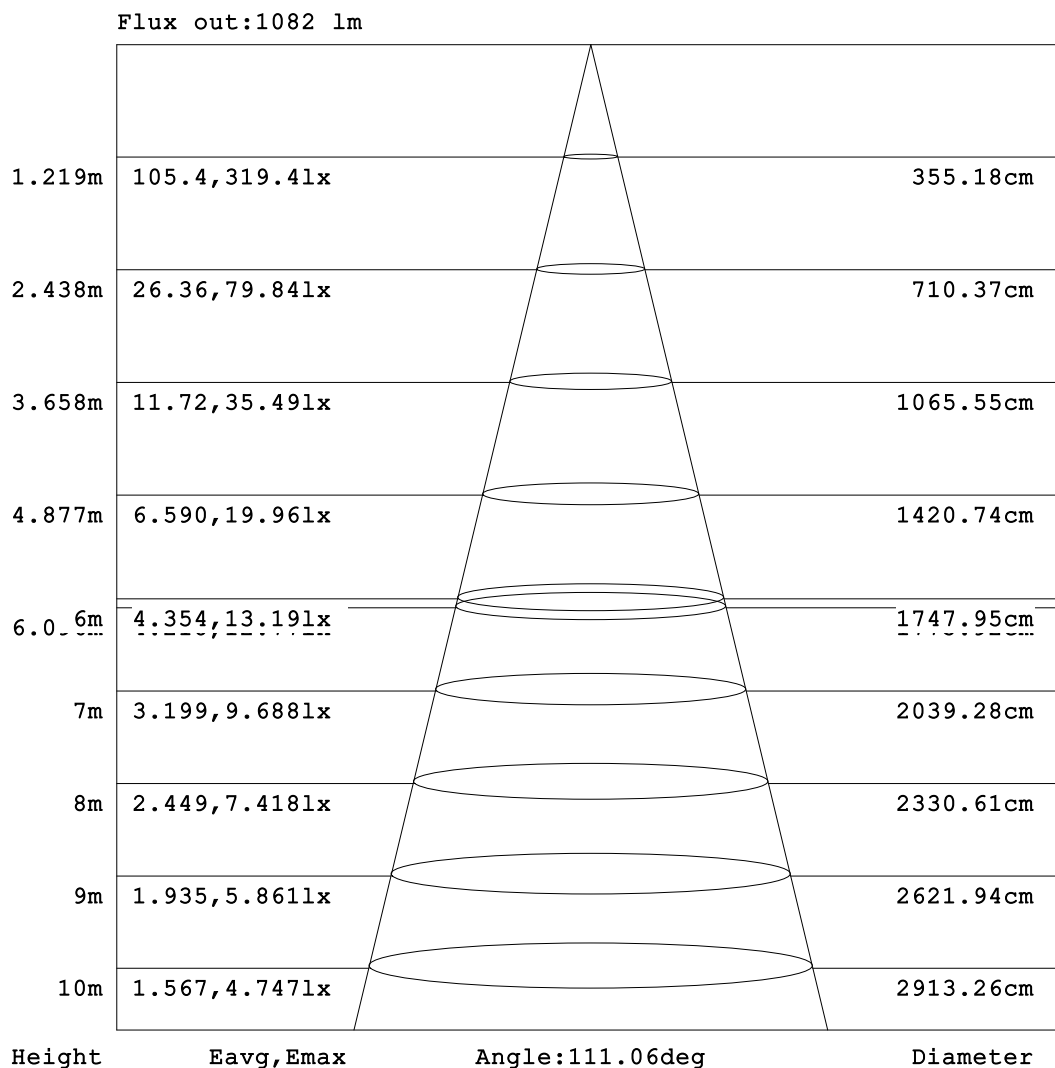


C Range: 0 - 360DEG
C Interval: 90.0DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:DAMIN
Test Date:10 February 2026

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:119.86V I:0.2666A P:29.893W PF:0.9354 Freq:59.98Hz Lamp Flux:2196.91x1 lm		
NAME: WS36-033B-BK 30W 27K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.: 1
MFR.: EVERFINE	SUR.:	Shielding Angle:



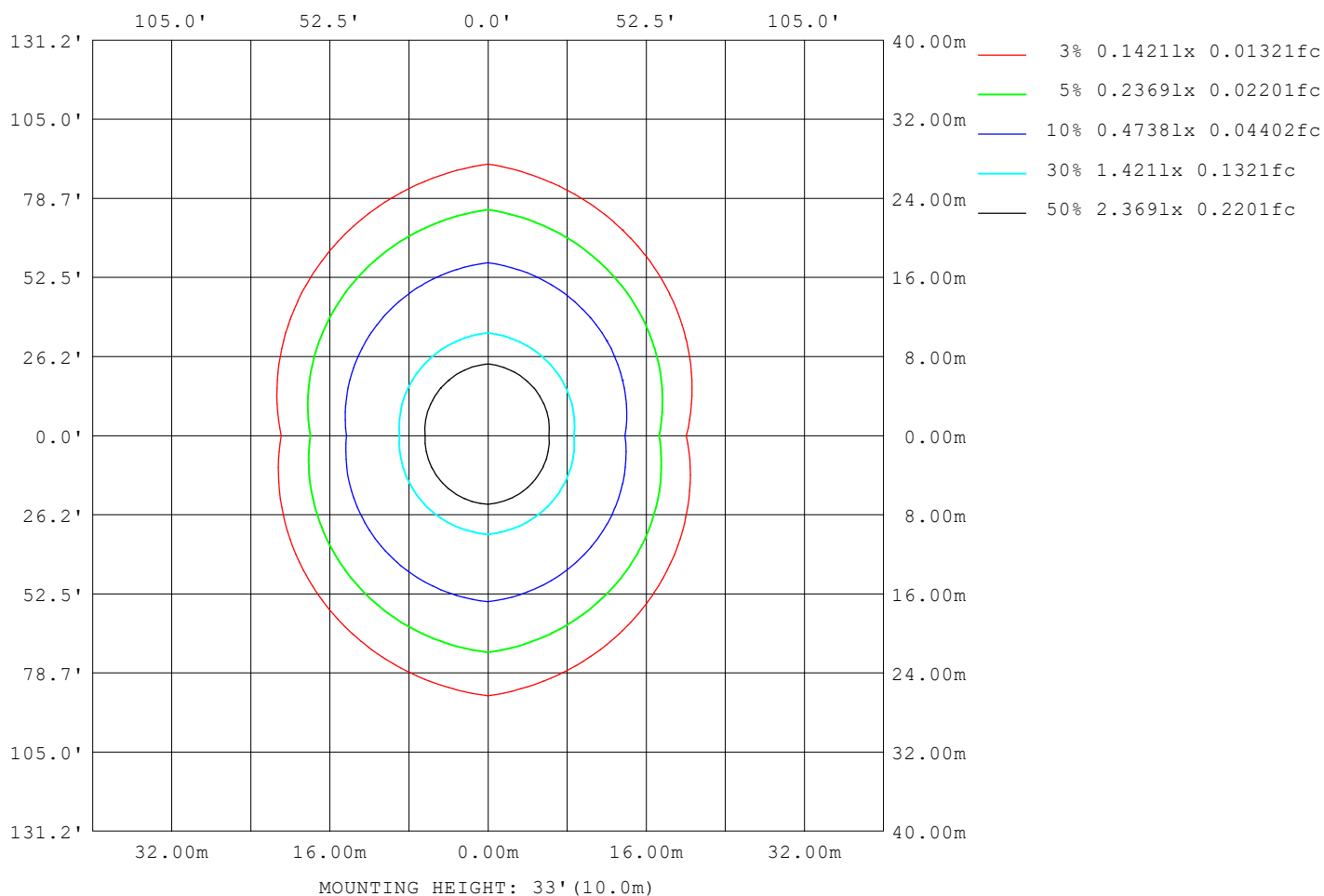
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

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:119.86V I:0.2666A P:29.893W PF:0.9354 Freq:59.98Hz Lamp Flux:2196.91x1 lm		
NAME: WS36-033B-BK 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:119.86V I:0.2666A P:29.893W PF:0.9354 Freq:59.98Hz Lamp Flux:2196.91x1 lm		
NAME: WS36-033B-BK 30W 27K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.: 1
MFR.: EVERFINE	SUR.:	Shielding Angle:

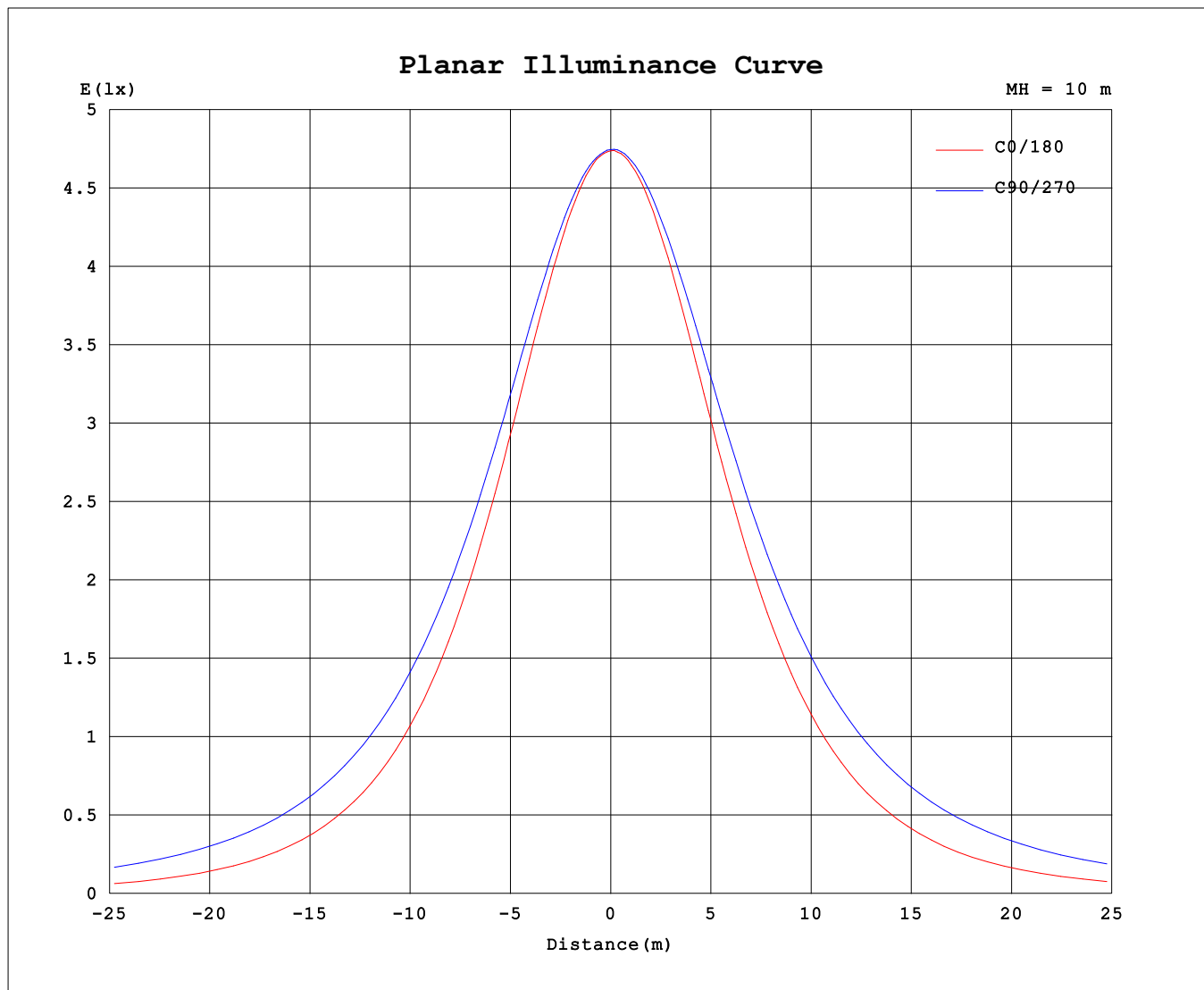
AvgL	cd/m2
L_0~180 (65) av	3793
L_0~180 (75) av	3080
L_0~180 (85) av	2096
L_90~270 (65) av	8327
L_90~270 (75) av	12171
L_90~270 (85) av	31479
L_45 (65) av	6645
L_45 (75) av	8792
L_45 (85) av	20506

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:0.2666A P:29.893W PF:0.9354 Freq:59.98Hz Lamp Flux:2196.91x1 lm		
NAME: WS36-033B-BK 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	474	475	474	475														
5	471	472	473	475														
10	463	469	468	474														
15	451	464	459	471														
20	436	456	445	467														
25	416	448	428	462														
30	393	438	407	456														
35	366	426	383	448														
40	336	413	355	438														
45	303	400	324	427														
50	267	384	290	416														
55	229	368	253	402														
60	189	350	213	387														
65	148	332	173	372														
70	106	314	132	355														
75	67.1	294	92.3	336														
80	33.9	273	55.1	316														
85	11.9	253	24.6	296														
90	8.09	232	8.89	273														
95	8.91	191	8.51	227														
100	10.3	142	9.33	168														
105	12.3	118	10.9	146														
110	14.6	119	12.9	143														
115	16.3	94.8	14.7	123														
120	17.0	79.6	15.3	102														
125	18.5	70.4	16.1	90.3														
130	19.0	62.1	16.7	81.7														
135	19.7	54.9	17.2	71.1														
140	21.3	49.5	18.7	60.9														
145	22.2	46.3	19.8	54.5														
150	22.2	36.8	19.6	49.3														
155	22.4	33.3	19.7	42.7														
160	22.7	30.5	20.2	39.0														
165	25.0	30.8	23.0	38.0														
170	26.9	25.6	25.6	35.7														
175	28.8	18.6	27.8	25.8														
180	29.7	19.5	29.7	19.4														

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: