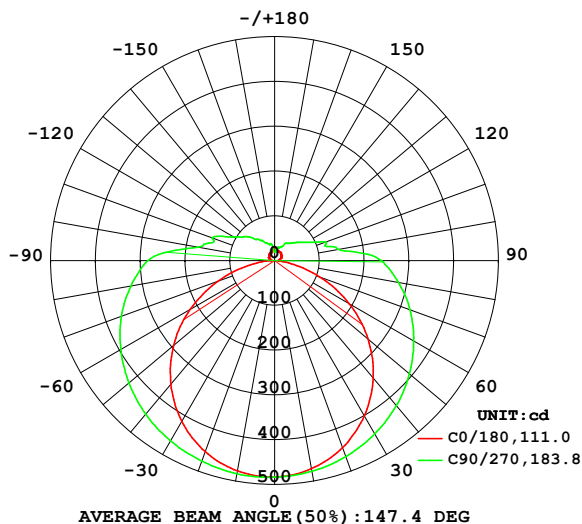


LUMINAIRE PHOTOMETRIC TEST REPORT

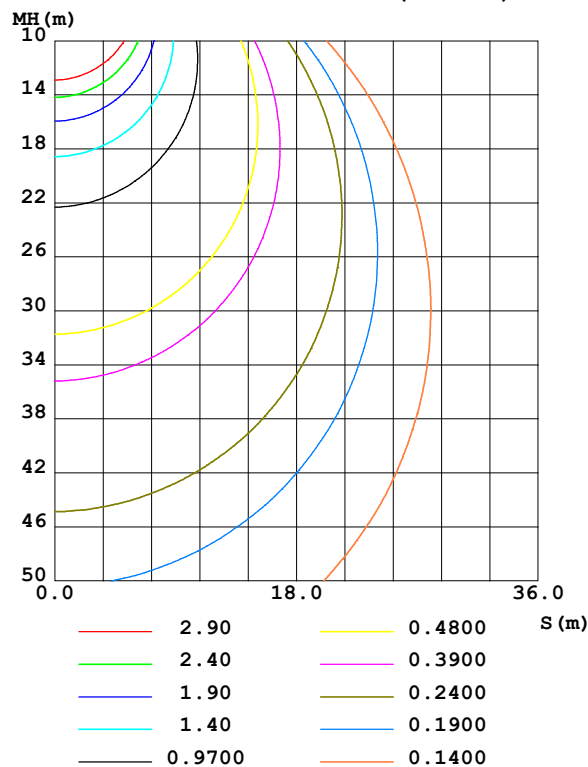
Test:U:119.85V I:0.2674A P:29.999W PF:0.9360 Freq:59.98Hz Lamp Flux:2247.67x1 lm		
NAME: WS36-033B-BK 30W 50K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.: 1
MFR.: EVERFINE	SUR.:	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 74.93 lm/W			
MODEL	5000K	I _{max} (cd)	484.6	S/MH(C0/180)	1.27
NOMINAL POWER(W)	30	LOR(%)	100.0	S/MH(C90/270)	1.45
RATED VOLTAGE(V)	120	TOTAL FLUX(lm)	2247.7	η UP,DN(C0-180)	8.0,39.4
NOMINAL FLUX(lm)	2247.67	CIE CLASS	SEMI-D.	η UP,DN(C180-360)	9.5,43.1
LAMPS INSIDE	1	η up(%)	17.5	CIBSE SHR NOM	1.50
TEST VOLTAGE(V)	120	η down(%)	82.5	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	472.1	477.9	477.0	483.4					0- 10	45.87	45.87	2.04, 2.04
20	444.5	465.7	453.8	476.5					10- 20	132.9	178.8	7.95, 7.95
30	400.8	447.1	414.8	464.7					20- 30	206.4	385.1	17.1, 17.1
40	342.8	422.9	360.7	447.8					30- 40	259.2	644.4	28.7, 28.7
50	272.7	393.3	294.2	424.9					40- 50	286.5	930.8	41.4, 41.4
60	192.9	358.8	216.9	396.6					50- 60	286.1	1217	54.1, 54.1
70	106.5	321.6	134.2	364.2					60- 70	259.5	1476	65.7, 65.7
80	32.09	280.7	54.60	325.7					70- 80	213.3	1690	75.2, 75.2
90	8.222	239.0	10.76	283.3					80- 90	165.6	1855	82.5, 82.5
100	10.45	145.8	9.585	174.5					90-100	121.7	1977	88, 88
110	14.74	122.1	13.11	148.3					100-110	81.02	2058	91.6, 91.6
120	17.31	81.69	15.69	105.8					110-120	64.41	2122	94.4, 94.4
130	19.31	63.55	17.06	83.70					120-130	45.10	2168	96.4, 96.4
140	21.65	50.62	19.00	62.28					130-140	32.37	2200	97.9, 97.9
150	22.45	37.39	19.91	50.22					140-150	22.95	2223	98.9, 98.9
160	23.09	31.03	20.47	39.85					150-160	13.99	2237	99.5, 99.5
170	27.38	26.31	25.97	36.54					160-170	8.280	2245	99.9, 99.9
180	30.27	19.86	30.22	19.85					170-180	2.572	2248	100, 100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

Conical surface Flux(90deg): 785.92 lm

%lum = 35.0%

%lamp = 35.0%

Conical surface Flux(120deg): 1216.9 lm

%lum = 54.1%

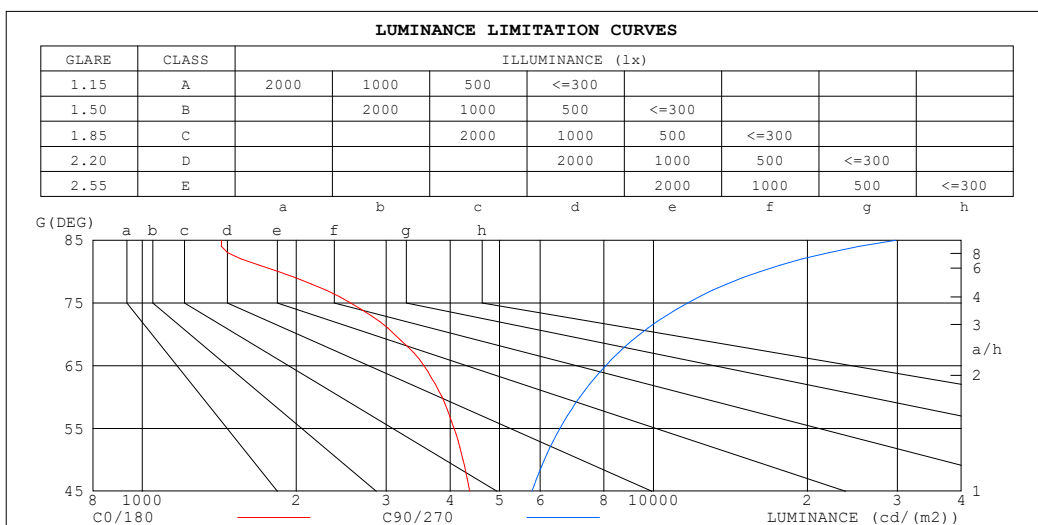
%lamp = 54.1%

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:0.2674A P:29.999W PF:0.9360 Freq:59.98Hz Lamp Flux:2247.67x1 lm		
NAME: WS36-033B-BK 30W 50K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.: 1
MFR.: EVERFINE	SUR.:	Shielding Angle:



LUMINANCE cd/(m2)		
G (DEG)	C0/180	C90/270
85	1429	29802
80	1848	16165
75	2556	11667
70	3115	9403
65	3557	8063
60	3858	7175
55	4072	6565
50	4242	6118
45	4371	5783

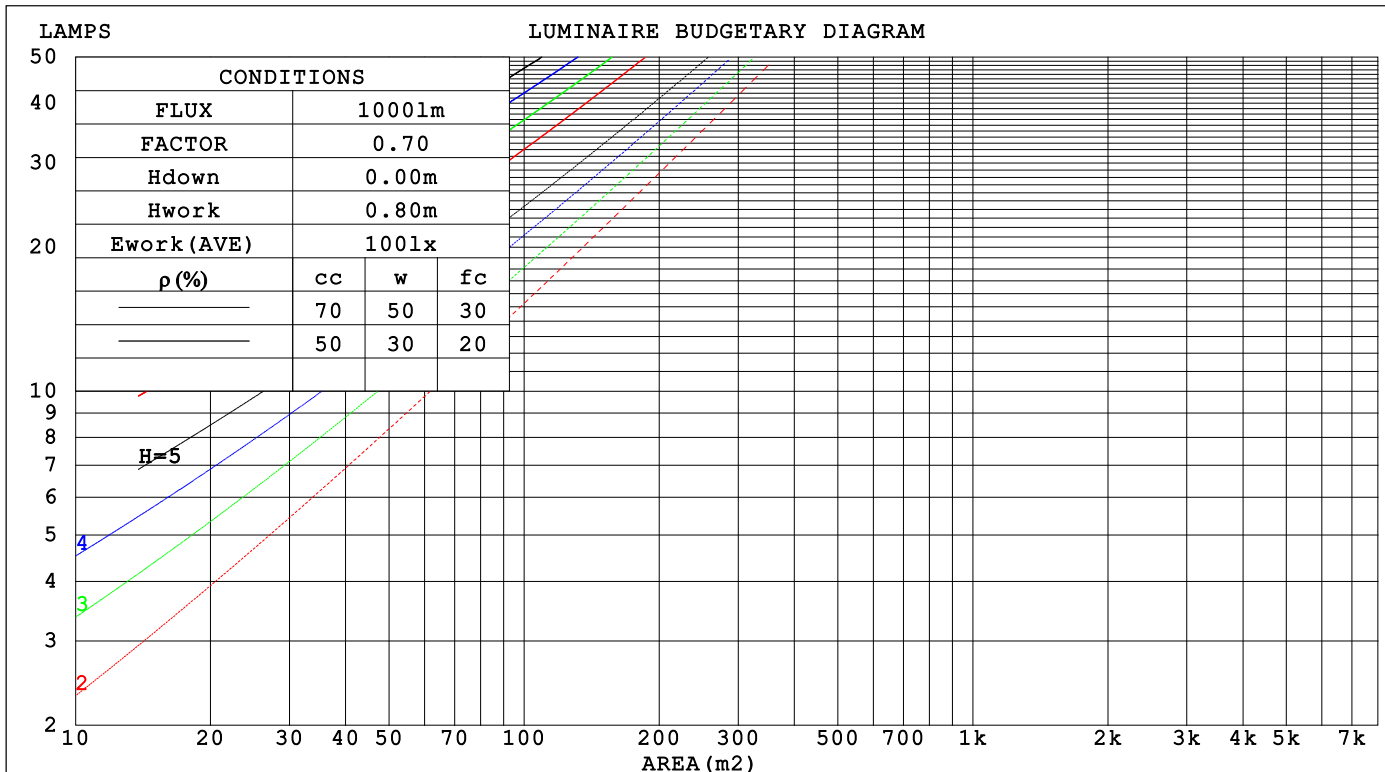
C Range: 0 - 360DEG
C Interval: 90.0DEG
Test Speed: HIGH
Temperature: 25.3 °C
Operators: DAMIN
Test Date: 10 February 2026

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:

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:119.85V I:0.2674A P:29.999W PF:0.9360 Freq:59.98Hz Lamp Flux:2247.67x1 lm		
NAME: WS36-033B-BK 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	.93	.93	.93	.86	.86	.86	.83
1.0	.96	.90	.86	.92	.87	.83	.84	.80	.77	.77	.74	.71	.71	.68	.66	.63
2.0	.82	.74	.67	.78	.71	.65	.72	.66	.61	.66	.61	.57	.60	.57	.53	.50
3.0	.71	.62	.55	.68	.60	.53	.62	.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	.41	.36	.32	.29
6.0	.49	.40	.33	.48	.39	.32	.44	.36	.31	.41	.34	.29	.37	.32	.28	.25
7.0	.45	.35	.29	.43	.34	.28	.40	.32	.27	.37	.30	.26	.34	.28	.24	.22
8.0	.40	.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	.17	.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:119.85V I:0.2674A P:29.999W PF:0.9360 Freq:59.98Hz Lamp Flux:2247.67x1 lm		
NAME: WS36-033B-BK 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	.385	.219	.069	.372	.212	.067	.349	.200	.064	.327	.189	.061	.307	.178	.057		
2.0	.334	.183	.056	.322	.178	.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	.200	.103	.030	.187	.097	.029	.174	.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	.131	.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	.189	.189	.189	.108	.108	.108	.035	.035	.035		
1.0	.320	.290	.263	.273	.249	.226	.187	.171	.156	.108	.099	.091	.034	.032	.029		
2.0	.313	.267	.228	.268	.230	.197	.184	.159	.137	.106	.092	.081	.034	.030	.026		
3.0	.305	.250	.206	.262	.216	.179	.180	.150	.125	.104	.088	.074	.033	.028	.024		
4.0	.298	.238	.192	.255	.205	.167	.176	.143	.117	.102	.084	.069	.033	.027	.023		
5.0	.290	.228	.182	.249	.197	.158	.171	.138	.112	.099	.081	.066	.032	.026	.022		
6.0	.282	.220	.175	.243	.190	.152	.167	.133	.108	.097	.078	.064	.031	.026	.021		
7.0	.275	.213	.170	.237	.185	.148	.164	.130	.105	.095	.076	.062	.031	.025	.021		
8.0	.269	.208	.166	.231	.180	.145	.160	.127	.103	.093	.075	.061	.030	.024	.020		
9.0	.262	.203	.163	.226	.176	.142	.157	.124	.101	.091	.073	.060	.030	.024	.020		
10.0	.257	.199	.160	.221	.173	.140	.153	.121	.099	.089	.072	.059	.029	.024	.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:119.85V I:0.2674A P:29.999W PF:0.9360 Freq:59.98Hz Lamp Flux:2247.67x1 lm											
NAME: WS36-033B-BK 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		13.5	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	19.0	20.2	20.8
4H		15.3	16.6	15.9	17.1	17.7	20.0	21.2	20.5	21.7	22.3
6H		15.6	16.7	16.2	17.3	17.9	21.7	22.8	22.2	23.4	24.0
8H		15.6	16.7	16.2	17.3	18.0	22.6	23.7	23.2	24.3	25.0
12H		15.7	16.7	16.2	17.3	18.0	23.8	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		16.2	17.3	16.8	17.9	18.5	19.1	20.2	19.7	20.7	21.4
4H		16.9	17.9	17.5	18.5	19.2	20.8	21.8	21.4	22.4	23.1
6H		17.4	18.2	18.0	18.9	19.6	22.7	23.6	23.4	24.2	25.0
8H		17.5	18.3	18.2	19.0	19.7	23.8	24.6	24.5	25.3	26.0
12H		17.6	18.4	18.3	19.0	19.8	25.1	25.9	25.8	26.5	27.3
8H 4H		17.9	18.7	18.5	19.3	20.1	21.0	21.9	21.7	22.5	23.3
6H		18.7	19.4	19.4	20.1	20.9	23.2	23.9	23.9	24.6	25.4
8H		19.1	19.7	19.8	20.4	21.2	24.5	25.1	25.2	25.8	26.6
12H		19.4	19.9	20.1	20.6	21.5	26.0	26.6	26.8	27.3	28.1
12H 4H		18.2	19.0	18.9	19.6	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		19.8	20.3	20.5	21.1	21.9	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, 2248 lm Total Lamp Luminous Flux Correct (8log(F/F0) = 2.8)
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:0.2674A P:29.999W PF:0.9360 Freq:59.98Hz Lamp Flux:2247.67x1 lm		
NAME: WS36-033B-BK 30W 50K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.: 1
MFR.: EVERFINE	SUR.:	Shielding Angle:

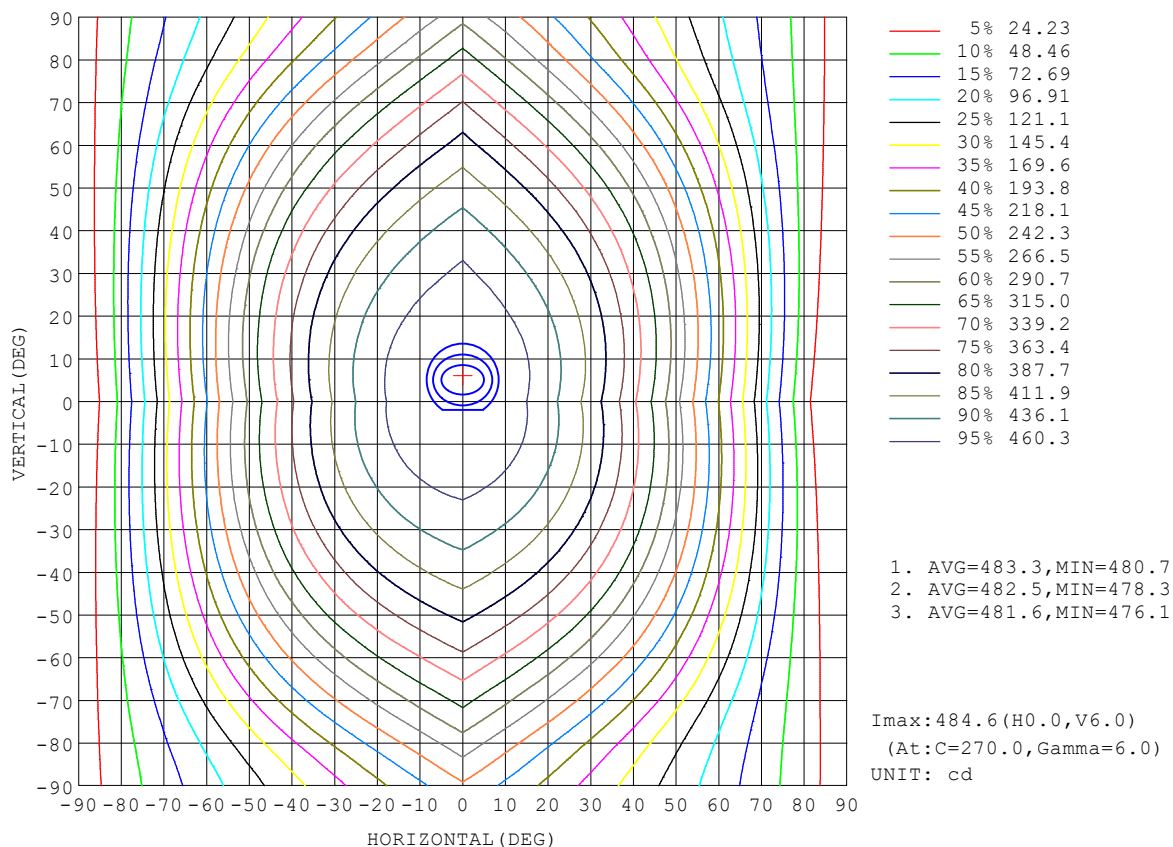
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS (PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	48	35	28	47	35	28	45	34	27	21
0.80	57	44	36	55	43	36	53	42	35	27
1.00	65	52	43	63	51	43	59	51	42	33
1.25	72	59	51	69	58	50	65	55	48	38
1.50	77	65	56	74	63	55	69	60	53	43
2.00	84	73	65	81	71	63	75	67	61	49
2.50	89	78	71	85	76	69	79	72	65	53
3.00	92	83	76	89	80	74	82	75	70	57
4.00	97	89	83	93	86	80	86	80	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:119.85V I:0.2674A P:29.999W PF:0.9360 Freq:59.98Hz Lamp Flux:2247.67x1 lm		
NAME: WS36-033B-BK 30W 50K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.: 1
MFR.: EVERFINE	SUR.:	Shielding Angle:

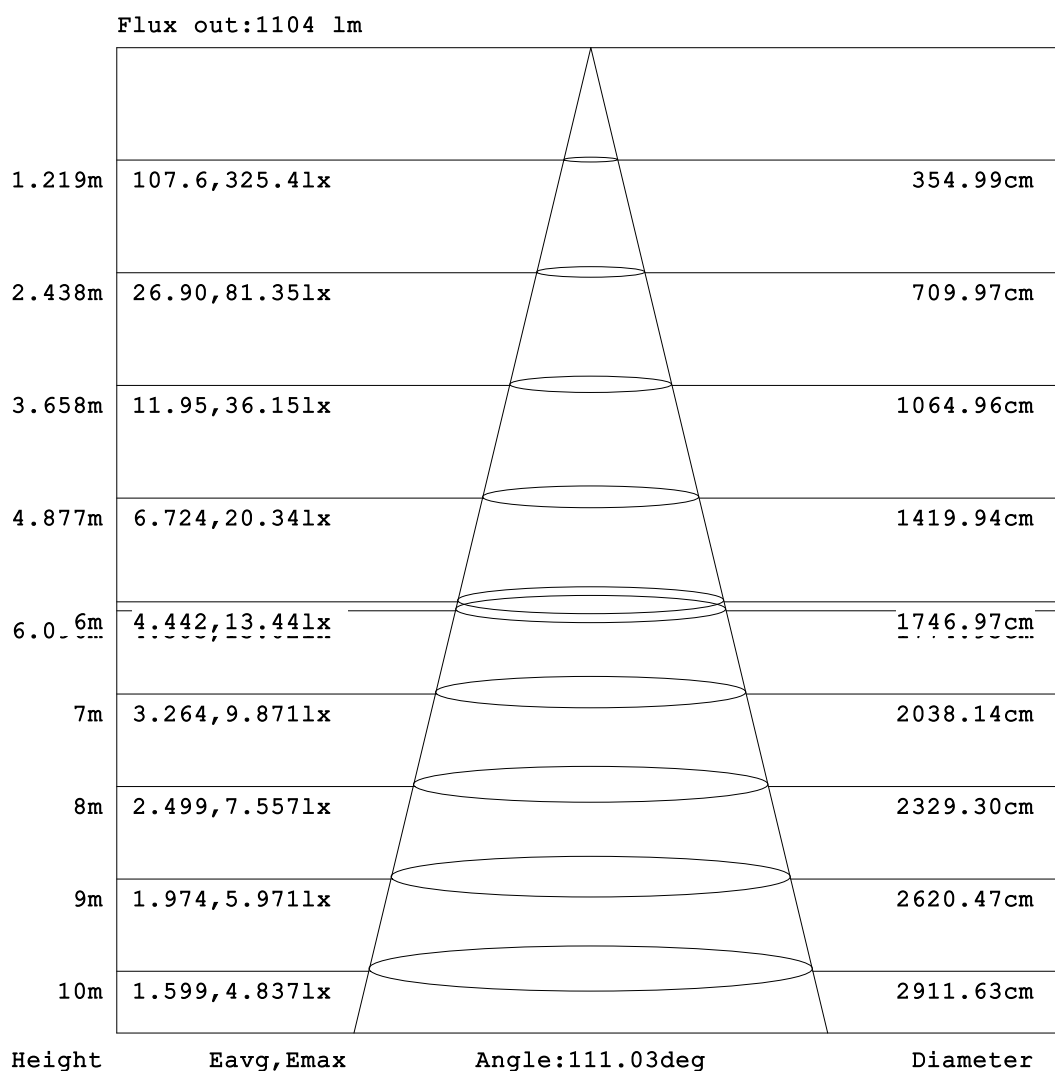


C Range: 0 - 360DEG
C Interval: 90.0DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:DAMIN
Test Date:10 February 2026

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:0.2674A P:29.999W PF:0.9360 Freq:59.98Hz Lamp Flux:2247.67x1 lm		
NAME: WS36-033B-BK 30W 50K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.: 1
MFR.: EVERFINE	SUR.:	Shielding Angle:



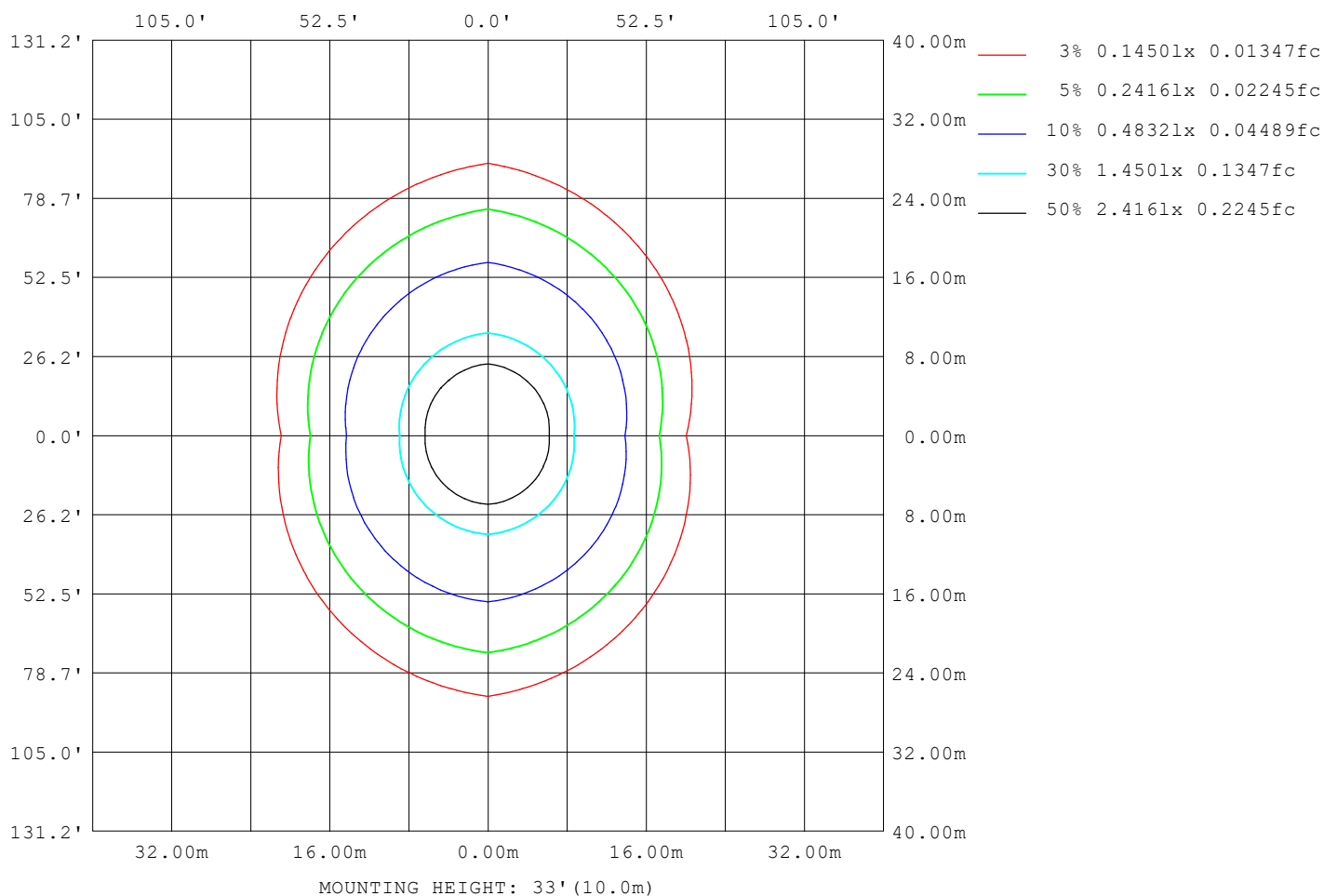
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
C Interval: 90.0DEG
Test Speed: 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:0.2674A P:29.999W PF:0.9360 Freq:59.98Hz Lamp Flux:2247.67x1 lm		
NAME: WS36-033B-BK 30W 50K	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:0.2674A P:29.999W PF:0.9360 Freq:59.98Hz Lamp Flux:2247.67x1 lm		
NAME: WS36-033B-BK 30W 50K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.: 1
MFR.: EVERFINE	SUR.:	Shielding Angle:

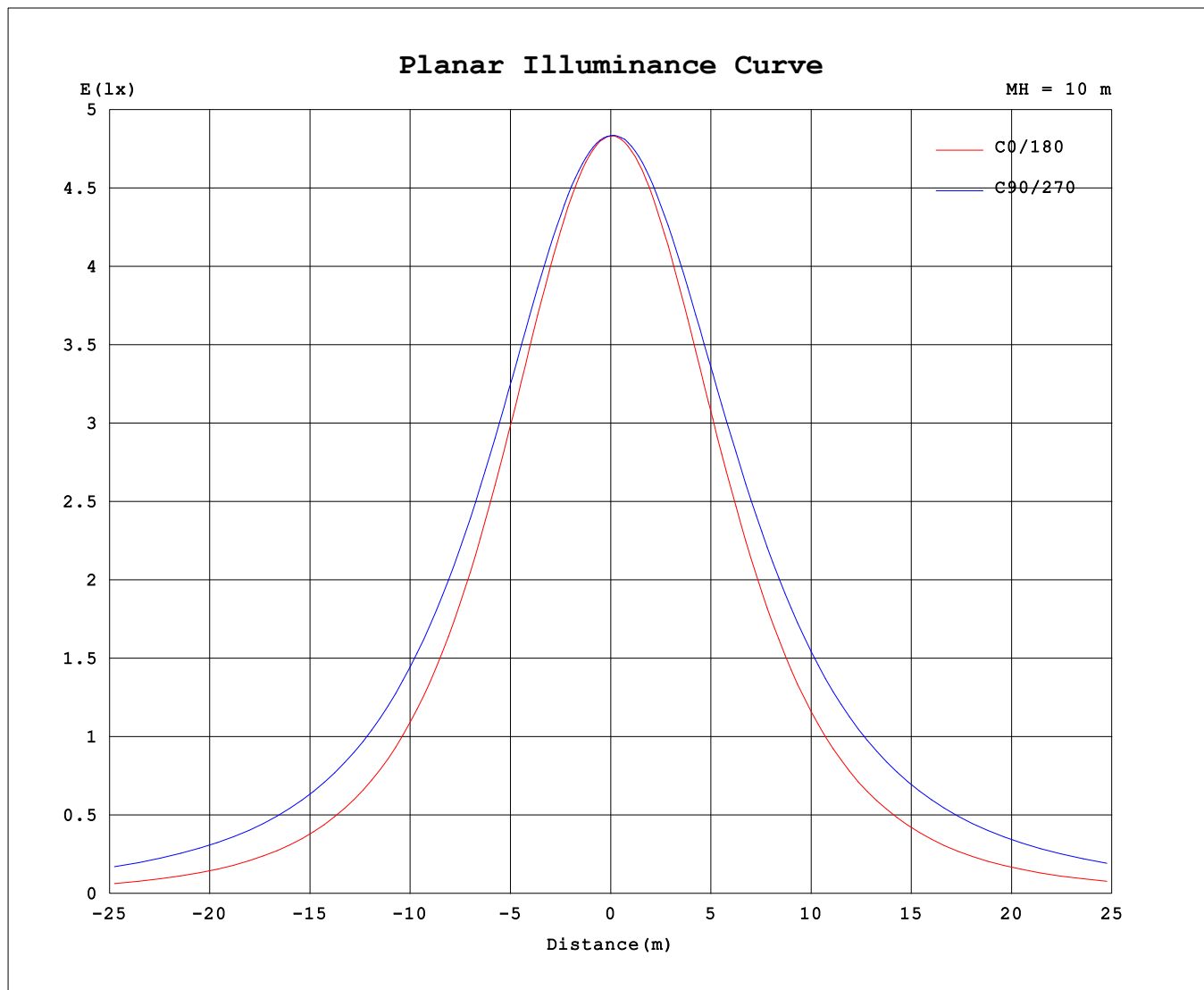
AvgL	cd/m2
L_0~180 (65) av	3860
L_0~180 (75) av	3068
L_0~180 (85) av	2121
L_90~270 (65) av	8541
L_90~270 (75) av	12510
L_90~270 (85) av	32408
L_45 (65) av	6805
L_45 (75) av	9001
L_45 (85) av	21094

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:0.2674A P:29.999W PF:0.9360 Freq:59.98Hz Lamp Flux:2247.67x1 lm		
NAME: WS36-033B-BK 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	483	483	483	483														
5	480	481	482	484														
10	472	478	477	483														
15	460	473	467	480														
20	445	466	454	477														
25	424	457	436	471														
30	401	447	415	465														
35	373	436	389	457														
40	343	423	361	448														
45	309	409	329	437														
50	273	393	294	425														
55	234	377	258	412														
60	193	359	217	397														
65	150	341	176	381														
70	107	322	134	364														
75	66.2	302	92.7	346														
80	32.1	281	54.6	326														
85	12.5	260	24.5	305														
90	8.22	239	10.8	283														
95	8.97	197	8.86	237														
100	10.4	146	9.59	175														
105	12.4	122	10.9	152														
110	14.7	122	13.1	148														
115	16.5	97.5	15.0	129														
120	17.3	81.7	15.7	106														
125	18.8	72.1	16.5	92.1														
130	19.3	63.5	17.1	83.7														
135	19.9	56.1	17.5	73.3														
140	21.6	50.6	19.0	62.3														
145	22.6	47.3	20.0	55.7														
150	22.4	37.4	19.9	50.2														
155	22.7	34.0	20.0	43.7														
160	23.1	31.0	20.5	39.9														
165	25.5	31.2	23.4	38.7														
170	27.4	26.3	26.0	36.5														
175	29.3	19.0	28.3	26.1														
180	30.3	19.9	30.2	19.9														

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: