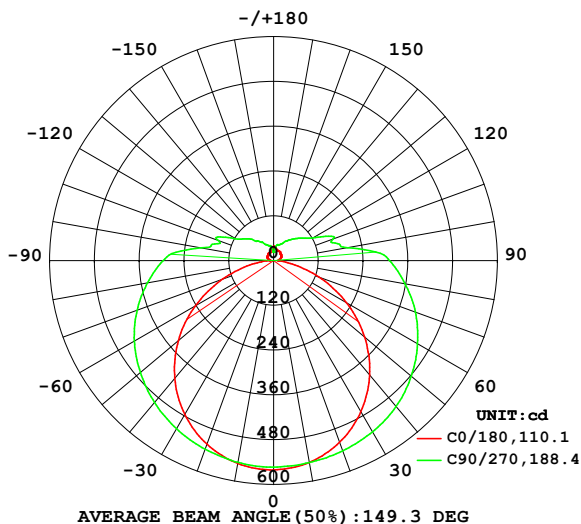


LUMINAIRE PHOTOMETRIC TEST REPORT

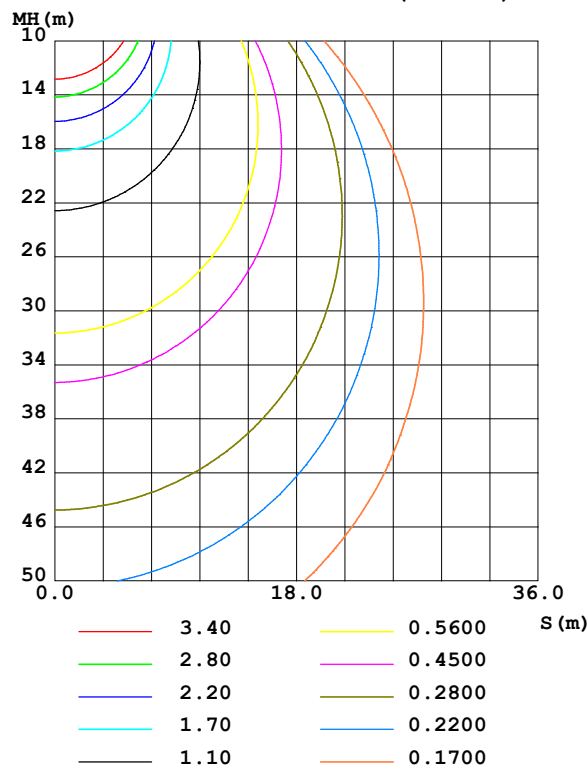
Test:U:119.83V I:0.2740A P:31.042W PF:0.9454 Freq:59.98Hz Lamp Flux:2635.05x1 lm		
NAME: WS36-033B-BN 30W 40K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.: 1
MFR.: EVERFINE	SUR.:	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA				Eff: 84.89 lm/W
MODEL	4000K	I _{max} (cd)	560.7	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)	2635.0	η UP,DN(C0-180)	9.6,40.7	
NOMINAL FLUX(lm)	2635.05	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: 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	549.5	549.8	551.8	549.1					0- 10	52.84	52.84	2.01,2.01
20	518.0	542.4	523.3	537.7					10- 20	153.1	205.9	7.82,7.82
30	468.0	530.0	476.4	520.5					20- 30	238.1	444.1	16.9,16.9
40	400.5	510.4	412.5	496.5					30- 40	299.6	743.6	28.2,28.2
50	318.6	481.7	333.0	466.3					40- 50	331.0	1075	40.8,40.8
60	225.6	445.4	242.4	431.0					50- 60	330.2	1405	53.3,53.3
70	129.0	404.4	145.2	389.5					60- 70	298.9	1704	64.7,64.7
80	45.49	357.7	58.57	343.0					70- 80	246.5	1950	74,74
90	11.96	311.0	11.87	296.4					80- 90	192.8	2143	81.3,81.3
100	14.79	202.0	12.00	197.8					90-100	149.6	2293	87,87
110	19.83	170.5	17.40	158.5					100-110	99.58	2392	90.8,90.8
120	23.01	122.3	19.89	118.1					110-120	84.89	2477	94,94
130	25.56	94.11	21.44	91.47					120-130	57.06	2534	96.2,96.2
140	28.01	74.31	23.49	68.74					130-140	41.10	2575	97.7,97.7
150	29.25	56.46	24.41	54.90					140-150	28.62	2604	98.8,98.8
160	29.44	45.06	25.30	43.67					150-160	17.59	2621	99.5,99.5
170	35.12	40.13	33.13	38.26					160-170	10.40	2632	99.9,99.9
180	38.62	23.64	38.64	23.63					170-180	3.195	2635	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

Conical surface Flux(90deg): 907.26 lm

%lum = 34.4%

%lamp = 34.4%

Conical surface Flux(120deg): 1404.8 lm

%lum = 53.3%

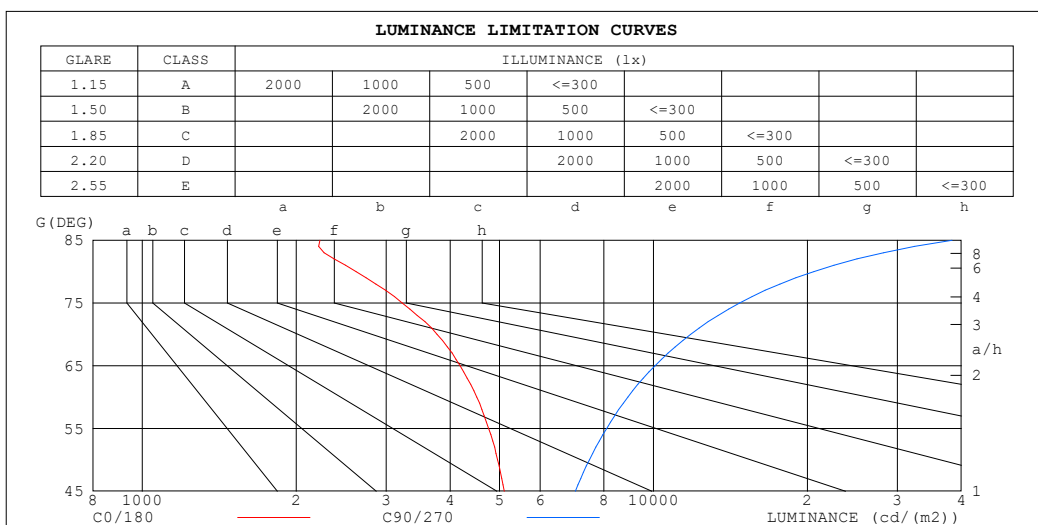
%lamp = 53.3%

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:119.83V I:0.2740A P:31.042W PF:0.9454 Freq:59.98Hz Lamp Flux:2635.05x1 lm		
NAME: WS36-033B-BN 30W 40K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.: 1
MFR.: EVERFINE	SUR.:	Shielding Angle:



LUMINANCE cd/(m2)		
G (DEG)	C0/180	C90/270
85	2225	38363
80	2620	20599
75	3223	14743
70	3772	11824
65	4182	10069
60	4513	8908
55	4759	8100
50	4957	7494
45	5110	7033

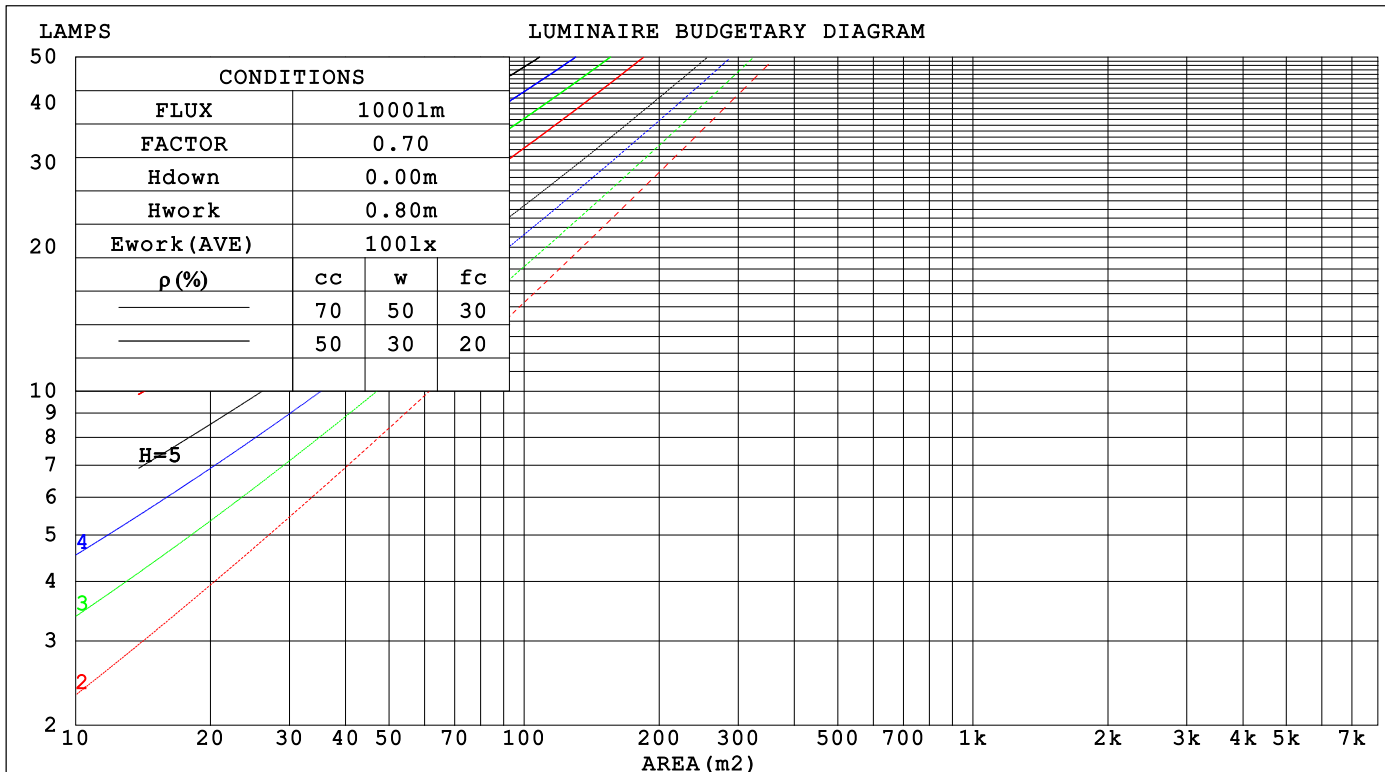
C Range: 0 - 360DEG
C Interval: 90.0DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:DAMIN
Test Date:10 February 2026

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:119.83V I:0.2740A P:31.042W PF:0.9454 Freq:59.98Hz Lamp Flux:2635.05x1 lm		
NAME: WS36-033B-BN 30W 40K	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: 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:119.83V I:0.2740A P:31.042W PF:0.9454 Freq:59.98Hz Lamp Flux:2635.05x1 lm		
NAME: WS36-033B-BN 30W 40K	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	.304	.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	.042	.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	.284	.284	.284	.194	.194	.194	.112	.112	.112	.036	.036	.036		
1.0	.329	.299	.272	.281	.257	.234	.192	.177	.162	.111	.102	.094	.035	.033	.030		
2.0	.322	.276	.237	.276	.238	.205	.189	.164	.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	.237	.192	.257	.205	.167	.177	.143	.118	.103	.084	.070	.033	.027	.023		
6.0	.292	.229	.185	.251	.199	.161	.173	.139	.114	.100	.082	.068	.032	.027	.022		
7.0	.285	.223	.180	.245	.193	.156	.169	.135	.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	.184	.151	.162	.130	.107	.095	.077	.064	.031	.025	.021		
10.0	.266	.208	.170	.229	.181	.148	.159	.127	.105	.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:119.83V I:0.2740A P:31.042W PF:0.9454 Freq:59.98Hz Lamp Flux:2635.05x1 lm										
NAME: WS36-033B-BN 30W 40K					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	20.2	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	19.1	19.8	19.8	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	20.4	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	22.4	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, 2635 lm Total Lamp Luminous Flux Correct (8log(F/F0) = 3.4)
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:119.83V I:0.2740A P:31.042W PF:0.9454 Freq:59.98Hz Lamp Flux:2635.05x1 lm		
NAME: WS36-033B-BN 30W 40K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.: 1
MFR.: EVERFINE	SUR.:	Shielding Angle:

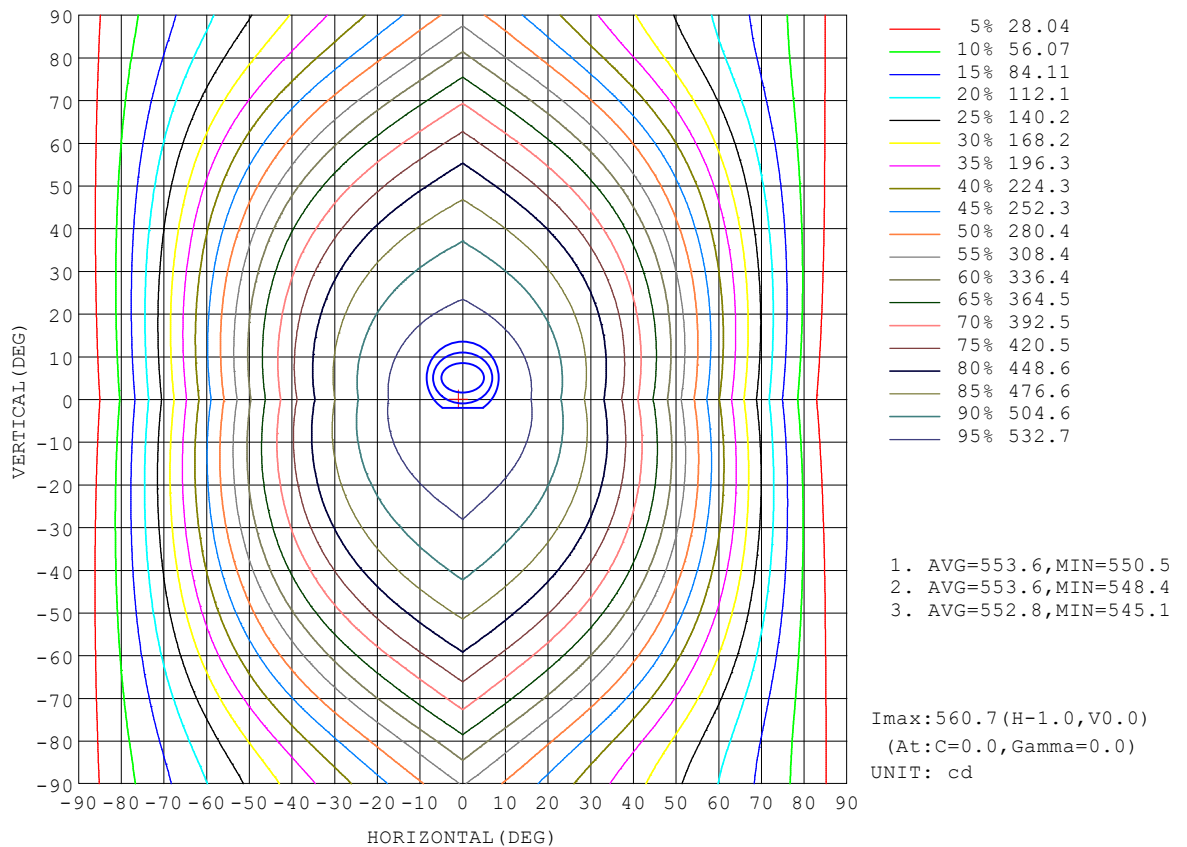
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS (PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	47	35	28	46	35	28	44	34	27	20
0.80	57	44	36	55	43	35	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: 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:119.83V I:0.2740A P:31.042W PF:0.9454 Freq:59.98Hz Lamp Flux:2635.05x1 lm		
NAME: WS36-033B-BN 30W 40K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.: 1
MFR.: EVERFINE	SUR.:	Shielding Angle:

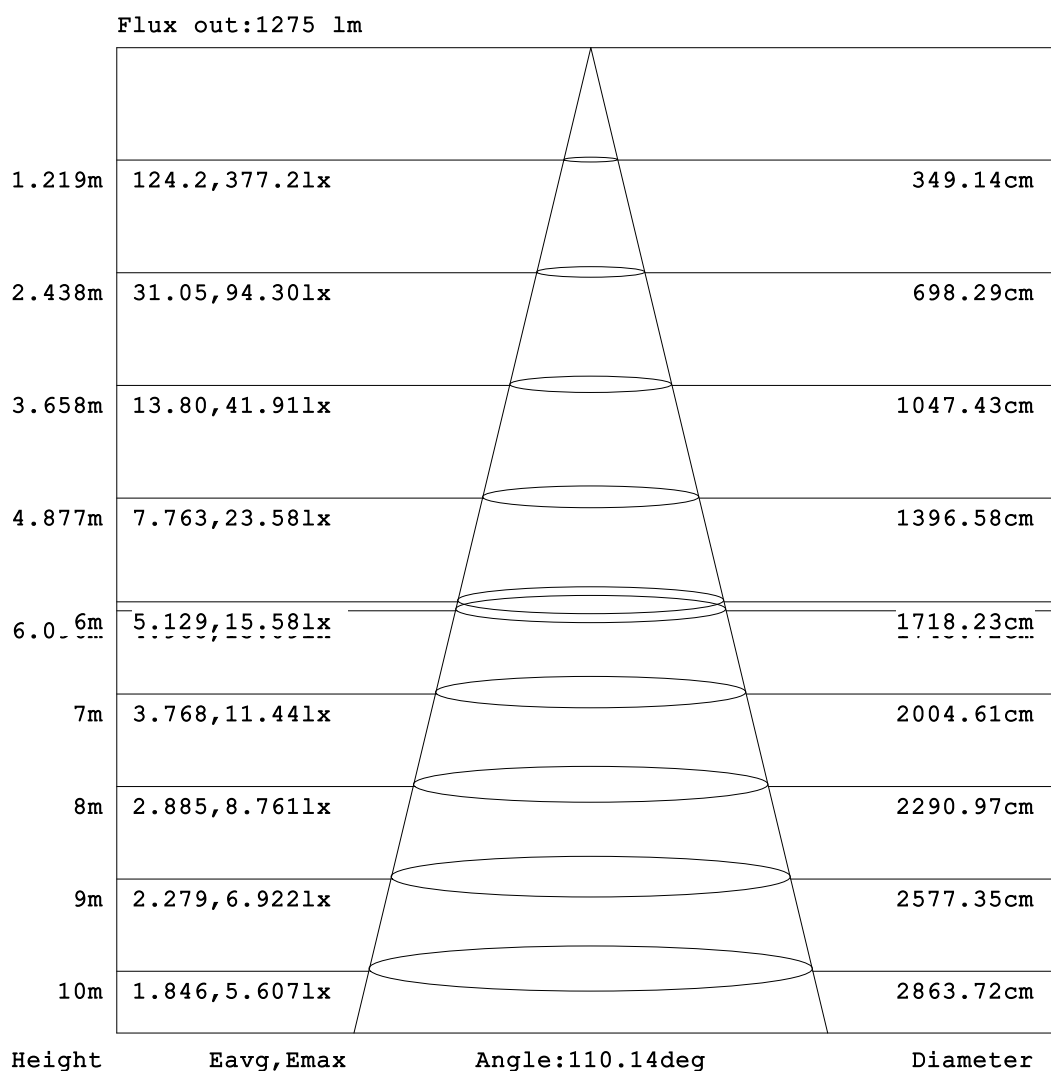


C Range: 0 - 360DEG
C Interval: 90.0DEG
Test Speed: HIGH
Temperature: 25.3°C
Operators: DAMIN
Test Date: 10 February 2026

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:

AAI Figure

Test:U:119.83V I:0.2740A P:31.042W PF:0.9454 Freq:59.98Hz Lamp Flux:2635.05x1 lm		
NAME: WS36-033B-BN 30W 40K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.: 1
MFR.: EVERFINE	SUR.:	Shielding Angle:



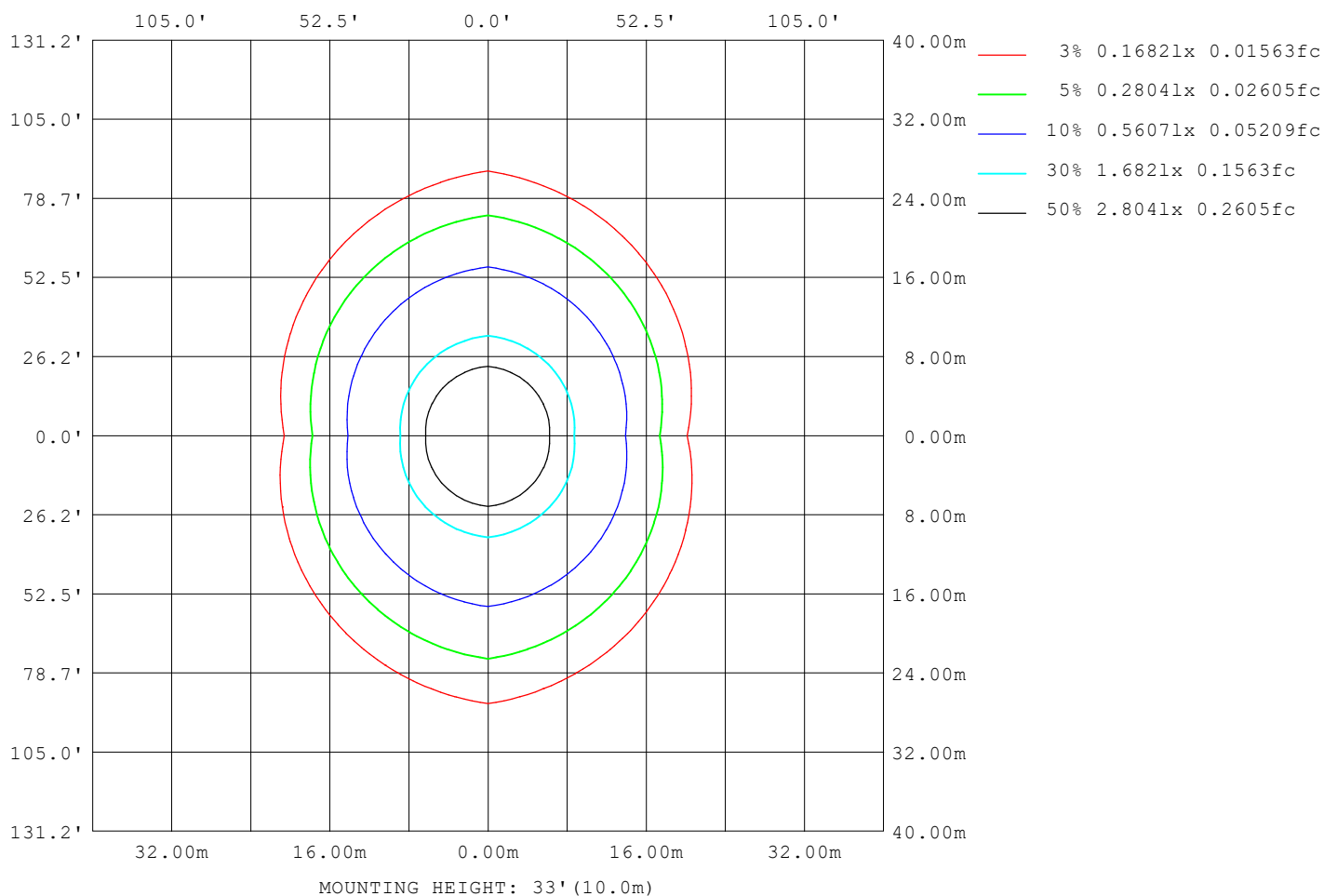
Note: The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
C Interval: 90.0DEG
Test Speed: HIGH
Temperature: 25.3 °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:

ISOLUX DIAGRAM

Test:U:119.83V I:0.2740A P:31.042W PF:0.9454 Freq:59.98Hz Lamp Flux:2635.05x1 lm		
NAME: WS36-033B-BN 30W 40K	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:119.83V I:0.2740A P:31.042W PF:0.9454 Freq:59.98Hz Lamp Flux:2635.05x1 lm		
NAME: WS36-033B-BN 30W 40K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.: 1
MFR.: EVERFINE	SUR.:	Shielding Angle:

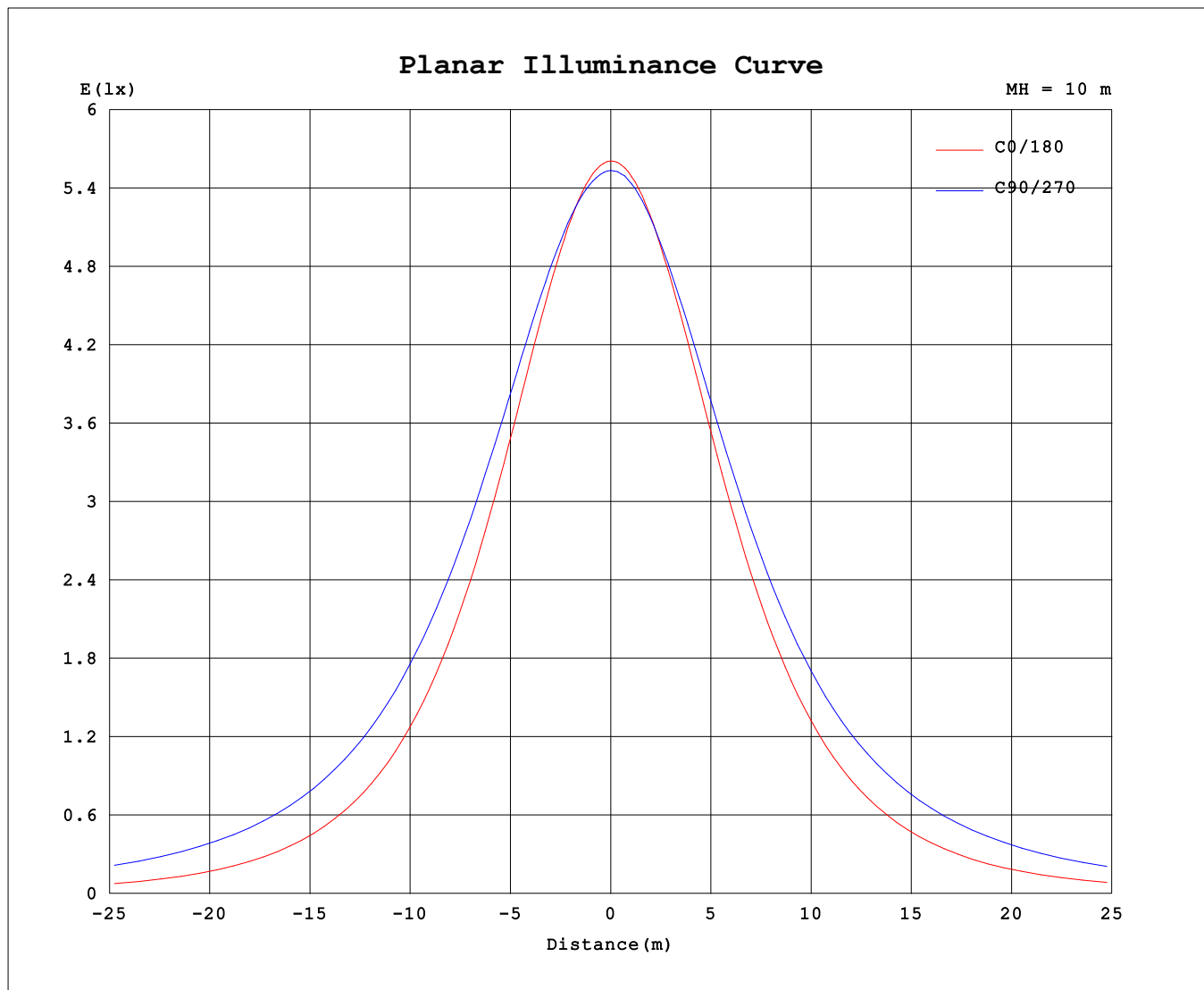
AvgL	cd/m2
L_0~180 (65) av	4376
L_0~180 (75) av	3531
L_0~180 (85) av	2719
L_90~270 (65) av	9898
L_90~270 (75) av	14454
L_90~270 (85) av	37514
L_45 (65) av	7839
L_45 (75) av	10377
L_45 (85) av	24497

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:119.83V I:0.2740A P:31.042W PF:0.9454 Freq:59.98Hz Lamp Flux:2635.05x1 lm		
NAME: WS36-033B-BN 30W 40K	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	561	553	561	553															
5	558	552	559	553															
10	549	550	552	549															
15	536	547	540	544															
20	518	542	523	538															
25	495	537	502	530															
30	468	530	476	521															
35	436	521	446	510															
40	400	510	413	496															
45	361	497	374	482															
50	319	482	333	466															
55	273	465	289	450															
60	226	445	242	431															
65	177	426	193	411															
70	129	404	145	389															
75	83.4	382	99.4	367															
80	45.5	358	58.6	343															
85	19.4	334	28.0	320															
90	12.0	311	11.9	296															
95	13.0	274	10.7	263															
100	14.8	202	12.0	198															
105	16.9	178	14.3	171															
110	19.8	171	17.4	159															
115	22.1	155	19.8	150															
120	23.0	122	19.9	118															
125	24.7	105	21.0	102															
130	25.6	94.1	21.4	91.5															
135	26.1	83.8	21.6	80.3															
140	28.0	74.3	23.5	68.7															
145	29.2	65.9	24.8	61.3															
150	29.2	56.5	24.4	54.9															
155	29.2	49.9	24.3	48.1															
160	29.4	45.1	25.3	43.7															
165	32.5	45.1	30.3	42.3															
170	35.1	40.1	33.1	38.3															
175	37.6	25.0	35.9	23.8															
180	38.6	23.6	38.6	23.6															

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: