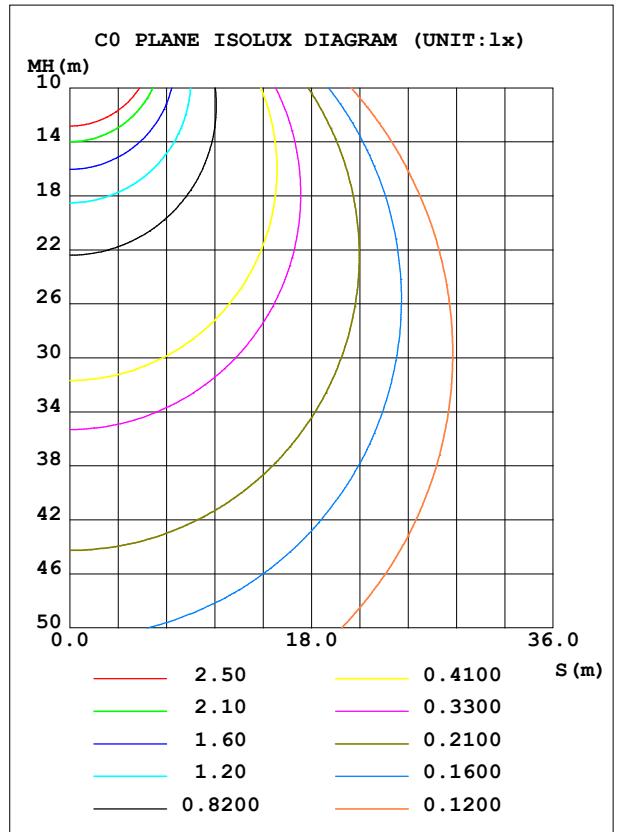
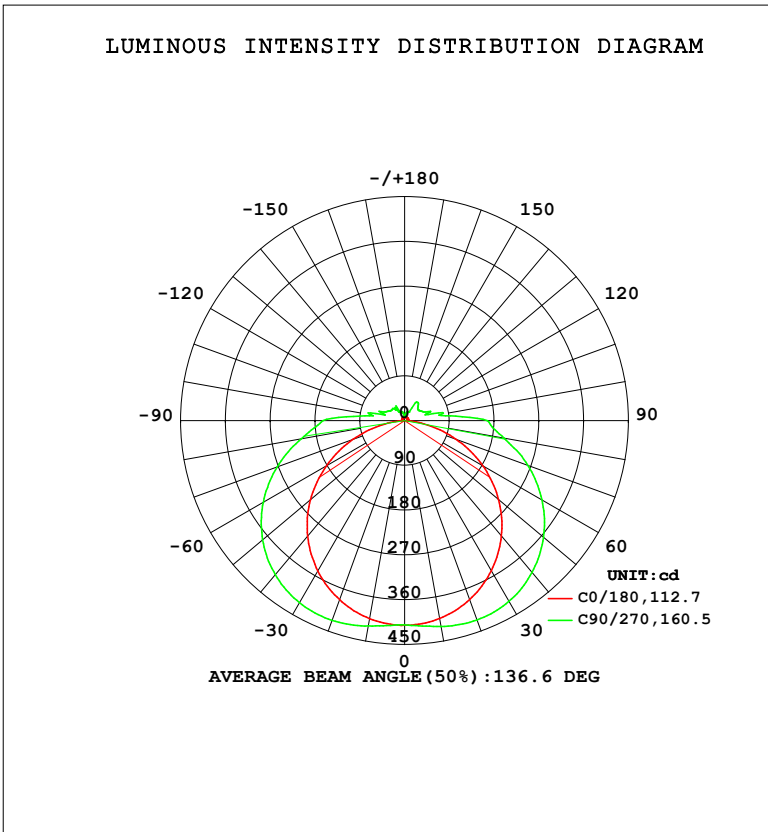


LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:120.06V I:0.2161A P:24.345W PF:0.9383 Freq:59.98Hz Lamp Flux:1752.49x1 lm		
NAME: 62673LEDDCS	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.: 1
MFR.: EVERFINE	SUR.:	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA				Eff: 71.99 lm/W
MODEL	3000K	I _{max} (cd)	427.4	S/MH (C0/180)	1.26	
NOMINAL POWER (W)	24	LOR (%)	100.0	S/MH (C90/270)	1.53	
RATED VOLTAGE (V)	120	TOTAL FLUX (lm)	1752.5	η UP, DN (C0-180)	5.3, 44.5	
NOMINAL FLUX (lm)	1752.49	CIE CLASS	SEMI-D.	η UP, DN (C180-360)	5.0, 45.1	
LAMPS INSIDE	1	η up (%)	10.4	CIBSE SHR NOM	1.50	
TEST VOLTAGE (V)	120	η down (%)	89.6	CIBSE SHR MAX	1.55	



C Range: 0 - 360DEG
 C Interval: 90.0DEG
 Test Speed: HIGH
 Temperature: 25.3 °C
 Operators: DAMIN
 Test Date: 08 August 2025

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	403.7	420.2	404.2	419.0					0- 10	39.31	39.31	2.24,2.24
20	382.7	426.3	383.0	427.3					10- 20	115.9	155.2	8.86,8.86
30	348.6	419.2	349.1	422.9					20- 30	183.0	338.2	19.3,19.3
40	302.5	398.4	303.3	404.3					30- 40	231.7	569.9	32.5,32.5
50	246.5	364.9	247.4	372.6					40- 50	255.8	825.7	47.1,47.1
60	181.7	318.7	181.1	327.9					50- 60	251.4	1077	61.5,61.5
70	109.9	263.6	110.2	272.9					60- 70	219.3	1296	74,74
80	41.04	202.5	40.96	211.4					70- 80	165.0	1461	83.4,83.4
90	5.790	166.4	5.464	164.2					80- 90	109.7	1571	89.6,89.6
100	5.680	75.62	5.554	68.18					90-100	62.50	1633	93.2,93.2
110	6.357	55.50	6.436	54.82					100-110	34.03	1668	95.2,95.2
120	6.798	38.66	6.748	38.41					110-120	24.99	1692	96.6,96.6
130	6.969	35.41	6.884	33.87					120-130	19.13	1712	97.7,97.7
140	7.166	43.21	7.097	28.05					130-140	16.64	1728	98.6,98.6
150	7.243	30.30	7.274	30.23					140-150	13.58	1742	99.4,99.4
160	7.537	16.73	7.549	17.58					150-160	6.287	1748	99.8,99.8
170	7.866	13.74	7.882	14.94					160-170	3.465	1752	99.9,99.9
180	8.040	8.168	8.040	8.171					170-180	0.8960	1752	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

Conical surface Flux(90deg): 696.53 lm

%lum = 39.7%
 %lamp = 39.7%

Conical surface Flux(120deg): 1077.1 lm

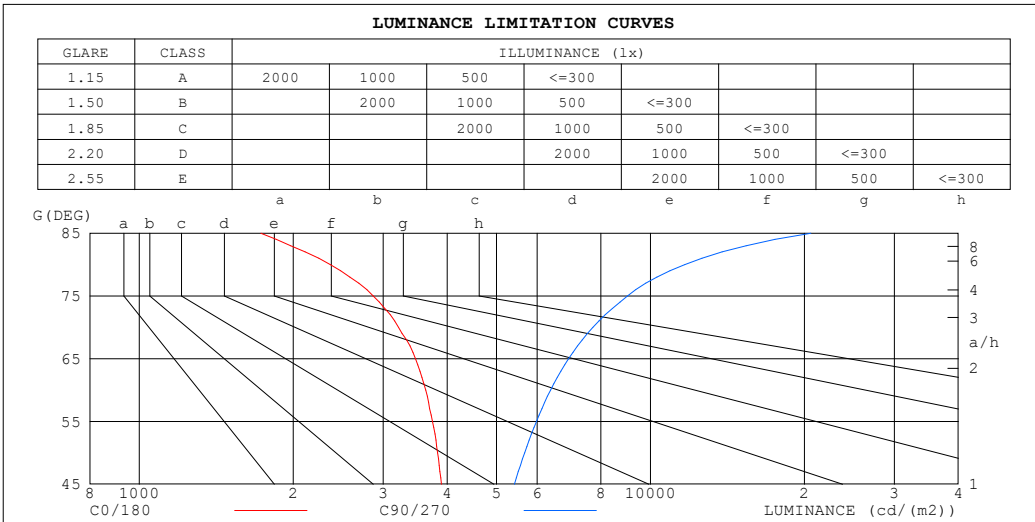
%lum = 61.5%
 %lamp = 61.5%

C Range: 0 - 360DEG
 C Interval: 90.0DEG
 Test Speed: HIGH
 Temperature:25.3℃
 Operators:DAMIN
 Test Date:08 August 2025

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:120.06V I:0.2161A P:24.345W PF:0.9383 Freq:59.98Hz Lamp Flux:1752.49x1 lm		
NAME: 62673LEDDCS	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.: 1
MFR.: EVERFINE	SUR.:	Shielding Angle:



LUMINANCE cd/(m2)		
G (DEG)	C0/180	C90/270
85	1729	20578
80	2364	11664
75	2868	9017
70	3214	7708
65	3472	6910
60	3633	6375
55	3745	5985
50	3834	5676
45	3899	5416

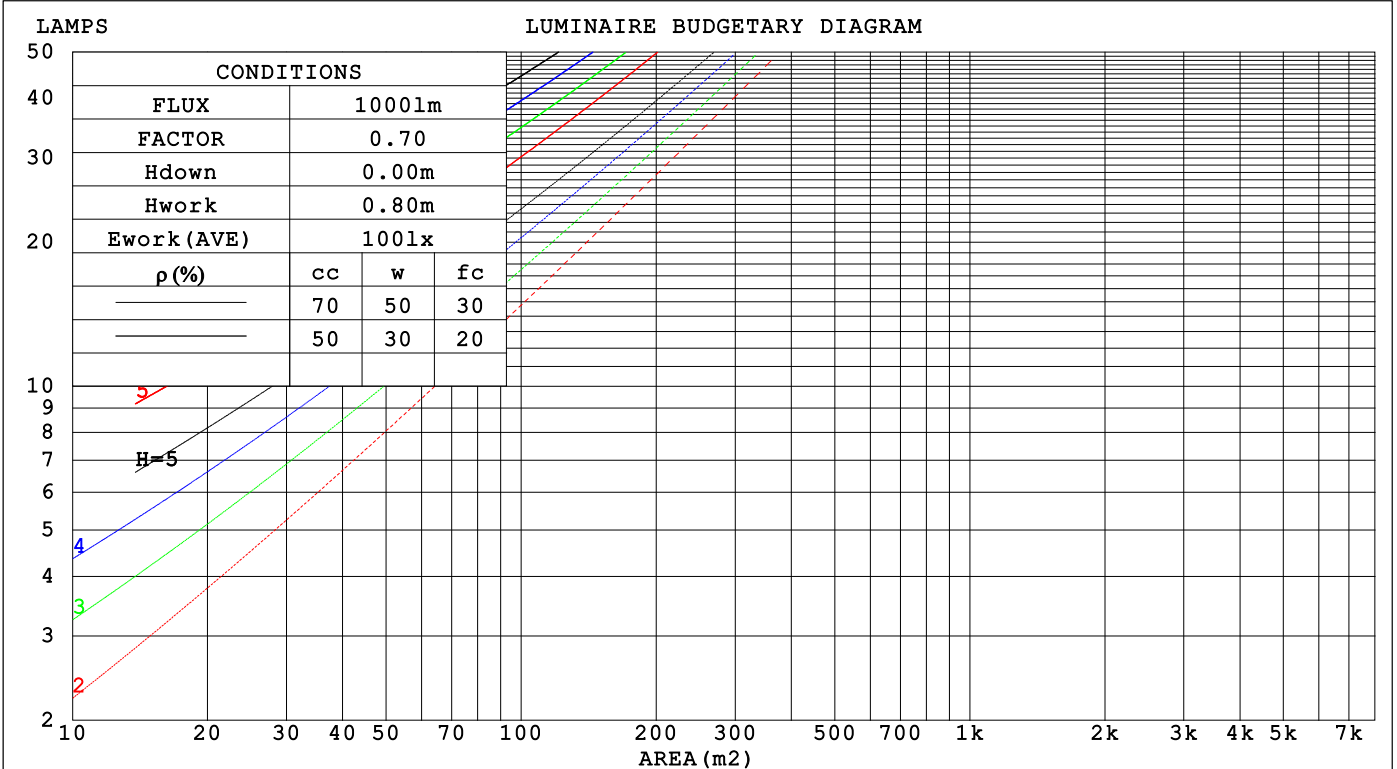
C Range: 0 - 360DEG
 C Interval: 90.0DEG
 Test Speed: HIGH
 Temperature: 25.3 °C
 Operators: DAMIN
 Test Date: 08 August 2025

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:120.06V I:0.2161A P:24.345W PF:0.9383 Freq:59.98Hz Lamp Flux:1752.49x1 lm		
NAME: 62673LEDDCS	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	1.17	1.17	1.17	1.13	1.13	1.13	1.05	1.05	1.05	.99	.99	.99	.93	.93	.93	.90
1.0	.98	.93	.88	.95	.90	.86	.88	.85	.81	.83	.80	.77	.77	.75	.73	.70
2.0	.84	.76	.70	.81	.74	.68	.76	.70	.65	.71	.66	.62	.66	.62	.59	.56
3.0	.73	.64	.57	.70	.62	.56	.66	.59	.53	.62	.56	.51	.58	.53	.49	.46
4.0	.64	.55	.47	.62	.53	.46	.58	.51	.45	.54	.48	.43	.51	.46	.41	.39
5.0	.57	.47	.40	.55	.46	.39	.52	.44	.38	.49	.42	.37	.46	.40	.35	.33
6.0	.51	.41	.35	.49	.40	.34	.46	.39	.33	.44	.37	.32	.41	.35	.31	.28
7.0	.46	.37	.30	.45	.36	.30	.42	.34	.29	.40	.33	.28	.37	.32	.27	.25
8.0	.42	.33	.27	.40	.32	.26	.38	.31	.26	.36	.30	.25	.34	.28	.24	.22
9.0	.38	.30	.24	.37	.29	.24	.35	.28	.23	.33	.27	.22	.32	.26	.22	.20
10.0	.35	.27	.21	.34	.26	.21	.32	.25	.21	.31	.24	.20	.29	.24	.19	.18



C Range: 0 - 360DEG
 C Interval: 90.0DEG
 Test Speed: HIGH
 Temperature:25.3 °C
 Operators:DAMIN
 Test Date:08 August 2025

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:120.06V I:0.2161A P:24.345W PF:0.9383 Freq:59.98Hz Lamp Flux:1752.49x1 lm		
NAME: 62673LEDDCS	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.: 1
MFR.: EVERFINE	SUR.:	Shielding Angle:

ρ_{CC}	80%			70%			50%			30%			10%			0
ρ_w	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
ρ_{fc}	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio						Wall Exitance Coefficients(WEC)									
0.0																
1.0	.373	.212	.067	.363	.207	.066	.344	.197	.063	.326	.188	.060	.309	.179	.058	
2.0	.329	.181	.055	.320	.176	.054	.303	.168	.052	.286	.161	.050	.272	.154	.048	
3.0	.295	.157	.047	.287	.154	.046	.271	.147	.045	.257	.141	.043	.243	.135	.042	
4.0	.267	.139	.041	.260	.136	.040	.245	.130	.039	.232	.125	.038	.220	.120	.036	
5.0	.244	.124	.036	.237	.122	.035	.224	.117	.034	.212	.112	.033	.201	.107	.032	
6.0	.224	.112	.032	.217	.110	.032	.206	.106	.031	.195	.101	.030	.185	.097	.029	
7.0	.207	.102	.029	.201	.100	.029	.190	.096	.028	.181	.093	.027	.171	.089	.026	
8.0	.192	.094	.026	.187	.092	.026	.177	.088	.025	.168	.085	.025	.160	.082	.024	
9.0	.179	.086	.024	.174	.085	.024	.165	.082	.023	.157	.079	.023	.149	.076	.022	
10.0	.167	.080	.022	.163	.079	.022	.155	.076	.021	.148	.073	.021	.140	.071	.020	

ρ_{CC}	80%			70%			50%			30%			10%			0
ρ_w	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
ρ_{fc}	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio						Ceiling Cavity Exitance Coefficients(CCEC)									
0.0	.269	.269	.269	.230	.230	.230	.157	.157	.157	.090	.090	.090	.029	.029	.029	
1.0	.264	.235	.209	.226	.202	.180	.155	.139	.124	.089	.080	.072	.029	.026	.023	
2.0	.257	.212	.174	.220	.182	.150	.151	.126	.105	.087	.073	.061	.028	.024	.020	
3.0	.250	.195	.151	.214	.168	.131	.147	.117	.092	.085	.068	.054	.027	.022	.018	
4.0	.242	.182	.137	.208	.157	.119	.143	.110	.084	.083	.064	.049	.027	.021	.016	
5.0	.234	.172	.126	.201	.149	.110	.139	.104	.078	.080	.061	.046	.026	.020	.015	
6.0	.227	.164	.119	.195	.142	.104	.135	.100	.073	.078	.059	.044	.025	.019	.014	
7.0	.220	.158	.114	.189	.137	.099	.131	.096	.070	.076	.056	.042	.025	.018	.014	
8.0	.213	.152	.110	.184	.132	.096	.127	.092	.068	.074	.055	.040	.024	.018	.013	
9.0	.207	.147	.107	.178	.128	.093	.123	.090	.066	.072	.053	.039	.023	.017	.013	
10.0	.201	.143	.104	.173	.124	.091	.120	.087	.064	.070	.052	.038	.023	.017	.013	

C Range: 0 - 360DEG
 C Interval: 90.0DEG
 Test Speed: HIGH
 Temperature:25.3°C
 Operators:DAMIN
 Test Date:08 August 2025

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:120.06V I:0.2161A P:24.345W PF:0.9383 Freq:59.98Hz										
Lamp Flux:1752.49x1 lm										
NAME: 62673LEDDCS					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	14.8	16.3	15.2	16.7	17.1	16.8	18.3	17.2	18.7	19.1
3H	16.3	17.6	16.7	18.1	18.5	19.3	20.7	19.7	21.1	21.5
4H	16.8	18.1	17.3	18.6	19.0	20.6	21.9	21.1	22.3	22.8
6H	17.2	18.4	17.7	18.9	19.4	22.0	23.2	22.5	23.7	24.2
8H	17.3	18.5	17.8	18.9	19.5	22.8	24.0	23.3	24.4	25.0
12H	17.3	18.5	17.8	18.9	19.5	23.7	24.8	24.2	25.3	25.8
4H 2H	15.8	17.1	16.3	17.6	18.0	17.3	18.6	17.8	19.1	19.5
3H	17.6	18.7	18.1	19.2	19.7	20.0	21.1	20.5	21.6	22.1
4H	18.3	19.3	18.8	19.8	20.4	21.5	22.5	22.0	23.0	23.6
6H	18.8	19.8	19.4	20.3	20.9	23.1	24.0	23.6	24.5	25.1
8H	19.0	19.9	19.6	20.4	21.0	24.0	24.8	24.5	25.4	26.0
12H	19.1	19.9	19.7	20.5	21.1	25.0	25.8	25.6	26.4	27.0
8H 4H	19.1	20.0	19.6	20.5	21.1	21.7	22.6	22.3	23.1	23.8
6H	19.9	20.7	20.5	21.2	21.9	23.6	24.3	24.1	24.9	25.5
8H	20.3	20.9	20.9	21.5	22.2	24.6	25.3	25.2	25.9	26.6
12H	20.5	21.1	21.2	21.7	22.4	25.9	26.5	26.6	27.1	27.8
12H 4H	19.3	20.1	19.9	20.7	21.3	21.7	22.5	22.3	23.1	23.7
6H	20.3	21.0	20.9	21.6	22.2	23.6	24.3	24.2	24.9	25.6
8H	20.8	21.4	21.4	22.0	22.7	24.8	25.4	25.4	26.0	26.7
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, 1752 lm Total Lamp Luminous Flux Correct (8log(F/F0) = 1.9)
 Area: 0.1 m2

C Range: 0 - 360DEG	γ Range: 0 - 180DEG
C Interval: 90.0DEG	γ Interval: 1.0DEG
Test Speed: HIGH	Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.459
Temperature:25.3℃	Humidity:65.0%
Operators:DAMIN	Test Distance:7.380m [K=1.0000]
Test Date:08 August 2025	Remarks:

UTILIZATION FACTORS TABLE

Test:U:120.06V I:0.2161A P:24.345W PF:0.9383 Freq:59.98Hz Lamp Flux:1752.49x1 lm		
NAME: 62673LEDDCS	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.: 1
MFR.: EVERFINE	SUR.:	Shielding Angle:

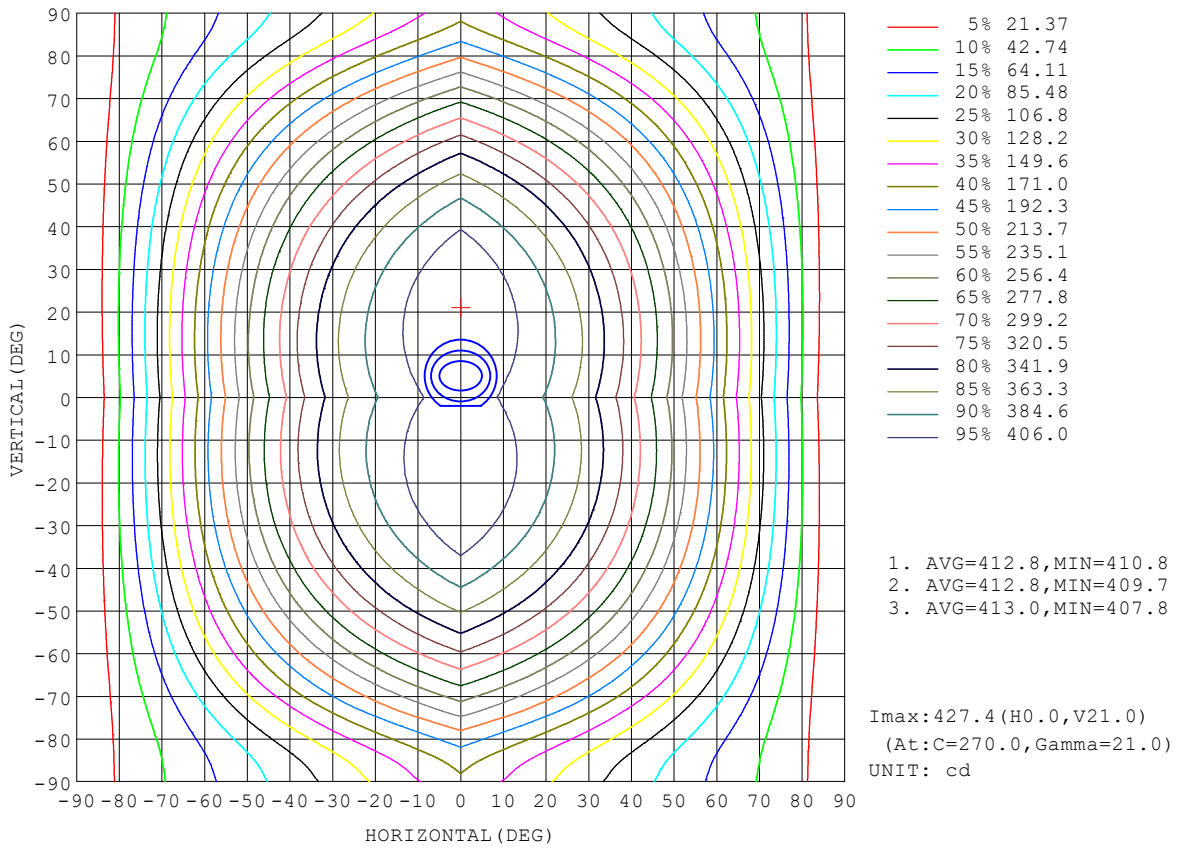
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS (PERCENT) $k(RI) \times RCR = 5$									
k = 0.60	50	38	31	49	38	30	48	37	30	23
0.80	60	47	39	58	46	39	56	45	38	30
1.00	68	55	47	66	54	47	63	55	46	37
1.25	75	63	54	73	62	54	69	59	52	44
1.50	80	68	60	78	67	59	74	64	58	48
2.00	87	77	69	85	75	68	80	72	66	55
2.50	92	82	75	89	80	73	83	76	70	59
3.00	95	87	80	92	84	78	87	80	75	63
4.00	100	93	86	97	90	84	91	85	81	68
5.00	103	96	91	99	94	89	93	88	84	72
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:08 August 2025

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:120.06V I:0.2161A P:24.345W PF:0.9383 Freq:59.98Hz Lamp Flux:1752.49x1 lm		
NAME: 62673LEDDCS	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.: 1
MFR.: EVERFINE	SUR.:	Shielding Angle:

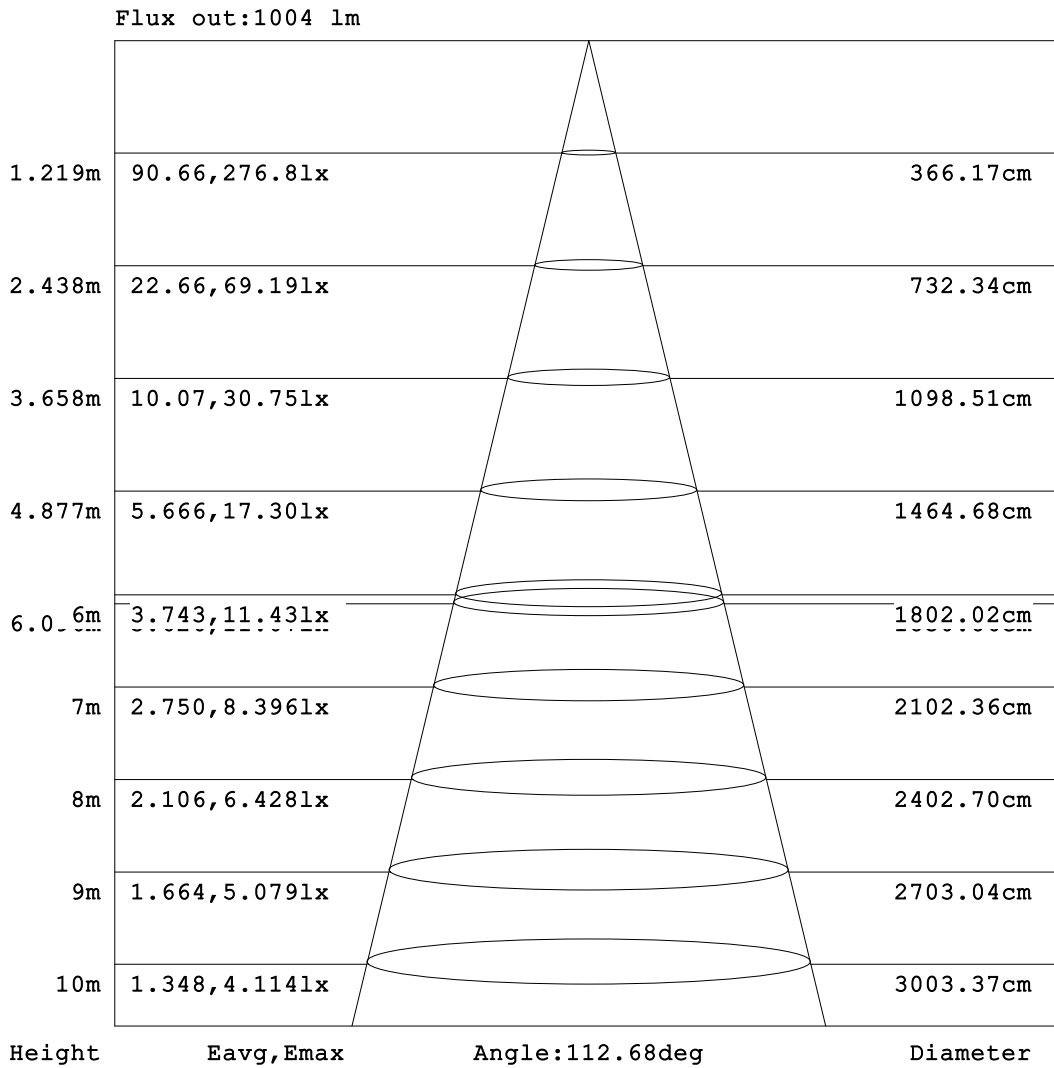


C Range: 0 - 360DEG
C Interval: 90.0DEG
Test Speed: HIGH
Temperature: 25.3 °C
Operators: DAMIN
Test Date: 08 August 2025

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:120.06V I:0.2161A P:24.345W PF:0.9383 Freq:59.98Hz Lamp Flux:1752.49x1 lm		
NAME: 62673LEDDCS	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.: 1
MFR.: EVERFINE	SUR.:	Shielding Angle:



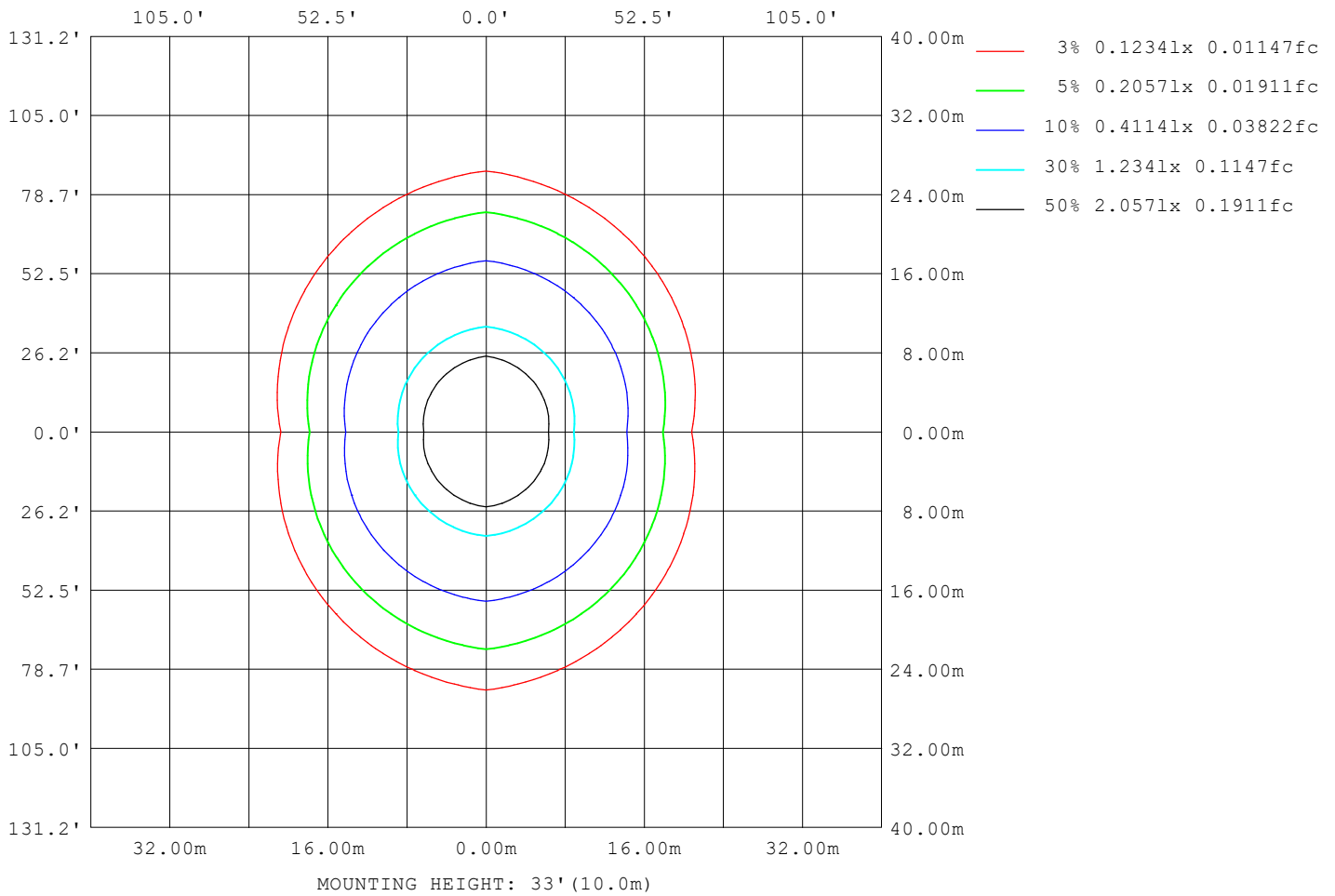
Note: The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
 C Interval: 90.0DEG
 Test Speed: HIGH
 Temperature: 25.3 °C
 Operators: DAMIN
 Test Date: 08 August 2025

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:120.06V I:0.2161A P:24.345W PF:0.9383 Freq:59.98Hz Lamp Flux:1752.49x1 lm		
NAME: 62673LEDDCS	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:08 August 2025

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:120.06V I:0.2161A P:24.345W PF:0.9383 Freq:59.98Hz Lamp Flux:1752.49x1 lm		
NAME: 62673LEDDCS	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.: 1
MFR.: EVERFINE	SUR.:	Shielding Angle:

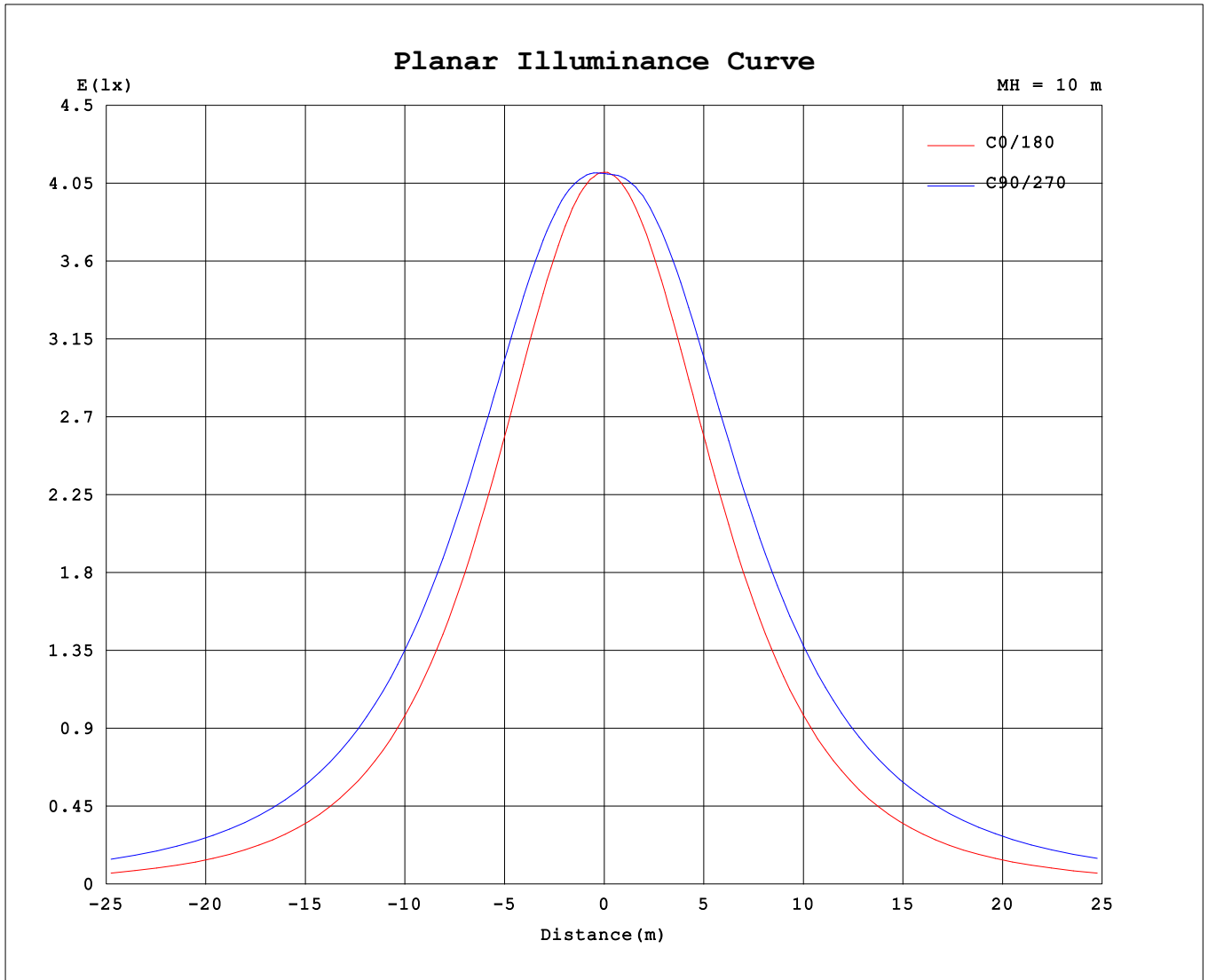
AvgL	cd/m2
L_0~180 (65) av	3465
L_0~180 (75) av	2872
L_0~180 (85) av	1712
L_90~270 (65) av	7023
L_90~270 (75) av	9186
L_90~270 (85) av	20830
L_45 (65) av	5688
L_45 (75) av	6819
L_45 (85) av	13660

Standard: GB/T 29293-2012

C Range: 0 - 360DEG
 C Interval: 90.0DEG
 Test Speed: HIGH
 Temperature:25.3℃
 Operators:DAMIN
 Test Date:08 August 2025

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: 08 August 2025

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:120.06V I:0.2161A P:24.345W PF:0.9383 Freq:59.98Hz Lamp Flux:1752.49x1 lm		
NAME: 62673LEDDCS	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	411	411	411	411															
5	409	415	410	413															
10	404	420	404	419															
15	395	425	395	424															
20	383	426	383	427															
25	367	425	368	427															
30	349	419	349	423															
35	327	411	327	415															
40	303	398	303	404															
45	276	383	277	390															
50	246	365	247	373															
55	215	343	214	352															
60	182	319	181	328															
65	147	292	146	302															
70	110	264	110	273															
75	74.2	233	74.4	242															
80	41.0	203	41.0	211															
85	15.1	179	14.8	184															
90	5.79	166	5.46	164															
95	5.57	104	5.36	103															
100	5.68	75.6	5.55	68.2															
105	6.03	49.4	6.00	50.1															
110	6.36	55.5	6.44	54.8															
115	6.60	42.5	6.64	42.0															
120	6.80	38.7	6.75	38.4															
125	6.94	35.8	6.82	34.7															
130	6.97	35.4	6.88	33.9															
135	7.06	38.3	7.02	33.9															
140	7.17	43.2	7.10	28.1															
145	7.17	44.8	7.19	30.5															
150	7.24	30.3	7.27	30.2															
155	7.36	19.5	7.39	19.9															
160	7.54	16.7	7.55	17.6															
165	7.69	18.2	7.72	18.5															
170	7.87	13.7	7.88	14.9															
175	7.94	8.43	7.98	9.41															
180	8.04	8.17	8.04	8.17															

C Range: 0 - 360DEG
 C Interval: 90.0DEG
 Test Speed: HIGH
 Temperature:25.3℃
 Operators:DAMIN
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γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.459
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 Remarks: