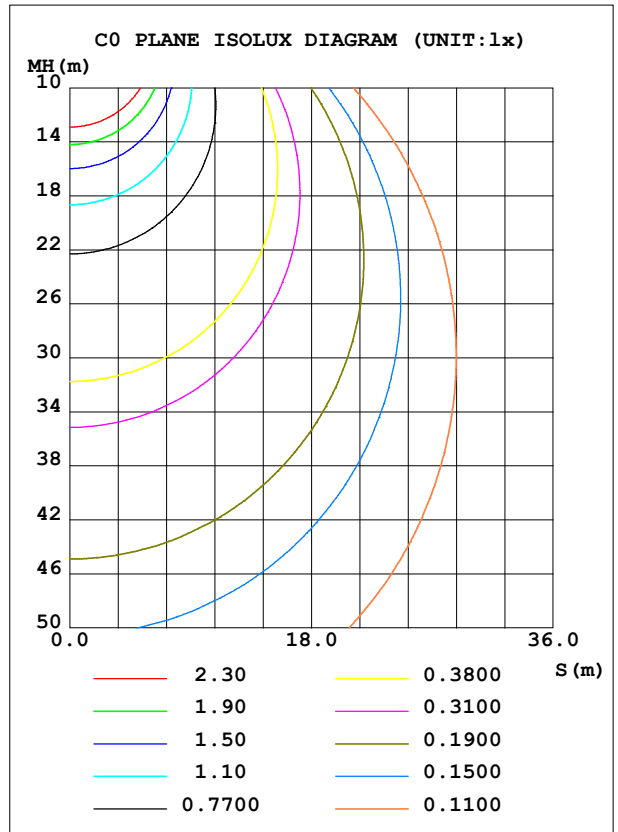
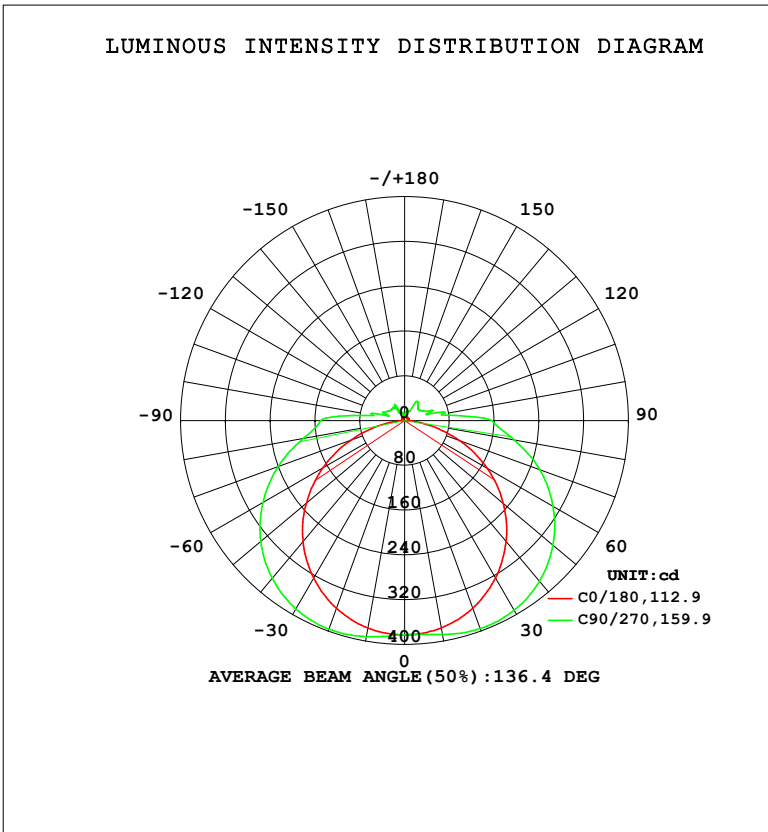


LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:120.00V I:0.2131A P:24.015W PF:0.9390 Freq:59.98Hz Lamp Flux:1626.95x1 lm		
NAME: 62673LEDDCS	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.: 1
MFR.: EVERFINE	SUR.:	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA				Eff: 67.75 lm/W
MODEL	3000K	I _{max} (cd)	396.4	S/MH (C0/180)	1.26	
NOMINAL POWER (W)	24	LOR (%)	100.0	S/MH (C90/270)	1.51	
RATED VOLTAGE (V)	120	TOTAL FLUX (lm)	1627.0	η UP, DN (C0-180)	5.5, 45.4	
NOMINAL FLUX (lm)	1626.95	CIE CLASS	SEMI-D.	η UP, DN (C180-360)	4.9, 44.3	
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: 07 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	376.2	388.2	376.4	391.7					0- 10	36.58	36.58	2.25,2.25
20	356.6	395.2	356.8	396.4					10- 20	107.8	144.4	8.87,8.87
30	324.7	391.1	325.0	388.7					20- 30	170.0	314.3	19.3,19.3
40	282.1	374.8	282.3	367.9					30- 40	215.1	529.4	32.5,32.5
50	230.3	346.1	228.7	335.5					40- 50	237.3	766.7	47.1,47.1
60	170.6	306.1	168.3	292.0					50- 60	233.2	999.9	61.5,61.5
70	104.2	257.2	102.1	240.3					60- 70	203.8	1204	74,74
80	39.81	198.6	37.48	183.6					70- 80	153.3	1357	83.4,83.4
90	5.690	156.3	5.379	149.8					80- 90	101.2	1458	89.6,89.6
100	5.572	69.62	5.295	55.77					90-100	60.37	1518	93.3,93.3
110	6.268	54.36	5.975	41.16					100-110	29.86	1548	95.2,95.2
120	6.790	35.77	6.296	34.45					110-120	23.07	1571	96.6,96.6
130	6.930	32.32	6.447	30.74					120-130	17.71	1589	97.7,97.7
140	7.046	38.00	6.675	31.13					130-140	15.24	1604	98.6,98.6
150	7.077	32.03	6.714	30.40					140-150	12.72	1617	99.4,99.4
160	7.174	16.52	6.996	14.85					150-160	5.861	1623	99.8,99.8
170	7.367	14.87	7.290	11.70					160-170	3.197	1626	99.9,99.9
180	7.491	7.584	7.495	7.564					170-180	0.8314	1627	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

Conical surface Flux(90deg): 646.89 lm

%lum = 39.8%

%lamp = 39.8%

Conical surface Flux(120deg): 999.88 lm

%lum = 61.5%

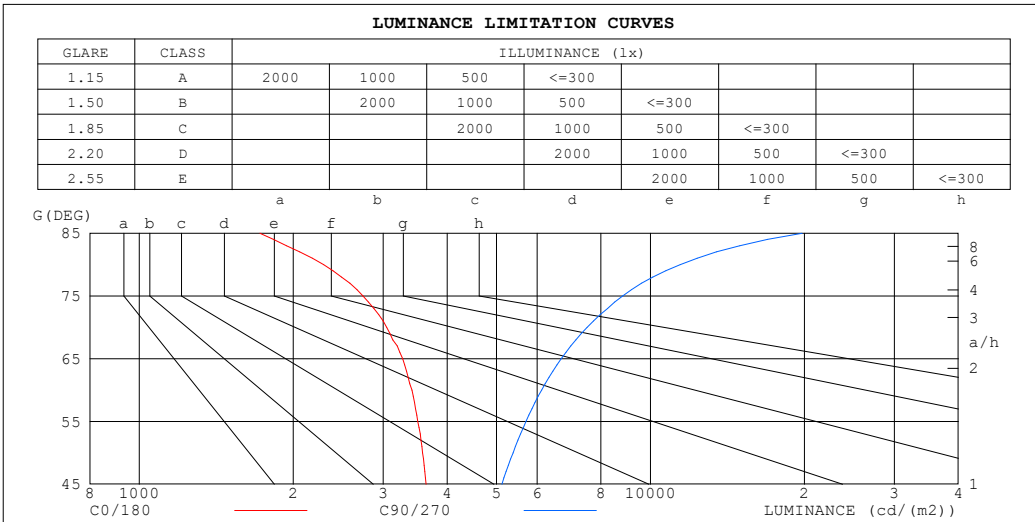
%lamp = 61.5%

C Range: 0 - 360DEG
 C Interval: 90.0DEG
 Test Speed: HIGH
 Temperature:25.3℃
 Operators:DAMIN
 Test Date:07 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:120.00V I:0.2131A P:24.015W PF:0.9390 Freq:59.98Hz Lamp Flux:1626.95x1 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	1721	19796
80	2293	11438
75	2739	8814
70	3046	7520
65	3274	6688
60	3413	6122
55	3507	5708
50	3583	5384
45	3639	5119

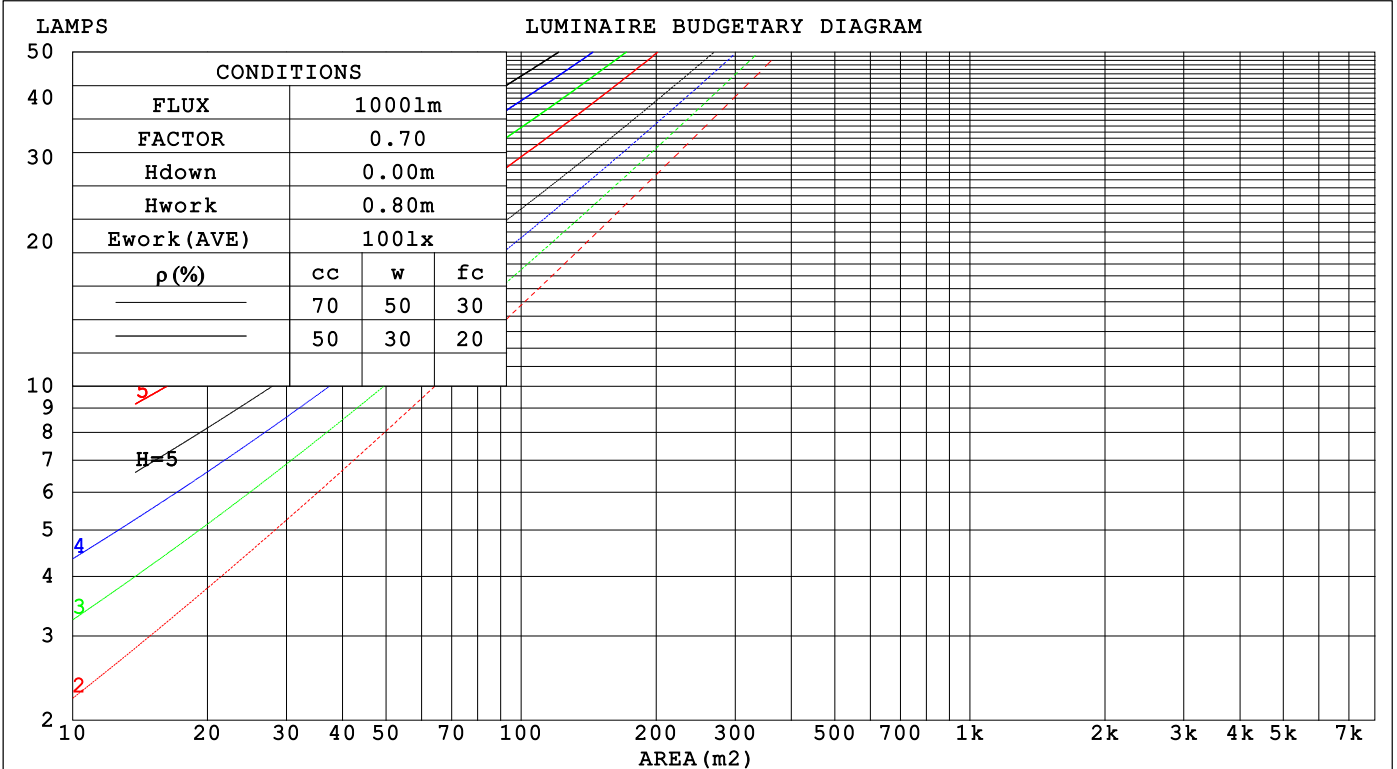
C Range: 0 - 360DEG
 C Interval: 90.0DEG
 Test Speed: HIGH
 Temperature:25.3 °C
 Operators:DAMIN
 Test Date:07 August 2025

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:120.00V I:0.2131A P:24.015W PF:0.9390 Freq:59.98Hz Lamp Flux:1626.95x1 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	.71	.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	.41	.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:07 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:120.00V I:0.2131A P:24.015W PF:0.9390 Freq:59.98Hz Lamp Flux:1626.95x1 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	.343	.197	.063	.325	.188	.060	.309	.179	.058	
2.0	.329	.180	.055	.320	.176	.054	.302	.168	.052	.286	.161	.050	.271	.153	.048	
3.0	.295	.157	.047	.287	.154	.046	.271	.147	.045	.256	.141	.043	.243	.135	.042	
4.0	.267	.139	.041	.259	.136	.040	.245	.130	.039	.232	.125	.038	.220	.119	.036	
5.0	.243	.124	.036	.237	.122	.035	.224	.117	.034	.212	.112	.033	.201	.107	.032	
6.0	.224	.112	.032	.217	.110	.032	.206	.105	.031	.195	.101	.030	.185	.097	.029	
7.0	.206	.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	.270	.270	.270	.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	.221	.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	.158	.119	.143	.110	.084	.083	.064	.049	.027	.021	.016	
5.0	.235	.172	.127	.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	.093	.068	.074	.055	.040	.024	.018	.013	
9.0	.207	.147	.107	.178	.128	.093	.124	.090	.066	.072	.053	.039	.023	.017	.013	
10.0	.201	.143	.104	.173	.124	.091	.120	.087	.065	.070	.052	.039	.023	.017	.013	

C Range: 0 - 360DEG
 C Interval: 90.0DEG
 Test Speed: HIGH
 Temperature:25.3℃
 Operators:DAMIN
 Test Date:07 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:120.00V I:0.2131A P:24.015W PF:0.9390 Freq:59.98Hz										
Lamp Flux:1626.95x1 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	14.9	16.4	15.3	16.8	17.2	17.0	18.5	17.4	18.9	19.3
3H	16.4	17.8	16.9	18.2	18.6	19.6	20.9	20.0	21.3	21.8
4H	17.0	18.3	17.4	18.7	19.2	20.9	22.2	21.4	22.6	23.1
6H	17.4	18.6	17.8	19.0	19.5	22.3	23.6	22.8	24.0	24.5
8H	17.5	18.6	18.0	19.1	19.6	23.1	24.3	23.6	24.8	25.3
12H	17.5	18.6	18.0	19.1	19.7	24.0	25.2	24.5	25.6	26.2
4H 2H	16.0	17.3	16.4	17.7	18.2	17.5	18.8	18.0	19.3	19.7
3H	17.7	18.9	18.2	19.4	19.9	20.3	21.4	20.8	21.9	22.4
4H	18.5	19.5	19.0	20.0	20.6	21.8	22.8	22.3	23.3	23.9
6H	19.0	20.0	19.6	20.5	21.1	23.4	24.3	23.9	24.9	25.5
8H	19.2	20.1	19.8	20.6	21.3	24.3	25.2	24.9	25.7	26.3
12H	19.3	20.1	19.9	20.7	21.3	25.3	26.2	25.9	26.7	27.4
8H 4H	19.3	20.2	19.9	20.7	21.3	22.0	22.9	22.6	23.4	24.1
6H	20.2	20.9	20.8	21.5	22.1	23.9	24.6	24.5	25.2	25.9
8H	20.5	21.2	21.1	21.8	22.5	25.0	25.6	25.6	26.2	26.9
12H	20.8	21.4	21.4	22.0	22.7	26.3	26.8	26.9	27.5	28.2
12H 4H	19.5	20.3	20.1	20.9	21.5	22.0	22.8	22.6	23.4	24.0
6H	20.6	21.2	21.2	21.8	22.5	24.0	24.6	24.6	25.2	25.9
8H	21.1	21.6	21.7	22.3	23.0	25.1	25.7	25.8	26.3	27.0
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, 1627 lm Total Lamp Luminous Flux Correct (8log(F/F0) = 1.7)
 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:07 August 2025	Remarks:

UTILIZATION FACTORS TABLE

Test:U:120.00V I:0.2131A P:24.015W PF:0.9390 Freq:59.98Hz Lamp Flux:1626.95x1 lm		
NAME: 62673LEDDCS	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.: 1
MFR.: EVERFINE	SUR.:	Shielding Angle:

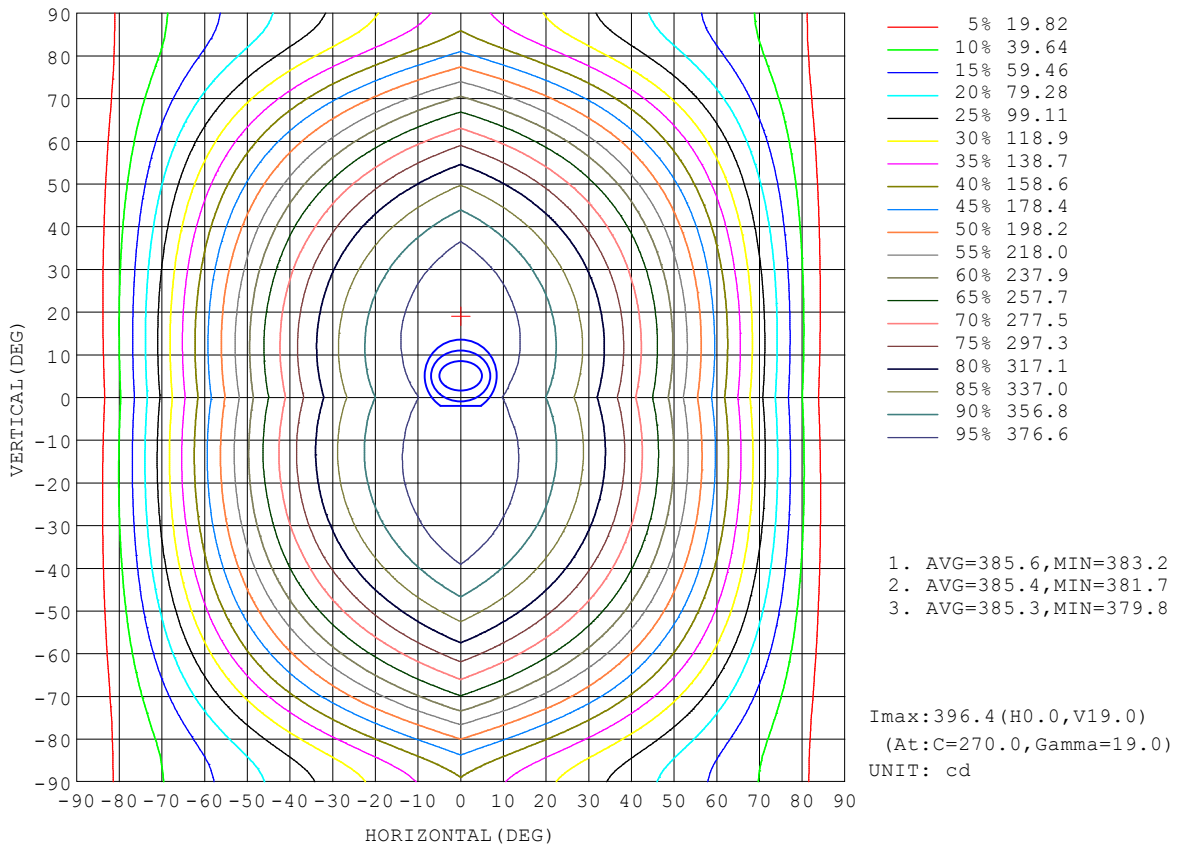
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS (PERCENT) $k(RI) \times RCR = 5$									
k = 0.60	50	38	31	49	38	30	48	37	30	23
0.80	60	47	39	58	46	39	56	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:07 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:120.00V I:0.2131A P:24.015W PF:0.9390 Freq:59.98Hz Lamp Flux:1626.95x1 lm		
NAME: 62673LEDDCS	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.: 1
MFR.: EVERFINE	SUR.:	Shielding Angle:

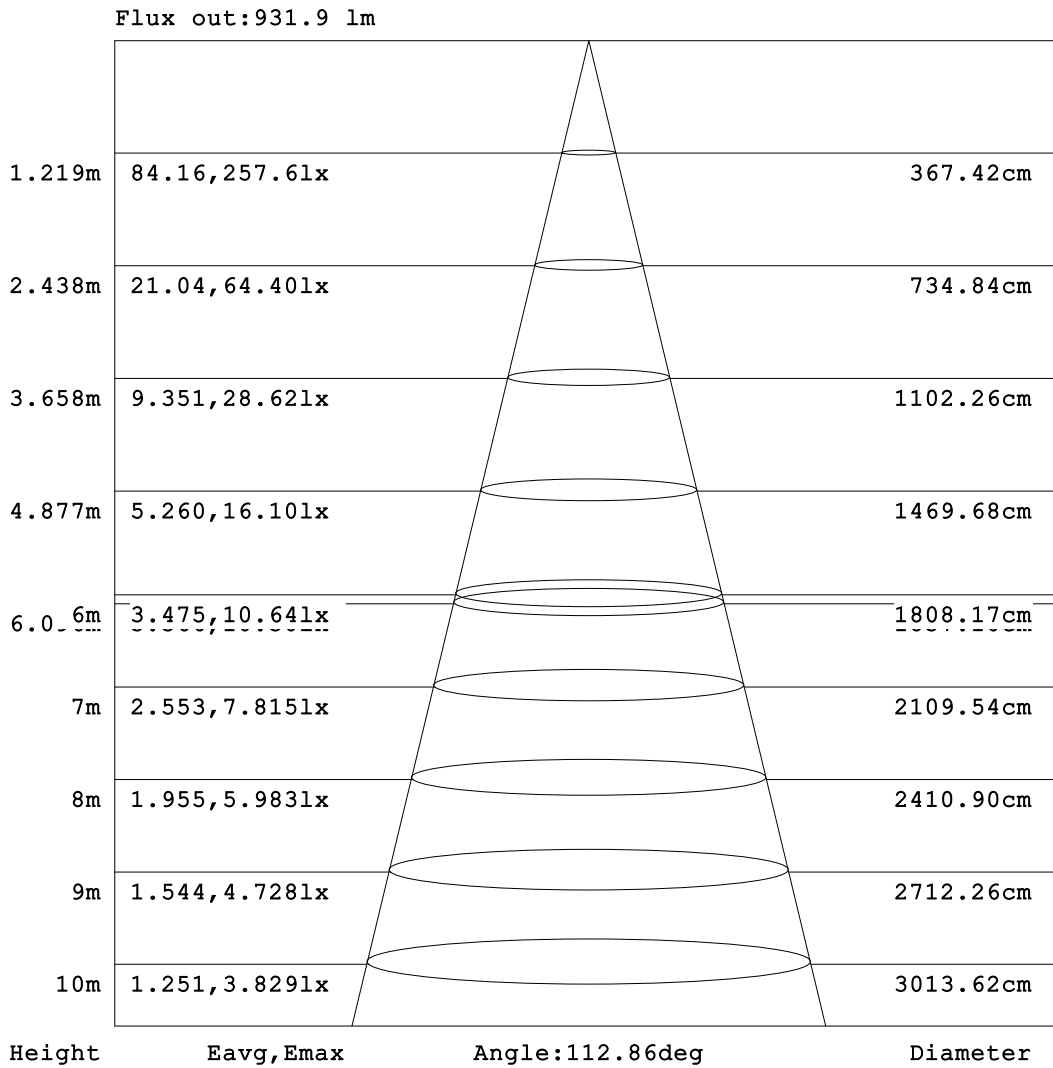


C Range: 0 - 360DEG
C Interval: 90.0DEG
Test Speed: HIGH
Temperature: 25.3 °C
Operators: DAMIN
Test Date: 07 August 2025

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:120.00V I:0.2131A P:24.015W PF:0.9390 Freq:59.98Hz Lamp Flux:1626.95x1 lm		
NAME: 62673LEDDCS	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.: 1
MFR.: EVERFINE	SUR.:	Shielding Angle:



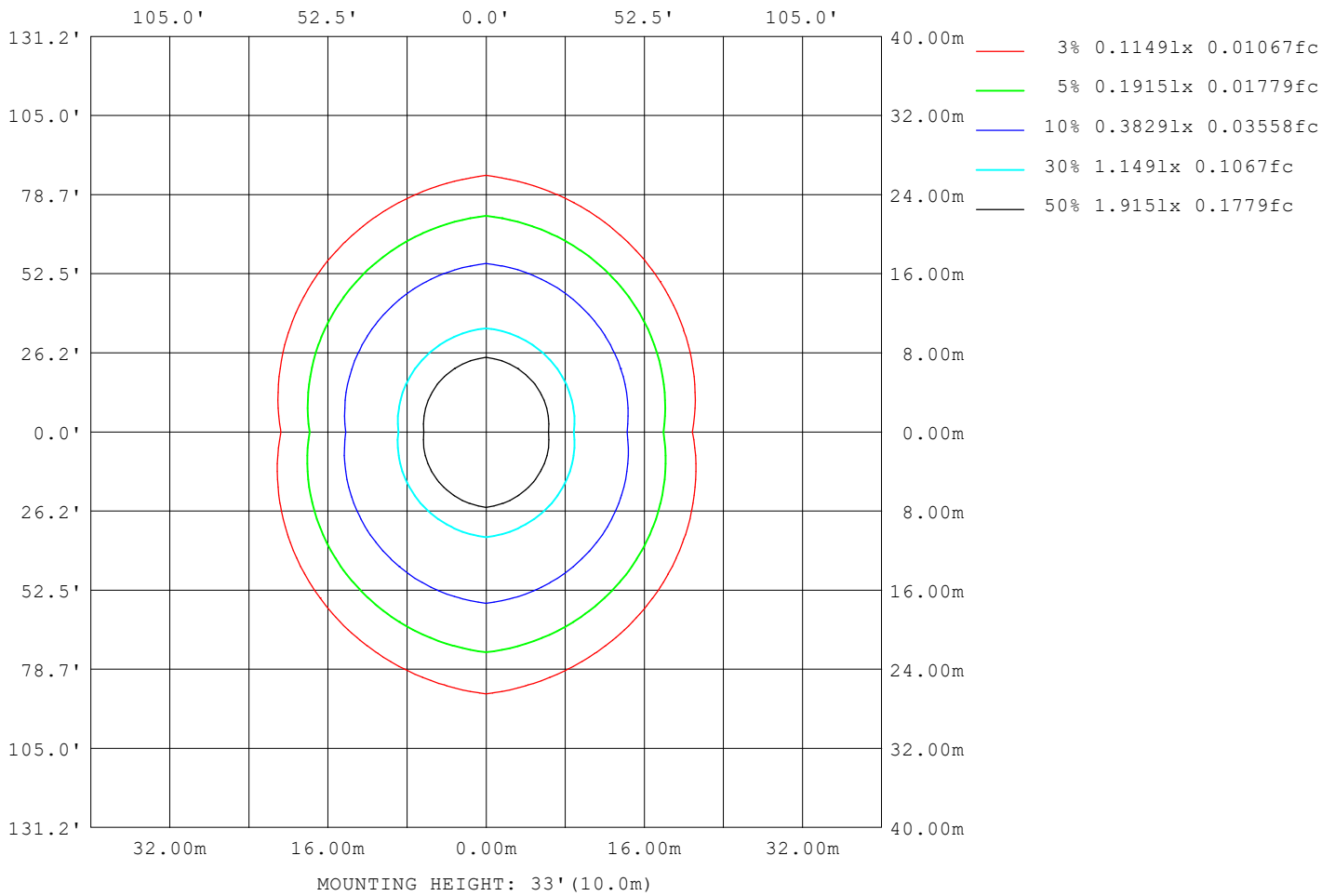
Note: The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
 C Interval: 90.0DEG
 Test Speed: HIGH
 Temperature: 25.3 °C
 Operators: DAMIN
 Test Date: 07 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:120.00V I:0.2131A P:24.015W PF:0.9390 Freq:59.98Hz Lamp Flux:1626.95x1 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:07 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:120.00V I:0.2131A P:24.015W PF:0.9390 Freq:59.98Hz Lamp Flux:1626.95x1 lm		
NAME: 62673LEDDCS	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.: 1
MFR.: EVERFINE	SUR.:	Shielding Angle:

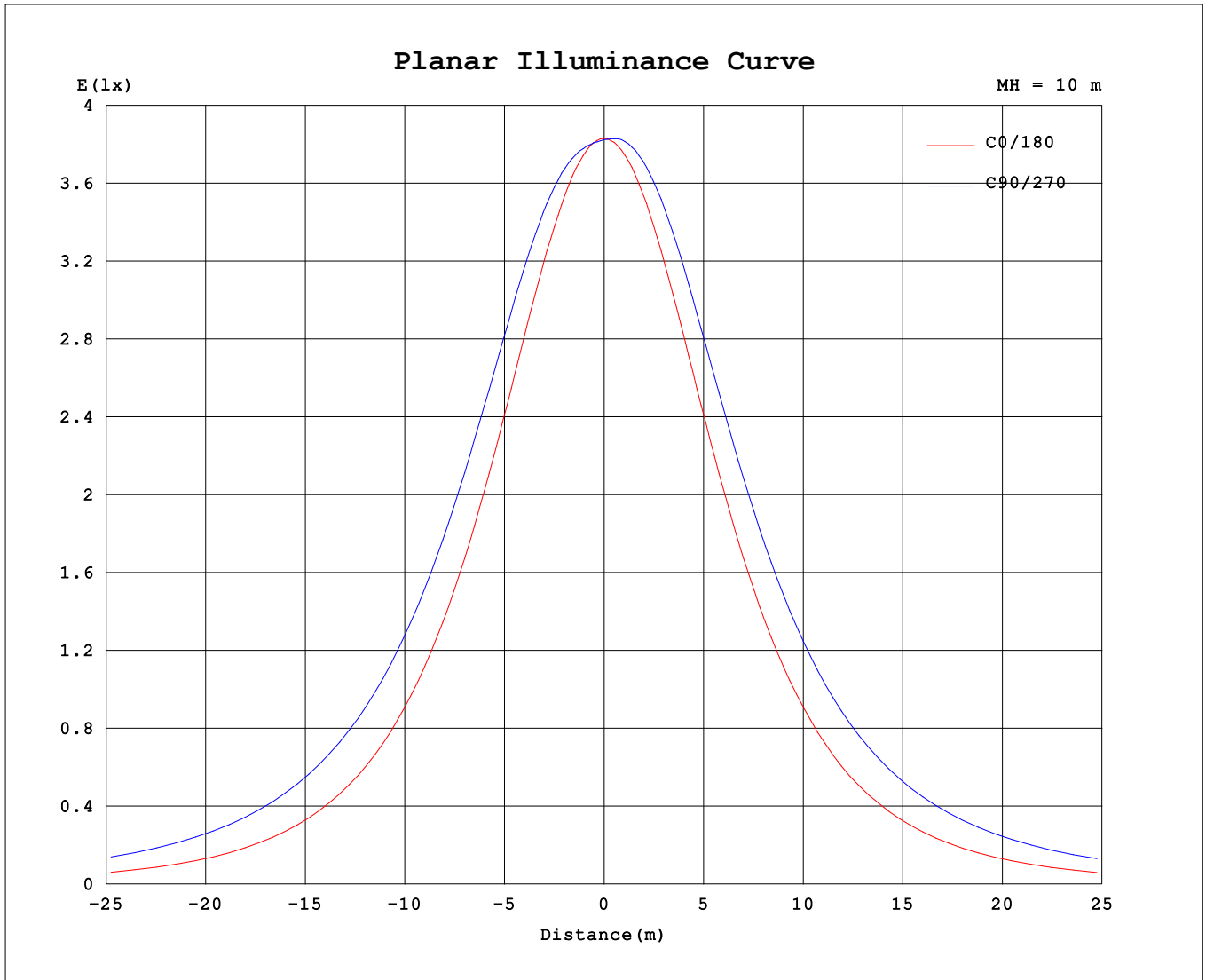
AvgL	cd/m2
L_0~180 (65) av	3242
L_0~180 (75) av	2697
L_0~180 (85) av	1618
L_90~270 (65) av	6505
L_90~270 (75) av	8500
L_90~270 (85) av	19155
L_45 (65) av	5280
L_45 (75) av	6321
L_45 (85) av	12572

Standard: GB/T 29293-2012

C Range: 0 - 360DEG
 C Interval: 90.0DEG
 Test Speed: HIGH
 Temperature:25.3℃
 Operators:DAMIN
 Test Date:07 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: 07 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:120.00V I:0.2131A P:24.015W PF:0.9390 Freq:59.98Hz Lamp Flux:1626.95x1 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	383	382	383	382															
5	381	383	381	387															
10	376	388	376	392															
15	368	393	368	395															
20	357	395	357	396															
25	342	395	342	394															
30	325	391	325	389															
35	305	385	305	380															
40	282	375	282	368															
45	257	362	258	353															
50	230	346	229	336															
55	201	327	199	315															
60	171	306	168	292															
65	138	283	136	267															
70	104	257	102	240															
75	70.9	228	68.7	212															
80	39.8	199	37.5	184															
85	15.0	173	13.2	161															
90	5.69	156	5.38	150															
95	5.47	102	5.13	104															
100	5.57	69.6	5.30	55.8															
105	5.92	49.3	5.65	40.5															
110	6.27	54.4	5.98	41.2															
115	6.55	40.3	6.17	37.7															
120	6.79	35.8	6.30	34.5															
125	6.97	33.2	6.35	31.9															
130	6.93	32.3	6.45	30.7															
135	6.95	33.9	6.59	31.0															
140	7.05	38.0	6.67	31.1															
145	7.07	40.8	6.67	27.7															
150	7.08	32.0	6.71	30.4															
155	7.10	18.6	6.84	17.2															
160	7.17	16.5	7.00	14.9															
165	7.26	18.4	7.16	15.3															
170	7.37	14.9	7.29	11.7															
175	7.43	8.27	7.41	8.00															
180	7.49	7.58	7.49	7.56															

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: