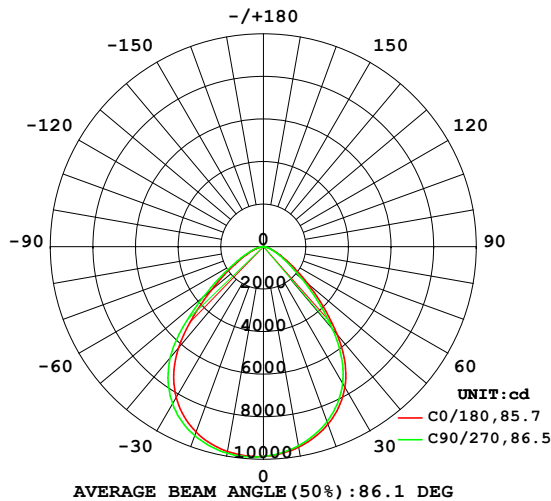


LUMINAIRE PHOTOMETRIC TEST REPORT

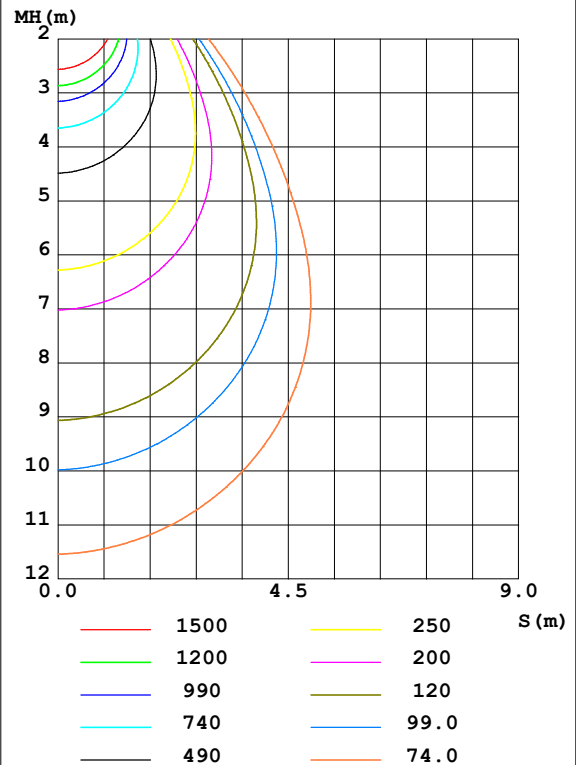
Test:U:219.93V I:0.4692A P:100.14W PF:0.9705 Freq:60.04Hz Lamp Flux:18183.4x1 lm		
NAME: UF 100 PRO CR 30 50 7 090	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:30*30	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 181.58 lm/W			
MODEL	UF 100 PRO CR 30 50 7 090	I _{max} (cd)	9907	S/MH (C0/180)	1.23
NOMINAL POWER (W)	100	LOR (%)	100.0	S/MH (C90/270)	1.27
RATED VOLTAGE (V)	220	TOTAL FLUX (lm)	18183	η UP, DN (C0-180)	0.0, 46.2
NOMINAL FLUX (lm)	18183.4	CIE CLASS	DIRECT	η UP, DN (C180-360)	0.0, 53.8
LAMPS INSIDE	1	η up (%)	0.0	CIBSE SHR NOM	1.25
TEST VOLTAGE (V)	220	η down (%)	100.0	CIBSE SHR MAX	1.25

LUMINOUS INTENSITY DISTRIBUTION DIAGRAM



C0 PLANE ISOLUX DIAGRAM (UNIT:lx)



C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: DAMIN
Test Date: 2025-07-02

γ Range: 0 - 90DEG
γ Interval: 1.0DEG
Test System: EVERFINE GO-2000B_V1 SYSTEM V2.00.411
Humidity: 65.0%
Test Distance: 10.000m [K=1.0000]
Remarks:

ZONAL FLUX DIAGRAM

ZONAL FLUX DIAGRAM:

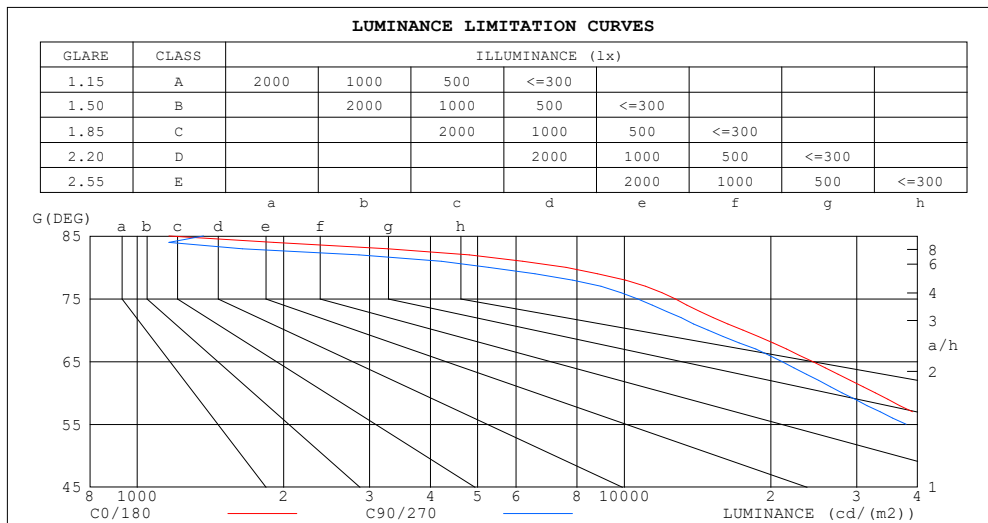
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum, lamp
10	9569	9473	9503	9619	9773	9864	9855	9743	0- 10	932.4	932.4	5.13,5.13
20	8879	8675	8750	8988	9267	9428	9452	9251	10- 20	2661	3593	19.8,19.8
30	7649	7271	7437	7823	8192	8400	8536	8273	20- 30	3952	7545	41.5,41.5
40	5397	4805	5051	5677	6181	6466	6810	6445	30- 40	4370	11914	65.5,65.5
50	2734	2455	2381	2528	3229	3521	3673	3249	40- 50	3352	15266	84,84
60	1158	1052	989.9	1041	1313	1606	1538	1362	50- 60	1777	17044	93.7,93.7
70	423.8	372.8	359.1	386.2	518.7	641.6	600.9	530.3	60- 70	817.9	17862	98.2,98.2
80	93.14	67.25	64.64	84.76	133.7	170.7	164.1	130.2	70- 80	285.2	18147	99.8,99.8
90	4.147	5.112	6.057	5.244	3.949	3.924	3.339	3.742	80- 90	36.43	18183	100,100
100									90-100			
110									100-110			
120									110-120			
130									120-130			
140									130-140			
150									140-150			
160									150-160			
170									160-170			
180									170-180			
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:DAMIN
 Test Date:2025-07-02

γ Range: 0 - 90DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.411
 Humidity:65.0%
 Test Distance:10.000m [K=1.0000]
 Remarks:

LUMINANCE LIMITATION CURVES

Test:U:219.93V I:0.4692A P:100.14W PF:0.9705 Freq:60.04Hz Lamp Flux:18183.4x1 lm		
NAME: UF 100 PRO CR 30 50 7 090	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:30*30	Shielding Angle:



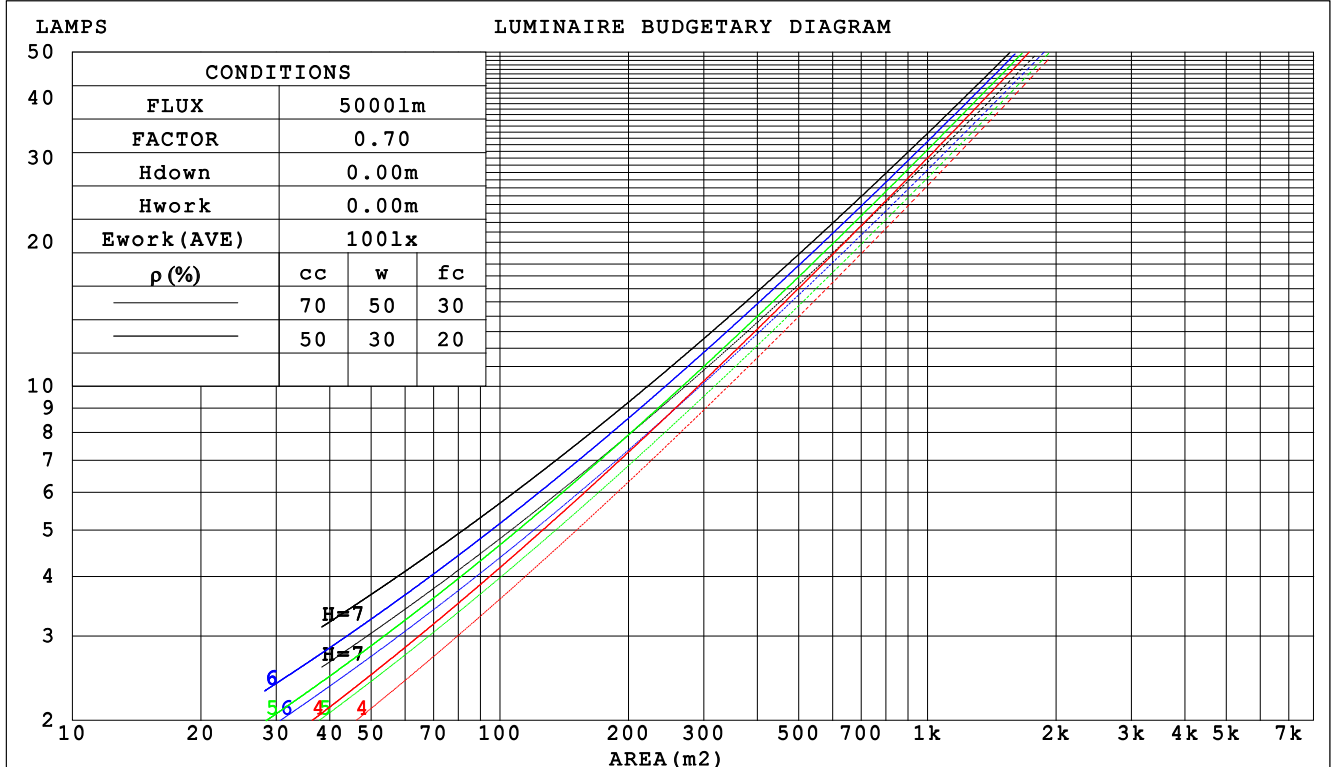
C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:2025-07-02

γ Range: 0 - 90DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.411
Humidity:65.0%
Test Distance:10.000m [K=1.0000]
Remarks:

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:219.93V I:0.4692A P:100.14W PF:0.9705 Freq:60.04Hz Lamp Flux:18183.4x1 lm		
NAME: UF 100 PRO CR 30 50 7 090	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:30*30	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	Coefficients of Utilization(CU)															
RCR:Room Cavity Ratio																
0.0	1.19	1.19	1.19	1.16	1.16	1.16	1.11	1.11	1.11	1.06	1.06	1.06	1.02	1.02	1.02	1.00
1.0	1.08	1.05	1.02	1.06	1.03	1.00	1.02	.99	.97	.98	.96	.94	.94	.93	.91	.89
2.0	.97	.92	.88	.96	.91	.87	.92	.88	.85	.89	.86	.83	.86	.83	.81	.79
3.0	.88	.81	.76	.86	.80	.75	.84	.78	.74	.81	.77	.73	.79	.75	.72	.70
4.0	.80	.72	.67	.78	.72	.67	.76	.70	.66	.74	.69	.65	.72	.68	.64	.62
5.0	.73	.65	.59	.72	.64	.59	.70	.63	.59	.68	.62	.58	.66	.61	.57	.56
6.0	.66	.59	.53	.65	.58	.53	.64	.57	.53	.62	.56	.52	.61	.56	.52	.50
7.0	.61	.53	.48	.60	.53	.48	.59	.52	.47	.57	.51	.47	.56	.51	.47	.45
8.0	.56	.49	.43	.55	.48	.43	.54	.48	.43	.53	.47	.43	.52	.47	.43	.41
9.0	.52	.45	.40	.51	.44	.40	.50	.44	.39	.49	.43	.39	.48	.43	.39	.37
10.0	.48	.41	.36	.48	.41	.36	.47	.40	.36	.46	.40	.36	.45	.40	.36	.34



C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:2025-07-02

γ Range: 0 - 90DEG
 γ Interval: 1.0DEG
 γ Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.411
Humidity:65.0%
Test Distance:10.000m [K=1.0000]
Remarks:

WEC AND CCEC

Test:U:219.93V I:0.4692A P:100.14W PF:0.9705 Freq:60.04Hz Lamp Flux:18183.4x1 lm					
NAME: UF 100 PRO CR 30 50 7 090			TYPE:		WEIGHT:
SPEC.:			DIM.:		SERIAL No.:
MFR.: EVERFINE			SUR.:30*30		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	.232	.132	.042	.225	.128	.041	.212	.122	.039	.200	.115	.037	.189	.110	.035		
2.0	.226	.124	.038	.220	.121	.037	.209	.116	.036	.198	.111	.035	.189	.107	.034		
3.0	.215	.114	.034	.210	.112	.034	.200	.109	.033	.191	.105	.032	.183	.101	.031		
4.0	.204	.106	.031	.199	.104	.031	.191	.101	.030	.183	.098	.030	.175	.095	.029		
5.0	.193	.098	.028	.189	.097	.028	.181	.094	.028	.174	.092	.027	.167	.089	.027		
6.0	.182	.091	.026	.178	.090	.026	.172	.088	.026	.165	.086	.025	.160	.084	.025		
7.0	.172	.085	.024	.169	.084	.024	.163	.082	.024	.157	.081	.023	.152	.079	.023		
8.0	.163	.080	.022	.160	.079	.022	.155	.077	.022	.150	.076	.022	.145	.074	.022		
9.0	.155	.075	.021	.152	.074	.021	.147	.073	.021	.143	.071	.020	.138	.070	.020		
10.0	.147	.070	.020	.144	.070	.019	.140	.069	.019	.136	.068	.019	.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	.190	.190	.190	.163	.163	.163	.111	.111	.111	.064	.064	.064	.020	.020	.020	
1.0	.175	.157	.141	.150	.135	.121	.102	.093	.084	.059	.054	.049	.019	.017	.016	
2.0	.163	.132	.106	.140	.114	.092	.096	.079	.064	.055	.046	.037	.018	.015	.012	
3.0	.154	.114	.082	.132	.098	.071	.091	.068	.050	.052	.040	.029	.017	.013	.010	
4.0	.146	.100	.065	.125	.086	.057	.086	.060	.040	.050	.035	.024	.016	.011	.008	
5.0	.138	.089	.053	.119	.077	.046	.082	.054	.032	.047	.032	.019	.015	.010	.006	
6.0	.132	.080	.044	.113	.070	.038	.078	.049	.027	.045	.029	.016	.015	.009	.005	
7.0	.125	.073	.037	.108	.064	.032	.074	.045	.023	.043	.026	.014	.014	.009	.004	
8.0	.120	.067	.032	.103	.058	.028	.071	.041	.020	.041	.024	.012	.013	.008	.004	
9.0	.114	.062	.027	.098	.054	.024	.068	.038	.017	.040	.023	.010	.013	.007	.003	
10.0	.109	.058	.024	.094	.051	.021	.065	.036	.015	.038	.021	.009	.012	.007	.003	

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:2025-07-02

γ Range: 0 - 90DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.411
Humidity:65.0%
Test Distance:10.000m [K=1.0000]
Remarks:

UGR(Unified Glare Rating) Table

Test:U:219.93V I:0.4692A P:100.14W PF:0.9705 Freq:60.04Hz Lamp Flux:18183.4x1 lm										
NAME: UF 100 PRO CR 30 50 7 090					TYPE:			WEIGHT:		
SPEC.:					DIM.:			SERIAL No.:		
MFR.: EVERFINE					SUR.:30*30			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	14.7	16.0	15.0	16.2	16.4	14.3	15.5	14.5	15.7	15.9
3H	14.9	16.1	15.2	16.3	16.5	14.5	15.6	14.7	15.8	16.0
4H	14.9	16.0	15.2	16.3	16.5	14.5	15.6	14.8	15.8	16.0
6H	14.9	15.9	15.2	16.2	16.5	14.4	15.4	14.7	15.7	15.9
8H	14.9	15.9	15.2	16.1	16.4	14.4	15.3	14.7	15.6	15.9
12H	14.8	15.8	15.2	16.0	16.3	14.3	15.3	14.6	15.5	15.8
4H 2H	14.7	15.8	15.0	16.1	16.3	14.3	15.4	14.6	15.7	15.9
3H	15.0	16.0	15.4	16.3	16.6	14.6	15.5	14.9	15.8	16.1
4H	15.1	15.9	15.5	16.3	16.6	14.6	15.5	15.0	15.8	16.1
6H	15.1	15.8	15.5	16.2	16.5	14.6	15.4	15.0	15.7	16.1
8H	15.0	15.7	15.4	16.1	16.5	14.6	15.3	15.0	15.6	16.0
12H	15.0	15.6	15.4	16.0	16.4	14.5	15.2	15.0	15.5	15.9
8H 4H	15.0	15.7	15.4	16.1	16.5	14.6	15.3	15.0	15.6	16.0
6H	15.0	15.6	15.5	16.0	16.4	14.6	15.1	15.0	15.5	16.0
8H	15.0	15.5	15.4	15.9	16.4	14.5	15.0	15.0	15.5	15.9
12H	15.0	15.4	15.4	15.8	16.3	14.5	14.9	15.0	15.4	15.8
12H 4H	15.0	15.6	15.4	16.0	16.4	14.5	15.2	15.0	15.6	16.0
6H	15.0	15.5	15.4	15.9	16.4	14.5	15.0	15.0	15.5	15.9
8H	15.0	15.4	15.4	15.8	16.3	14.5	14.9	15.0	15.4	15.8
Variations with the observer position at spacings:										
S = 1.0H	+ 1.1 / - 1.6					+ 1.2 / - 1.9				
1.5H	+ 1.2 / - 1.3					+ 1.3 / - 1.2				
2.0H	+ 2.7 / - 2.3					+ 2.5 / - 2.2				

CIE Pub.117, 18183 lm Total Lamp Luminous Flux Correct (8log(F/F0) = 10.1)
Area: 0.07065 m2

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:2025-07-02

γ Range: 0 - 90DEG
 γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.411
Humidity:65.0%
Test Distance:10.000m [K=1.0000]
Remarks:

UTILIZATION FACTORS TABLE

Test:U:219.93V I:0.4692A P:100.14W PF:0.9705 Freq:60.04Hz Lamp Flux:18183.4x1 lm		
NAME: UF 100 PRO CR 30 50 7 090	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:30*30	Shielding Angle:

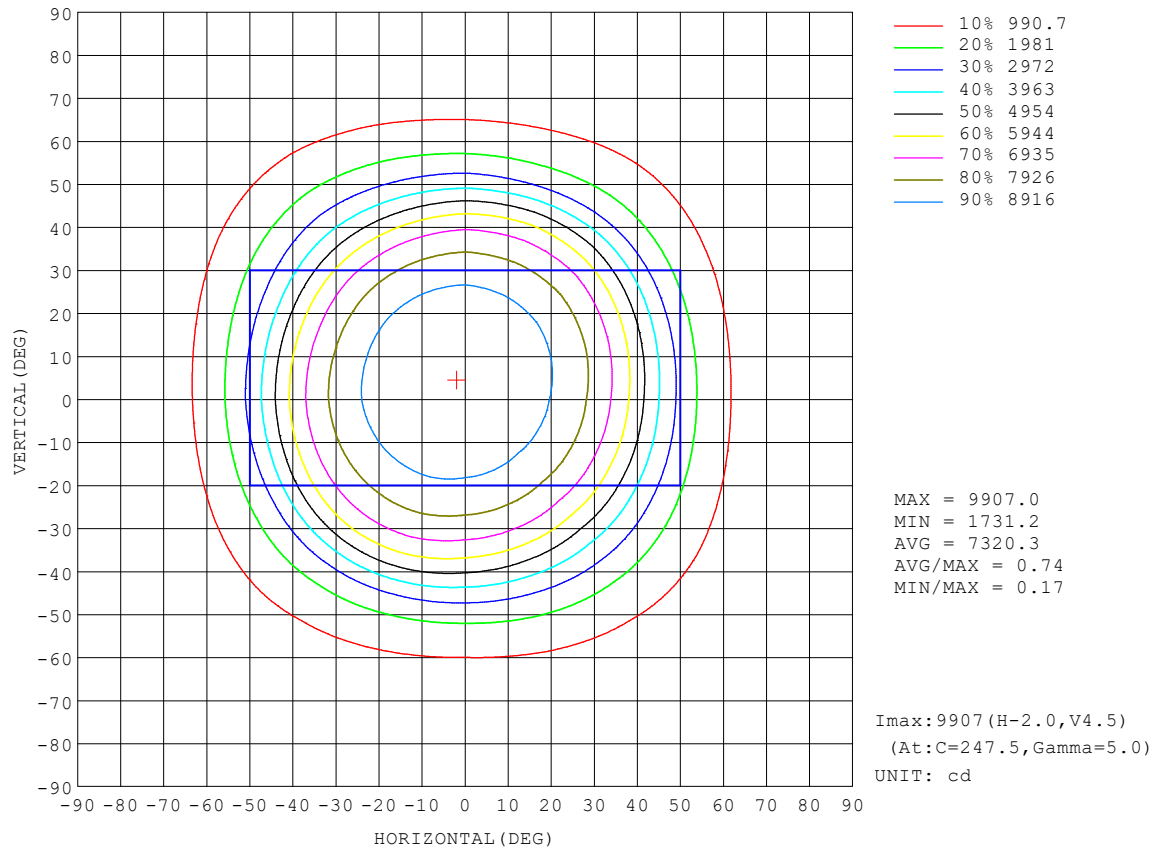
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	70	60	54	69	60	54	68	60	54	49
0.80	79	70	65	79	70	64	77	69	64	59
1.00	87	79	73	86	78	73	84	79	72	67
1.25	93	85	80	92	85	80	90	83	79	73
1.50	97	90	85	96	89	84	93	88	83	77
2.00	102	96	92	101	95	91	98	93	89	83
2.50	105	99	95	103	98	94	100	96	92	85
3.00	108	103	99	106	101	98	102	98	95	88
4.00	110	106	103	108	105	102	104	101	99	91
5.00	112	109	106	110	107	104	105	103	101	93
ROOM INDEX	UF(total)									Direct
According to DIN EN 13032-2 2004			Suspended					SHRNOM = 1.25		

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:2025-07-02

γ Range: 0 - 90DEG
 γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.411
Humidity:65.0%
Test Distance:10.000m [K=1.0000]
Remarks:

ISOCANDELA DIAGRAM

Test:U:219.93V I:0.4692A P:100.14W PF:0.9705 Freq:60.04Hz Lamp Flux:18183.4x1 lm		
NAME: UF 100 PRO CR 30 50 7 090	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:30*30	Shielding Angle:

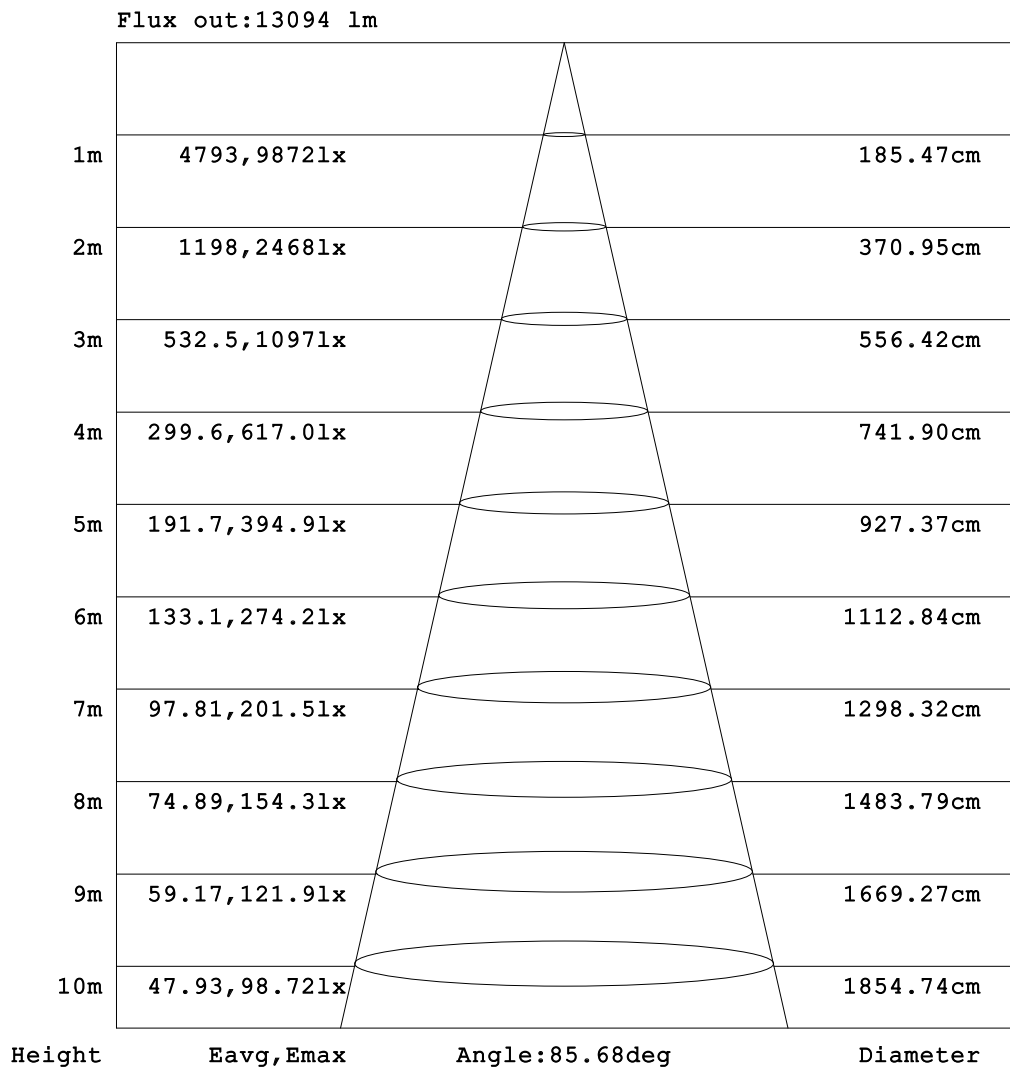


C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:2025-07-02

γ Range: 0 - 90DEG
 γ Interval: 1.0DEG
 γ Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.411
Humidity:65.0%
Test Distance:10.000m [K=1.0000]
Remarks:

AAI Figure

Test:U:219.93V I:0.4692A P:100.14W PF:0.9705 Freq:60.04Hz Lamp Flux:18183.4x1 lm		
NAME: UF 100 PRO CR 30 50 7 090	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:30*30	Shielding Angle:



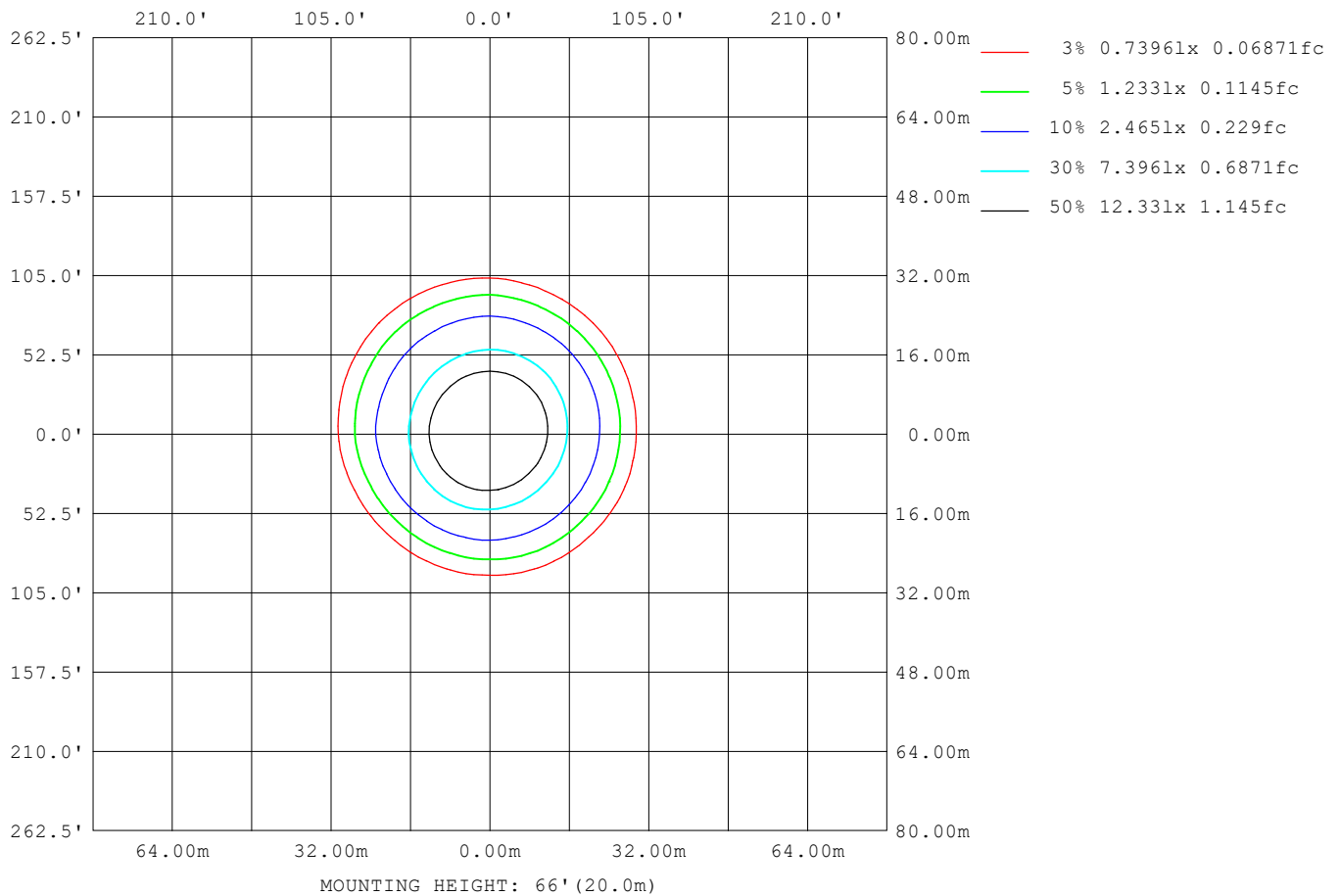
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:2025-07-02

γ Range: 0 - 90DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.411
Humidity:65.0%
Test Distance:10.000m [K=1.0000]
Remarks:

ISOLUX DIAGRAM

Test:U:219.93V I:0.4692A P:100.14W PF:0.9705 Freq:60.04Hz Lamp Flux:18183.4x1 lm		
NAME: UF 100 PRO CR 30 50 7 090	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:30*30	Shielding Angle:



C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:DAMIN
 Test Date:2025-07-02

γ Range: 0 - 90DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.411
 Humidity:65.0%
 Test Distance:10.000m [K=1.0000]
 Remarks:

LED Avg.L Report

Test:U:219.93V I:0.4692A P:100.14W PF:0.9705 Freq:60.04Hz Lamp Flux:18183.4x1 lm		
NAME: UF 100 PRO CR 30 50 7 090	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:30*30	Shielding Angle:

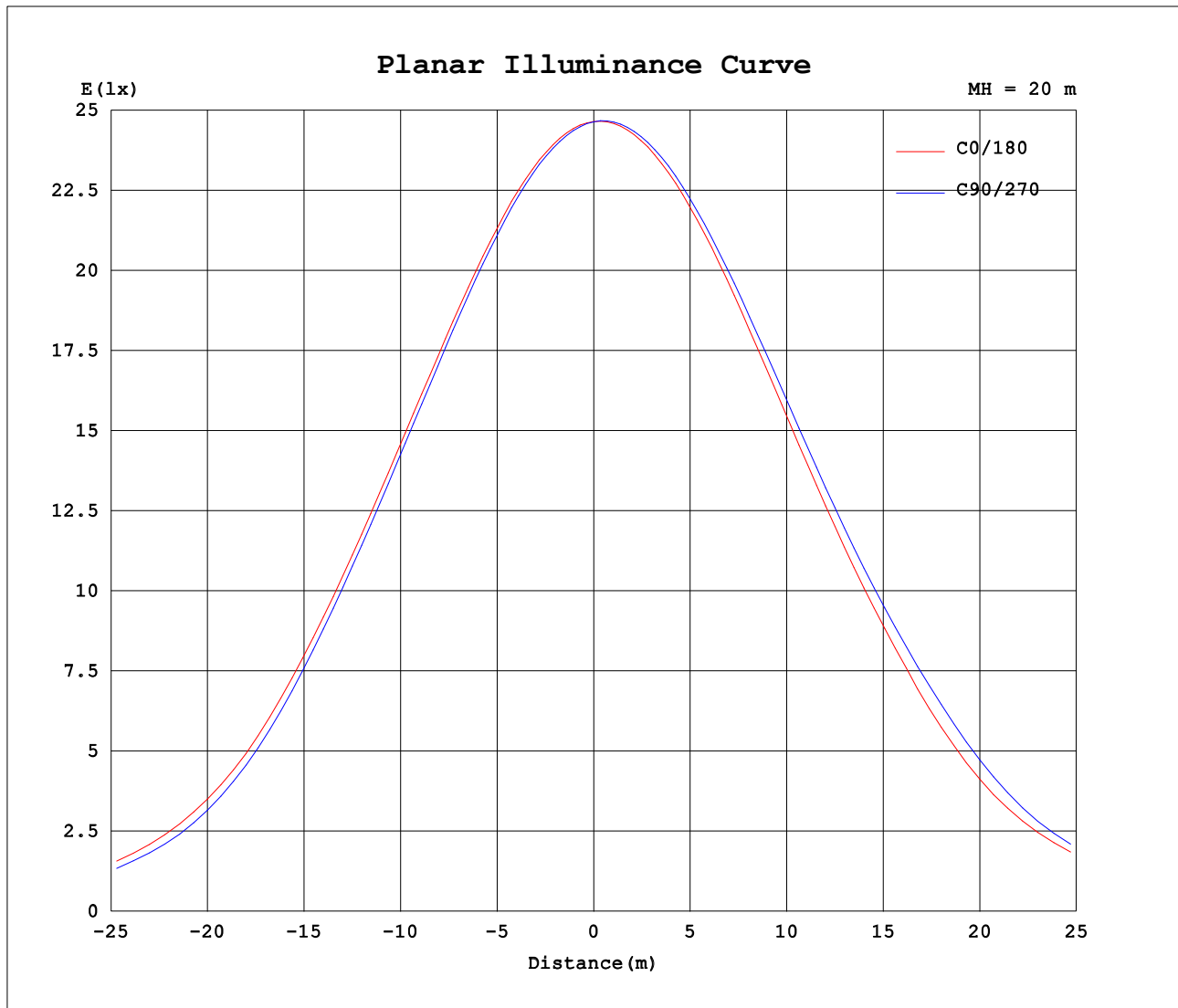
AvgL	cd/m2
L_0~180 (65) av	26499
L_0~180 (75) av	14127
L_0~180 (85) av	2032
L_90~270 (65) av	27165
L_90~270 (75) av	14470
L_90~270 (85) av	3794
L_45 (65) av	27225
L_45 (75) av	13747
L_45 (85) av	3873

Standard: GB/T 29293-2012

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:2025-07-02

γ Range: 0 - 90DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.411
Humidity:65.0%
Test Distance:10.000m [K=1.0000]
Remarks:

Planar Illuminance Curve



C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: DAMIN
Test Date: 2025-07-02

γ Range: 0 - 90DEG
 γ Interval: 1.0DEG
Test System: EVERFINE GO-2000B_V1 SYSTEM V2.00.411
Humidity: 65.0%
Test Distance: 10.000m [K=1.0000]
Remarks:

```

γ Range: 0 - 90DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.411
Humidity:65.0%
Test Distance:10.000m [K=1.0000]
Remarks:

```