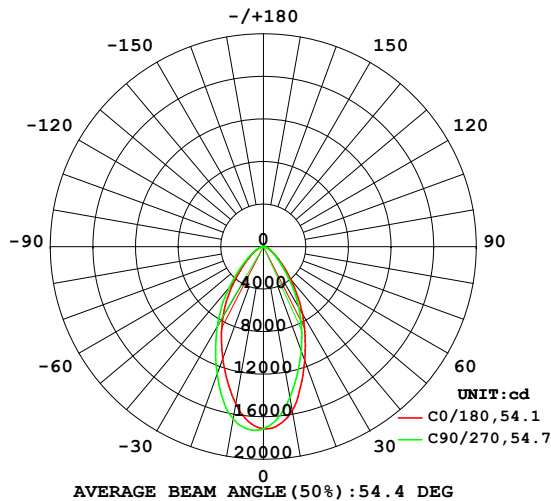


LUMINAIRE PHOTOMETRIC TEST REPORT

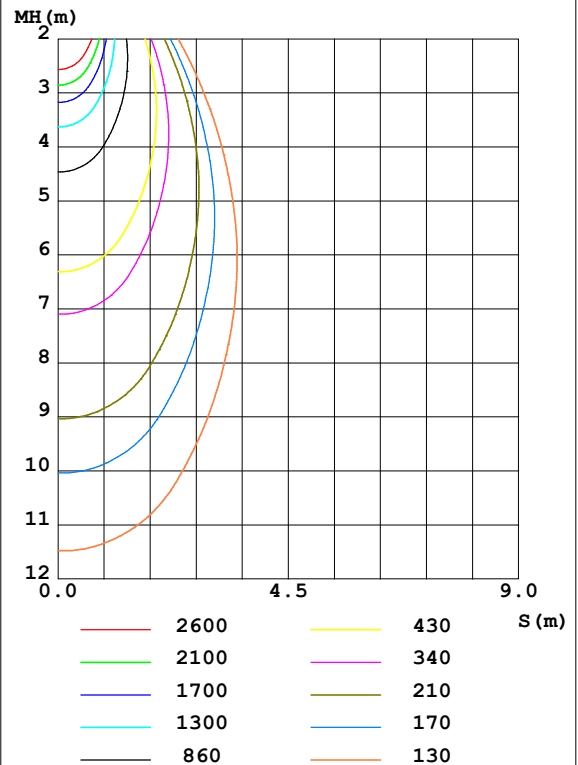
Test:U:219.94V I:0.4686A P:100.01W PF:0.9704 Freq:60.04Hz Lamp Flux:17664.3x1 lm		
NAME: UF 100 PRO 30 50 7 060	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:30*30	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 176.62 lm/W			
MODEL	UF 100 PRO CR 30 50 7 060	I _{max} (cd)	17299	S/MH (C0/180)	0.79
NOMINAL POWER (W)	100	LOR (%)	100.0	S/MH (C90/270)	0.88
RATED VOLTAGE (V)	220	TOTAL FLUX (lm)	17664	η UP, DN (C0-180)	0.0, 45.9
NOMINAL FLUX (lm)	17664.3	CIE CLASS	DIRECT	η UP, DN (C180-360)	0.0, 54.1
LAMPS INSIDE	1	η up (%)	0.0	CIBSE SHR NOM	0.75
TEST VOLTAGE (V)	220	η down (%)	100.0	CIBSE SHR MAX	0.90

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:

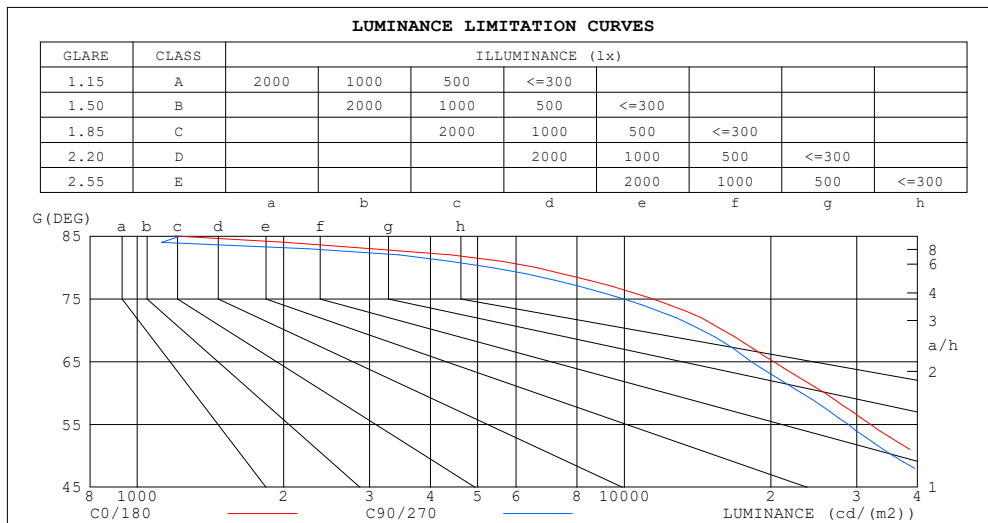
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum, lamp
10	1566	1468	1438	1449	1502	1570	1645	1657	0- 10	1550	1550	8.77,8.77
20	1137	1039	1039	1060	1119	1173	1274	1285	10- 20	3749	5299	30,30
30	736.1	667.0	670.8	693.0	763.8	806.3	869.1	845.3	20- 30	4316	9615	54.4,54.4
40	398.8	362.5	345.4	357.6	426.2	475.2	499.6	456.2	30- 40	3598	13213	74.8,74.8
50	185.2	174.3	162.0	167.5	201.1	237.3	233.3	210.2	40- 50	2252	15464	87.5,87.5
60	91.13	86.34	81.70	85.92	99.99	114.9	112.6	103.7	50- 60	1250	16714	94.6,94.6
70	38.52	35.60	34.90	37.31	44.32	50.19	49.69	46.42	60- 70	658.5	17373	98.4,98.4
80	8.071	6.646	6.527	8.150	11.79	13.20	13.92	12.07	70- 80	256.8	17630	99.8,99.8
90	0.3519	0.4144	0.4981	0.4532	0.3456	0.3036	0.2909	0.3606	80- 90	34.56	17664	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:×10cd									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:219.94V I:0.4686A P:100.01W PF:0.9704 Freq:60.04Hz Lamp Flux:17664.3x1 lm		
NAME: UF 100 PRO 30 50 7 060	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:30*30	Shielding Angle:



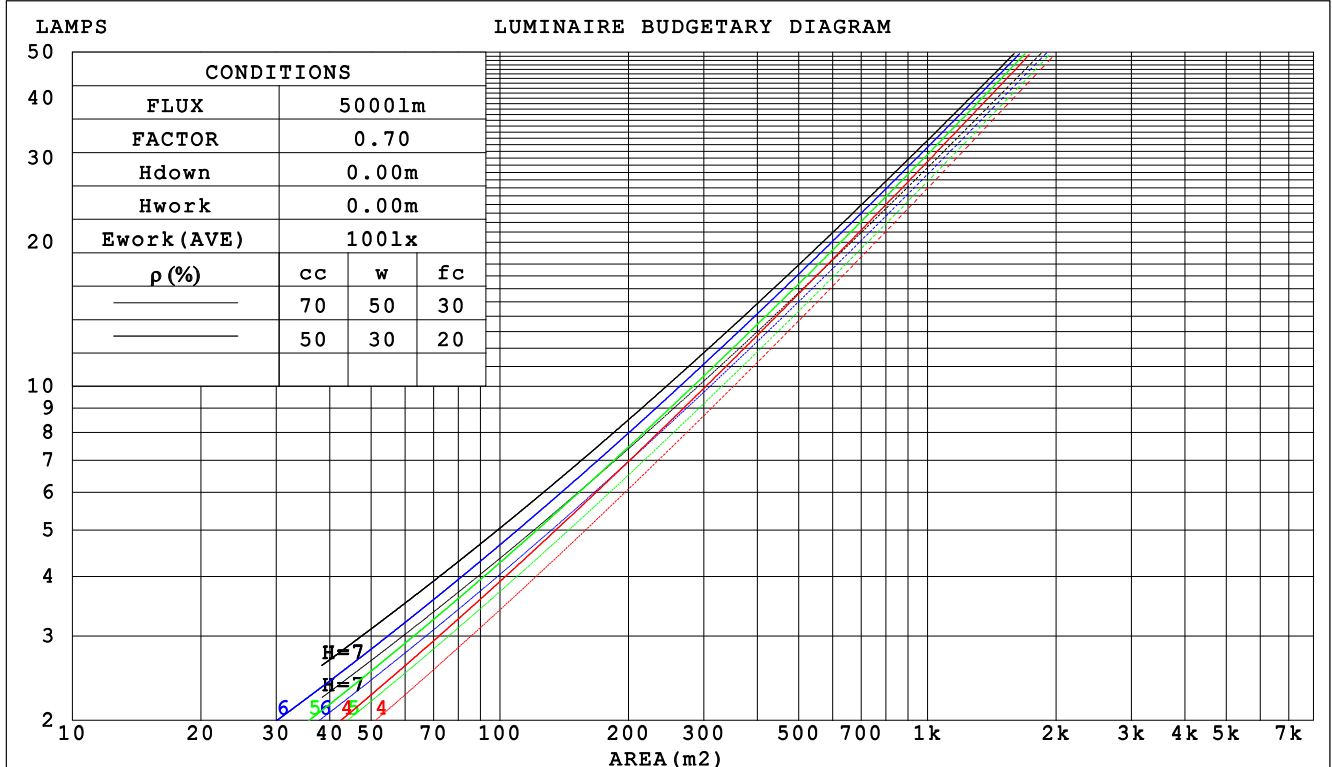
C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:2025-07-02

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:219.94V I:0.4686A P:100.01W PF:0.9704 Freq:60.04Hz Lamp Flux:17664.3x1 lm		
NAME: UF 100 PRO 30 50 7 060	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	1.09	1.06	1.03	1.07	1.04	1.02	1.03	1.00	.98	.99	.97	.95	.95	.94	.93	.91
2.0	.99	.95	.90	.98	.93	.89	.94	.91	.87	.91	.88	.85	.88	.86	.84	.82
3.0	.91	.85	.80	.89	.84	.80	.87	.82	.78	.84	.80	.77	.82	.79	.76	.74
4.0	.84	.77	.72	.82	.76	.72	.80	.75	.71	.78	.73	.70	.76	.72	.69	.67
5.0	.77	.70	.65	.76	.70	.65	.74	.69	.64	.72	.68	.64	.71	.66	.63	.61
6.0	.71	.64	.59	.71	.64	.59	.69	.63	.59	.67	.62	.58	.66	.62	.58	.56
7.0	.66	.60	.55	.66	.59	.54	.64	.58	.54	.63	.58	.54	.62	.57	.54	.52
8.0	.62	.55	.50	.61	.55	.50	.60	.54	.50	.59	.54	.50	.58	.53	.50	.48
9.0	.58	.51	.47	.58	.51	.47	.57	.51	.47	.56	.50	.46	.55	.50	.46	.45
10.0	.55	.48	.44	.54	.48	.44	.53	.47	.43	.52	.47	.43	.52	.47	.43	.42



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:219.94V I:0.4686A P:100.01W PF:0.9704 Freq:60.04Hz Lamp Flux:17664.3x1 lm					
NAME: UF 100 PRO 30 50 7 060			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	.214	.121	.038	.207	.118	.037	.194	.111	.036	.182	.105	.034	.171	.099	.032		
2.0	.206	.113	.035	.200	.110	.034	.189	.105	.033	.179	.101	.031	.170	.096	.030		
3.0	.196	.104	.031	.191	.102	.031	.181	.098	.030	.173	.095	.029	.164	.091	.028		
4.0	.185	.096	.028	.181	.095	.028	.172	.091	.027	.165	.089	.027	.158	.086	.026		
5.0	.175	.089	.026	.171	.088	.026	.164	.085	.025	.157	.083	.025	.151	.081	.024		
6.0	.165	.083	.024	.162	.082	.024	.156	.080	.023	.150	.078	.023	.144	.076	.023		
7.0	.157	.077	.022	.154	.077	.022	.148	.075	.022	.143	.073	.021	.138	.071	.021		
8.0	.149	.073	.020	.146	.072	.020	.141	.070	.020	.136	.069	.020	.131	.067	.020		
9.0	.141	.068	.019	.139	.068	.019	.134	.066	.019	.130	.065	.019	.126	.064	.018		
10.0	.134	.064	.018	.132	.064	.018	.128	.063	.018	.124	.062	.018	.120	.061	.017		

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	.174	.157	.142	.149	.135	.122	.102	.093	.085	.058	.054	.049	.019	.017	.016	
2.0	.161	.132	.108	.138	.114	.094	.094	.079	.065	.054	.046	.038	.017	.015	.012	
3.0	.150	.114	.085	.129	.098	.074	.088	.068	.052	.051	.040	.030	.016	.013	.010	
4.0	.141	.100	.068	.121	.086	.059	.083	.060	.042	.048	.035	.025	.015	.011	.008	
5.0	.133	.088	.055	.114	.076	.048	.079	.053	.034	.046	.031	.020	.015	.010	.007	
6.0	.126	.079	.046	.108	.069	.040	.075	.048	.028	.043	.028	.017	.014	.009	.006	
7.0	.119	.072	.039	.103	.063	.034	.071	.044	.024	.041	.026	.014	.013	.008	.005	
8.0	.114	.066	.033	.098	.057	.029	.068	.040	.021	.039	.024	.012	.013	.008	.004	
9.0	.108	.061	.029	.093	.053	.025	.065	.037	.018	.038	.022	.011	.012	.007	.004	
10.0	.103	.057	.026	.089	.049	.022	.062	.035	.016	.036	.020	.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:219.94V I:0.4686A P:100.01W PF:0.9704 Freq:60.04Hz Lamp Flux:17664.3x1 lm										
NAME: UF 100 PRO 30 50 7 060					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	13.0	14.2	13.3	14.4	14.5	12.5	13.7	12.8	13.8	14.0
3H	13.4	14.4	13.7	14.6	14.9	12.9	13.9	13.1	14.1	14.3
4H	13.4	14.4	13.7	14.7	14.9	12.9	13.9	13.2	14.1	14.4
6H	13.4	14.3	13.7	14.6	14.9	12.9	13.8	13.2	14.1	14.3
8H	13.4	14.3	13.7	14.5	14.8	12.8	13.7	13.2	14.0	14.3
12H	13.3	14.2	13.7	14.5	14.8	12.8	13.7	13.1	13.9	14.2
4H 2H	13.1	14.1	13.4	14.3	14.6	12.7	13.7	13.0	13.9	14.1
3H	13.6	14.4	13.9	14.7	15.0	13.1	14.0	13.4	14.3	14.5
4H	13.7	14.5	14.0	14.8	15.1	13.2	14.0	13.6	14.3	14.6
6H	13.7	14.4	14.1	14.7	15.1	13.2	13.9	13.6	14.2	14.6
8H	13.6	14.3	14.0	14.6	15.0	13.2	13.8	13.6	14.2	14.5
12H	13.6	14.2	14.0	14.6	14.9	13.1	13.7	13.5	14.1	14.5
8H 4H	13.6	14.3	14.0	14.6	15.0	13.2	13.8	13.6	14.2	14.5
6H	13.6	14.2	14.1	14.6	15.0	13.2	13.7	13.6	14.1	14.5
8H	13.6	14.1	14.1	14.5	14.9	13.2	13.6	13.6	14.0	14.5
12H	13.6	14.0	14.0	14.4	14.9	13.1	13.5	13.6	14.0	14.4
12H 4H	13.6	14.2	14.0	14.5	14.9	13.1	13.7	13.6	14.1	14.5
6H	13.6	14.1	14.1	14.5	14.9	13.2	13.6	13.6	14.0	14.5
8H	13.6	14.0	14.0	14.4	14.9	13.1	13.5	13.6	14.0	14.4
Variations with the observer position at spacings:										
S = 1.0H	+ 1.0 / - 1.5					+ 1.0 / - 1.5				
1.5H	+ 1.5 / - 1.0					+ 1.3 / - 1.0				
2.0H	+ 2.1 / - 1.8					+ 1.9 / - 1.6				

CIE Pub.117, 17664 lm Total Lamp Luminous Flux Correct (8log(F/F0) = 10.0)
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:219.94V I:0.4686A P:100.01W PF:0.9704 Freq:60.04Hz Lamp Flux:17664.3x1 lm		
NAME: UF 100 PRO 30 50 7 060	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:30*30	Shielding Angle:

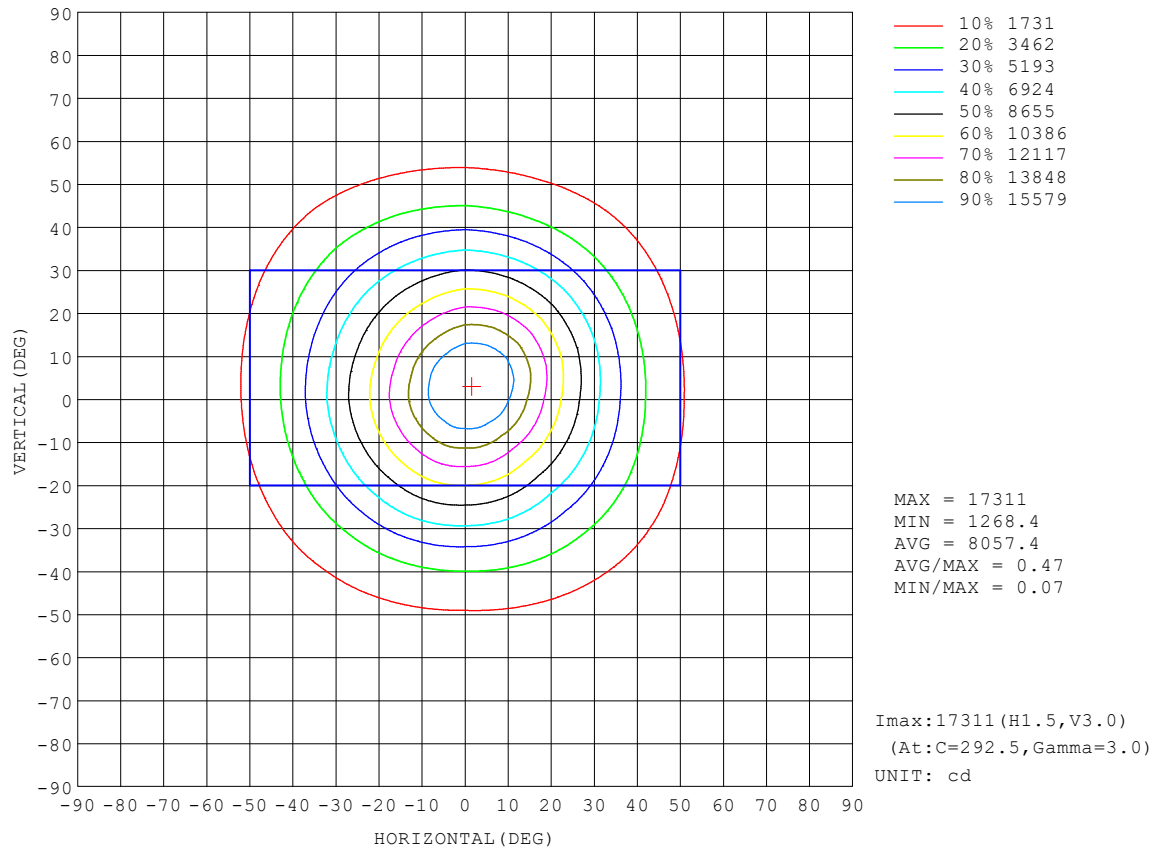
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS (PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	76	67	62	75	67	62	74	67	62	57
0.80	85	77	71	84	76	71	82	75	71	66
1.00	91	83	78	90	83	78	88	83	78	73
1.25	96	89	85	95	89	84	93	87	83	78
1.50	100	94	89	99	93	88	96	91	87	82
2.00	104	99	94	103	98	94	100	96	92	86
2.50	107	102	98	105	100	97	102	98	95	88
3.00	109	104	101	107	103	100	103	100	97	90
4.00	111	108	105	109	106	103	105	103	101	93
5.00	113	110	107	111	108	106	107	105	103	95
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:219.94V I:0.4686A P:100.01W PF:0.9704 Freq:60.04Hz Lamp Flux:17664.3x1 lm		
NAME: UF 100 PRO 30 50 7 060	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:30*30	Shielding Angle:

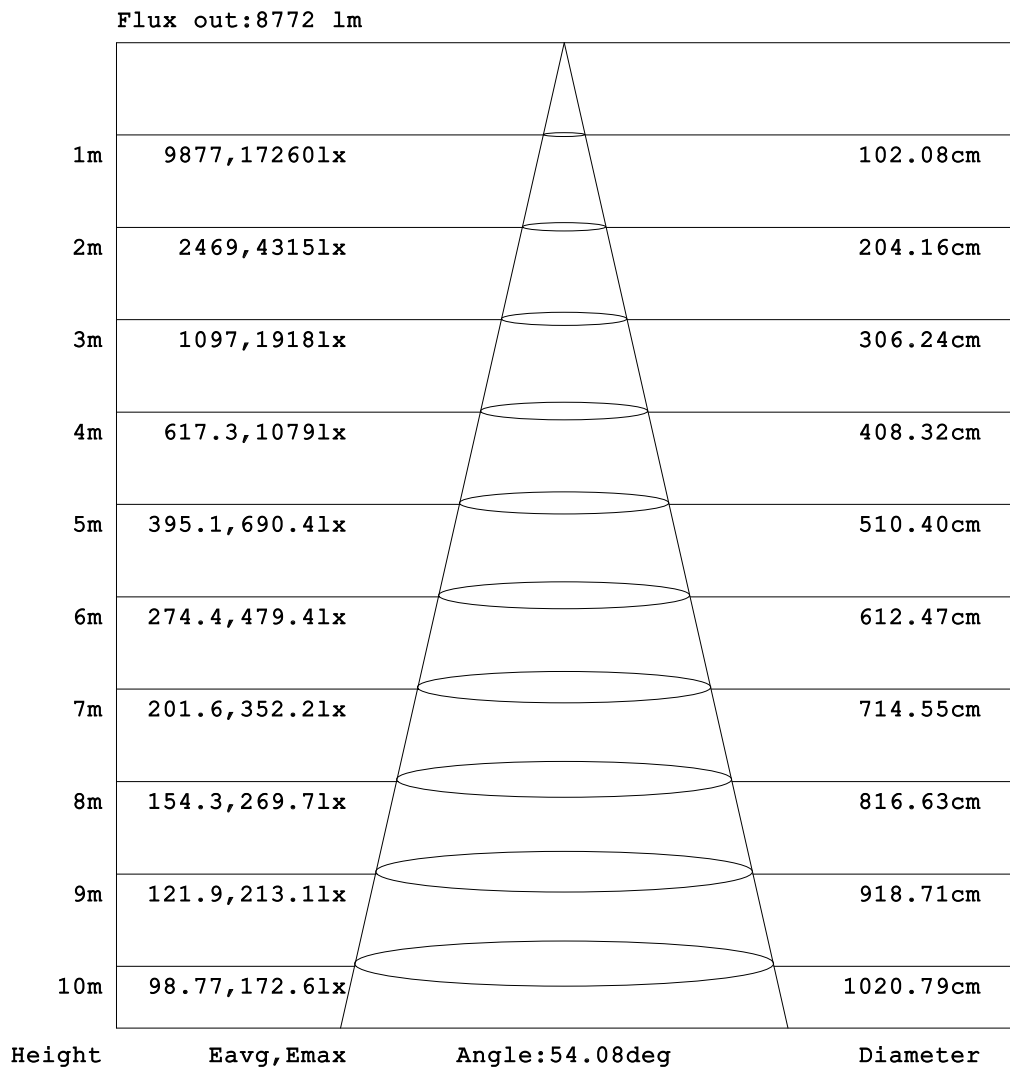


C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:2025-07-02

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:219.94V I:0.4686A P:100.01W PF:0.9704 Freq:60.04Hz Lamp Flux:17664.3x1 lm		
NAME: UF 100 PRO 30 50 7 060	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:30*30	Shielding Angle:



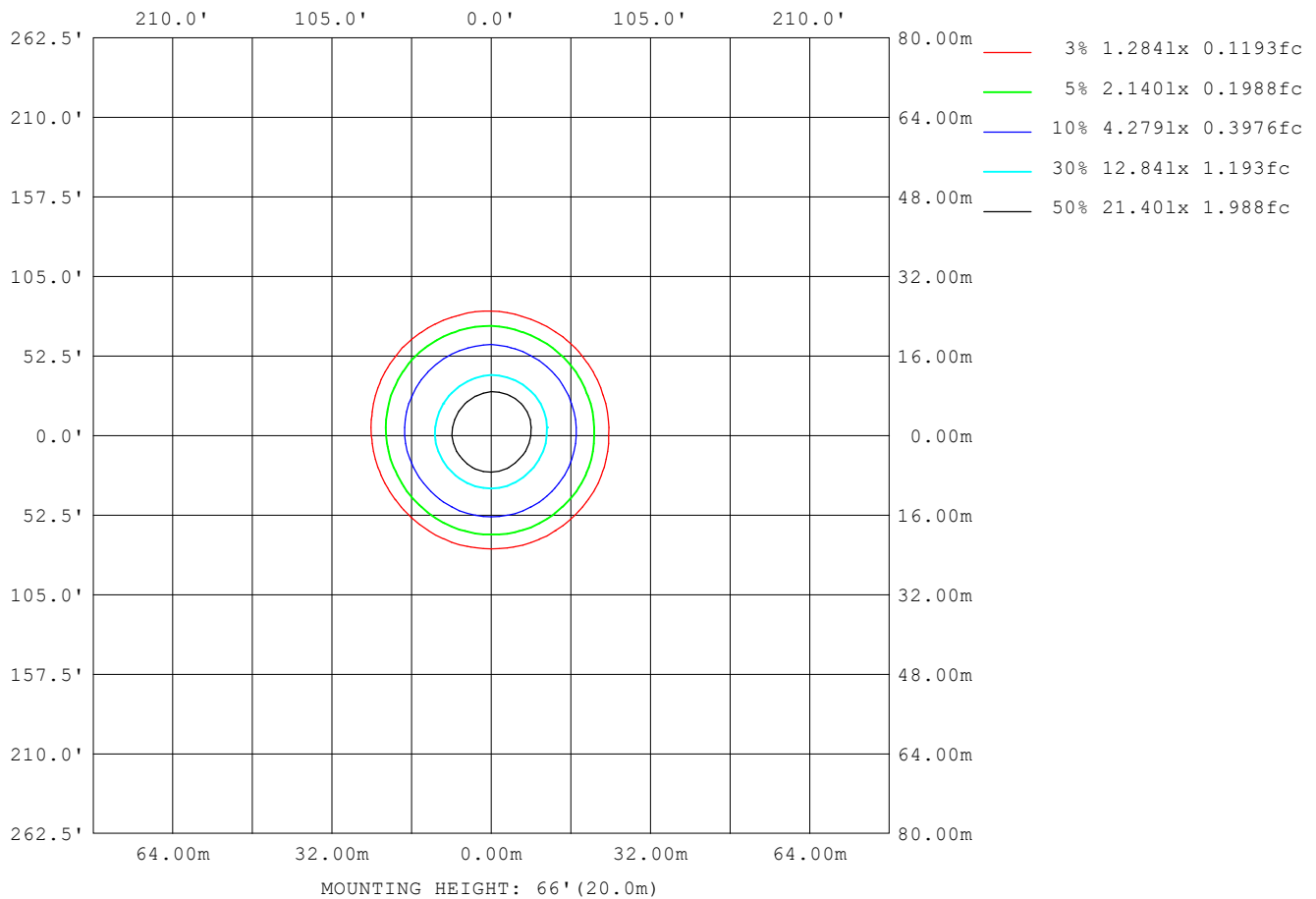
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

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:219.94V I:0.4686A P:100.01W PF:0.9704 Freq:60.04Hz Lamp Flux:17664.3x1 lm		
NAME: UF 100 PRO 30 50 7 060	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:219.94V I:0.4686A P:100.01W PF:0.9704 Freq:60.04Hz Lamp Flux:17664.3x1 lm		
NAME: UF 100 PRO 30 50 7 060	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:30*30	Shielding Angle:

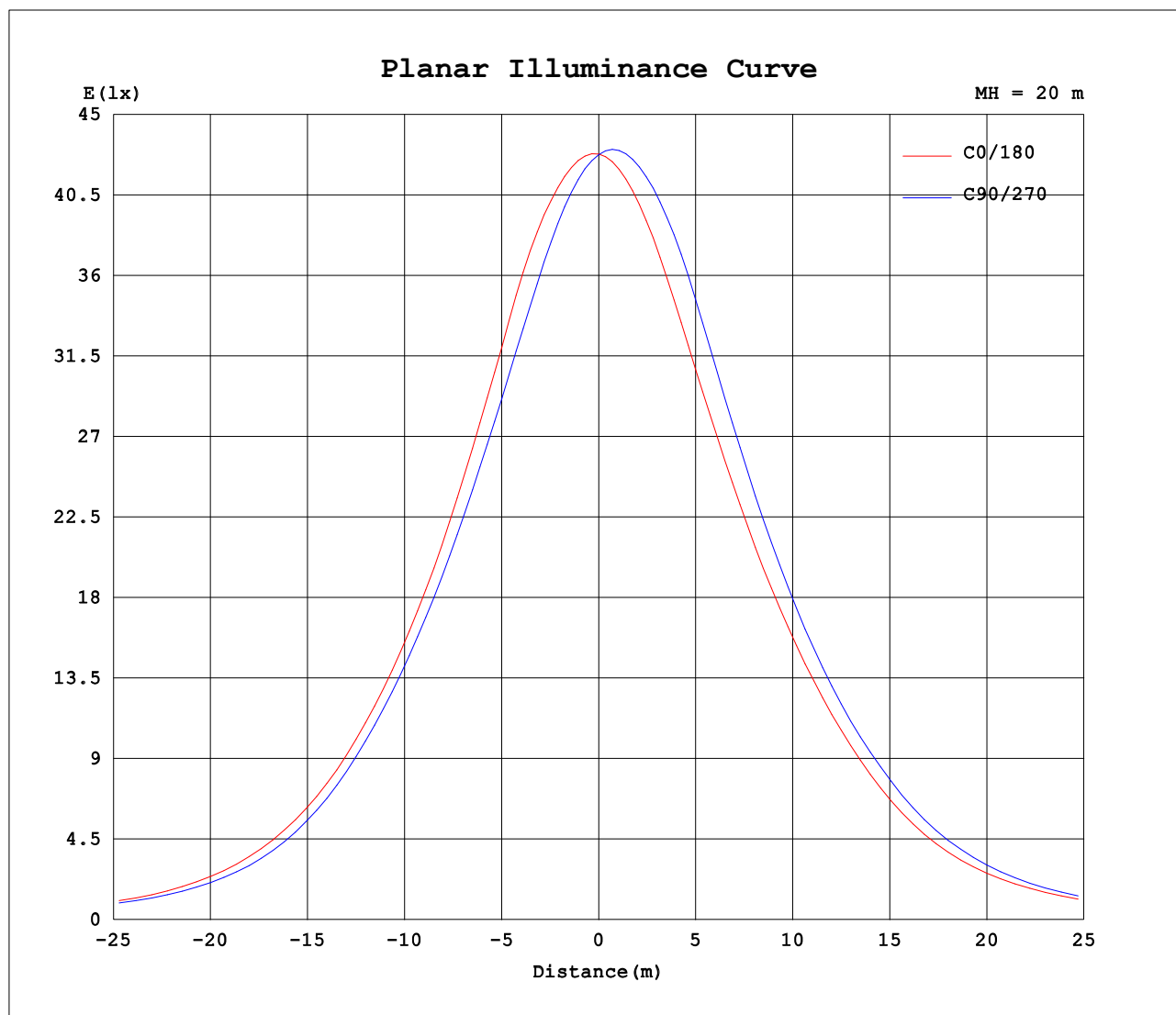
AvgL	cd/m2
L_0~180 (65) av	21459
L_0~180 (75) av	12871
L_0~180 (85) av	2412
L_90~270 (65) av	22006
L_90~270 (75) av	13162
L_90~270 (85) av	3359
L_45 (65) av	22084
L_45 (75) av	12786
L_45 (85) av	3979

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:

```