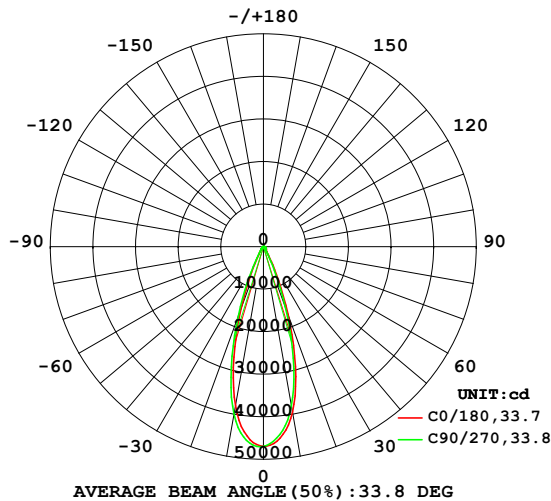


LUMINAIRE PHOTOMETRIC TEST REPORT

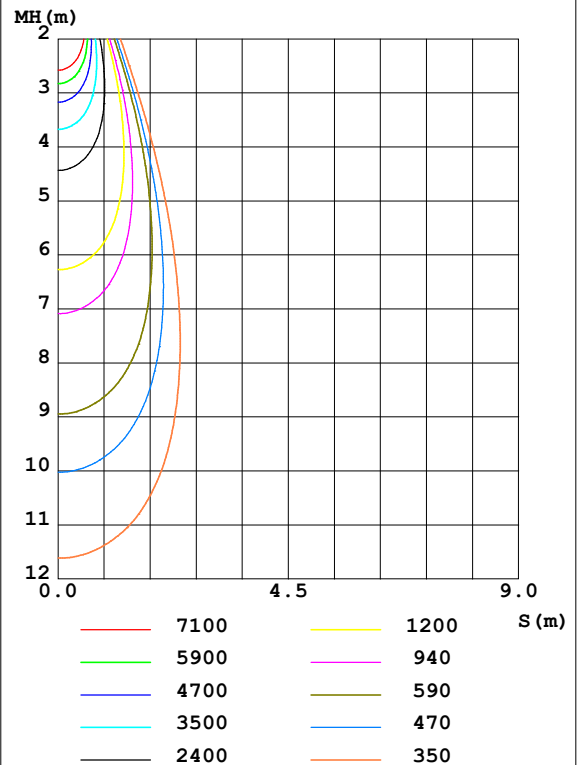
Test:U:219.99V I:0.4882A P:107.08W PF:0.9971 Freq:60.04Hz Lamp Flux:17463.1x1 lm		
NAME: UF 100 PRO CR 35 50 7 030	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 163.09 lm/W			
MODEL	UF 100 PRO CR 35 50 7 030	I _{max} (cd)	47059	S/MH (C0/180)	0.53
NOMINAL POWER (W)	107.08	LOR (%)	100.0	S/MH (C90/270)	0.55
RATED VOLTAGE (V)	220	TOTAL FLUX (lm)	17463	η UP, DN (C0-180)	0.0, 48.7
NOMINAL FLUX (lm)	17463.1	CIE CLASS	DIRECT	η UP, DN (C180-360)	0.0, 51.3
LAMPS INSIDE	1	η up (%)	0.0	CIBSE SHR NOM	0.50
TEST VOLTAGE (V)	220	η down (%)	100.0	CIBSE SHR MAX	0.55

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: 2025-08-11

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:

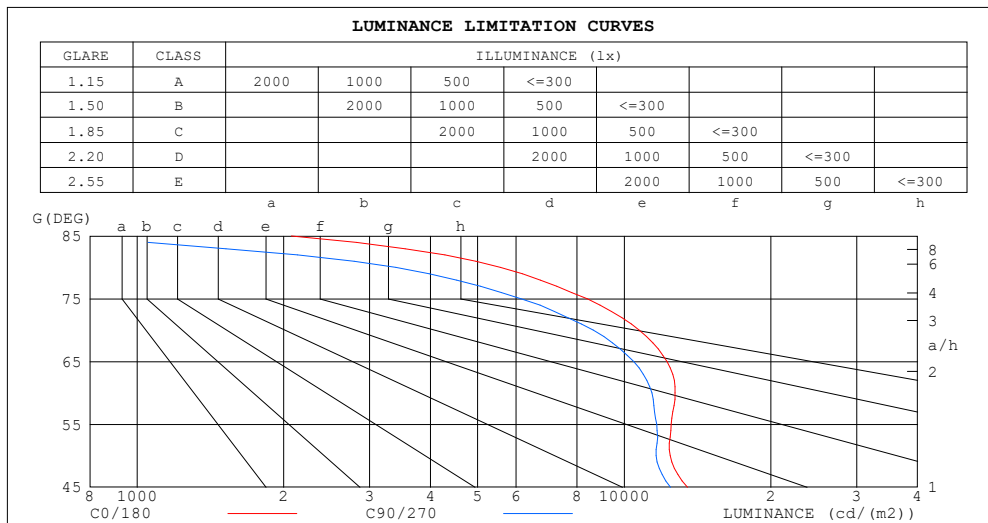
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum, lamp
10	3941	3848	3795	3746	3791	3854	3992	4069	0- 10	4101	4101	23.5,23.5
20	1699	1604	1507	1436	1524	1606	1735	1825	10- 20	7558	11659	66.8,66.8
30	279.2	257.5	237.4	230.2	254.3	280.1	306.7	314.5	20- 30	3454	15114	86.5,86.5
40	86.36	82.33	79.37	80.47	87.46	92.19	94.76	93.47	30- 40	909.6	16024	91.8,91.8
50	55.60	54.96	52.39	51.56	53.31	53.70	54.36	55.31	40- 50	517.0	16541	94.7,94.7
60	44.30	43.14	39.96	39.45	39.75	38.42	38.33	42.16	50- 60	419.7	16960	97.1,97.1
70	25.57	22.60	20.72	21.76	24.74	24.61	25.37	26.23	60- 70	324.8	17285	99,99
80	6.737	5.031	4.138	4.980	7.475	7.897	8.139	7.961	70- 80	155.3	17440	99.9,99.9
90	0.1826	0.1896	0.1766	0.1958	0.1853	0.1914	0.1811	0.1895	80- 90	22.79	17463	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:2025-08-11

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:219.99V I:0.4882A P:107.08W PF:0.9971 Freq:60.04Hz Lamp Flux:17463.1x1 lm		
NAME: UF 100 PRO CR 35 50 7 030°	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:	Shielding Angle:



LUMINANCE cd/(m2)		
G (DEG)	C0/180	C90/270
85	2073	675
80	5571	3399
75	8390	6134
70	10736	8640
65	12245	10463
60	12721	11400
55	12489	11657
50	12420	11625
45	13481	12452

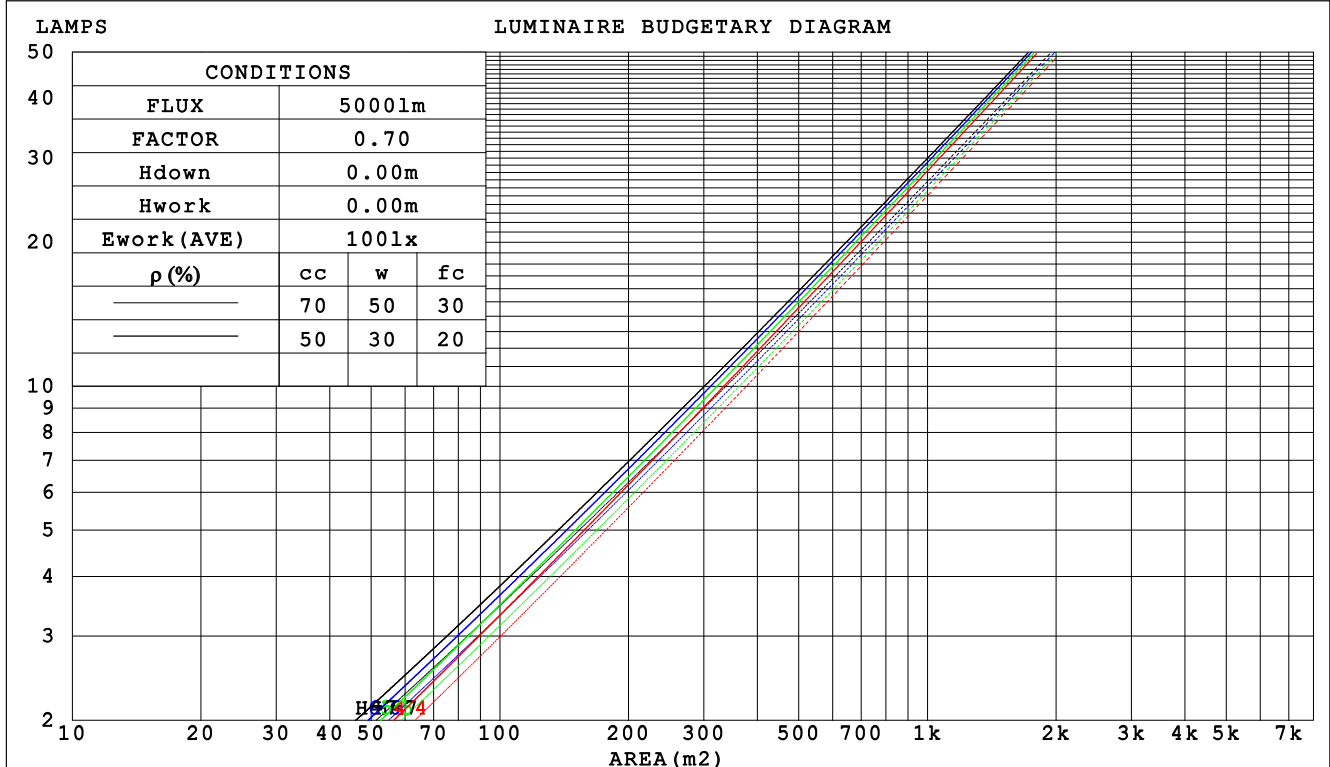
C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: DAMIN
Test Date: 2025-08-11

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:219.99V I:0.4882A P:107.08W PF:0.9971 Freq:60.04Hz Lamp Flux:17463.1x1 lm		
NAME: UF 100 PRO CR 35 50 7 030	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
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	1.19	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	.00
1.0	1.12	1.09	1.07	1.09	1.07	1.05	1.05	1.04	1.02	1.02	1.00	.99	.98	.97	.96	.95
2.0	1.05	1.01	.98	1.03	.90	.97	.90	.97	.95	.97	.95	.93	.94	.93	.91	.89
3.0	.99	.95	.91	.98	.94	.91	.95	.92	.89	.93	.90	.88	.91	.88	.86	.85
4.0	.94	.89	.86	.93	.89	.85	.91	.87	.84	.89	.86	.83	.87	.85	.82	.81
5.0	.90	.85	.81	.89	.84	.81	.87	.83	.80	.85	.82	.79	.84	.81	.79	.77
6.0	.86	.81	.77	.85	.80	.77	.84	.79	.76	.82	.79	.76	.81	.78	.75	.74
7.0	.82	.77	.74	.82	.77	.73	.80	.76	.73	.79	.75	.73	.78	.75	.72	.71
8.0	.79	.74	.71	.78	.74	.70	.77	.73	.70	.76	.73	.70	.76	.72	.70	.68
9.0	.76	.71	.68	.76	.71	.68	.75	.70	.67	.74	.70	.67	.73	.70	.67	.66
10.0	.73	.68	.65	.73	.68	.65	.72	.68	.65	.71	.68	.65	.71	.67	.65	.64



C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:2025-08-11

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:

WEC AND CCEC

Test:U:219.99V I:0.4882A P:107.08W PF:0.9971 Freq:60.04Hz Lamp Flux:17463.1x1 lm					
NAME: UF 100 PRO CR 35 50 7 030			TYPE:		WEIGHT:
SPEC.:			DIM.:		SERIAL No.:
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	.164	.093	.029	.157	.089	.028	.144	.083	.026	.133	.077	.025	.122	.071	.023		
2.0	.153	.084	.026	.148	.081	.025	.137	.076	.024	.128	.072	.022	.119	.067	.021		
3.0	.143	.076	.023	.139	.074	.022	.130	.070	.021	.122	.067	.020	.114	.063	.020		
4.0	.134	.070	.021	.130	.068	.020	.123	.065	.019	.116	.062	.019	.109	.059	.018		
5.0	.126	.064	.019	.123	.063	.018	.117	.061	.018	.111	.058	.017	.105	.056	.017		
6.0	.119	.060	.017	.116	.059	.017	.111	.057	.017	.106	.055	.016	.101	.053	.016		
7.0	.113	.056	.016	.111	.055	.016	.106	.053	.015	.101	.052	.015	.097	.050	.015		
8.0	.108	.053	.015	.105	.052	.015	.101	.050	.014	.097	.049	.014	.093	.048	.014		
9.0	.103	.050	.014	.101	.049	.014	.097	.048	.014	.093	.047	.013	.090	.046	.013		
10.0	.098	.047	.013	.096	.047	.013	.093	.045	.013	.090	.044	.013	.087	.044	.012		

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	.170	.157	.146	.146	.135	.126	.100	.093	.087	.057	.054	.051	.018	.017	.016		
2.0	.154	.133	.115	.132	.114	.099	.090	.079	.069	.052	.046	.041	.017	.015	.013		
3.0	.140	.113	.092	.120	.098	.080	.082	.068	.056	.048	.040	.033	.015	.013	.011		
4.0	.129	.098	.075	.110	.085	.066	.076	.059	.046	.044	.035	.027	.014	.011	.009		
5.0	.119	.086	.063	.102	.075	.054	.070	.052	.038	.041	.031	.023	.013	.010	.008		
6.0	.110	.077	.053	.095	.066	.046	.065	.047	.032	.038	.027	.019	.012	.009	.006		
7.0	.103	.069	.045	.089	.060	.039	.061	.042	.028	.036	.025	.016	.012	.008	.005		
8.0	.097	.062	.039	.083	.054	.034	.058	.038	.024	.034	.022	.014	.011	.007	.005		
9.0	.091	.057	.034	.079	.049	.029	.054	.035	.021	.032	.020	.012	.010	.007	.004		
10.0	.086	.052	.030	.074	.045	.026	.052	.032	.018	.030	.019	.011	.010	.006	.004		

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:2025-08-11

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:219.99V I:0.4882A P:107.08W PF:0.9971 Freq:60.04Hz Lamp Flux:17463.1x1 lm										
NAME: UF 100 PRO CR 35 50 7 030					TYPE:			WEIGHT:		
SPEC.:					DIM.:			SERIAL No.:		
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	6.0	6.8	6.2	6.9	7.1	5.5	6.3	5.7	6.4	6.6
3H	7.3	8.1	7.6	8.2	8.4	6.6	7.4	6.9	7.6	7.7
4H	7.7	8.4	8.0	8.6	8.8	6.9	7.6	7.2	7.8	8.0
6H	7.9	8.5	8.2	8.8	9.0	7.0	7.6	7.2	7.9	8.1
8H	7.9	8.5	8.2	8.8	9.0	6.9	7.6	7.2	7.8	8.1
12H	7.8	8.5	8.2	8.7	9.0	6.9	7.5	7.2	7.8	8.0
4H 2H	6.5	7.2	6.8	7.4	7.7	6.1	6.8	6.4	7.1	7.3
3H	8.0	8.6	8.3	8.9	9.1	7.4	8.0	7.7	8.3	8.5
4H	8.4	9.0	8.8	9.3	9.6	7.7	8.3	8.0	8.6	8.9
6H	8.6	9.1	9.0	9.5	9.8	7.8	8.3	8.2	8.6	9.0
8H	8.6	9.1	9.0	9.5	9.8	7.8	8.2	8.2	8.6	8.9
12H	8.6	9.0	9.0	9.4	9.8	7.7	8.1	8.1	8.5	8.9
8H 4H	8.5	9.0	8.9	9.3	9.7	7.8	8.3	8.2	8.6	9.0
6H	8.7	9.1	9.2	9.5	9.9	7.9	8.3	8.4	8.7	9.1
8H	8.8	9.1	9.2	9.5	10.0	7.9	8.2	8.4	8.7	9.1
12H	8.7	9.0	9.2	9.5	9.9	7.9	8.1	8.3	8.6	9.1
12H 4H	8.4	8.9	8.9	9.2	9.6	7.8	8.2	8.2	8.6	9.0
6H	8.7	9.0	9.1	9.5	9.9	7.9	8.2	8.3	8.7	9.1
8H	8.7	9.0	9.2	9.5	9.9	7.9	8.2	8.3	8.6	9.1
Variations with the observer position at spacings:										
S = 1.0H	+ 0.2 / - 0.4					+ 0.3 / - 0.4				
1.5H	+ 0.2 / - 0.3					+ 0.2 / - 0.3				
2.0H	+ 0.2 / - 0.4					+ 0.3 / - 0.4				

CIE Pub.117, 17463 lm Total Lamp Luminous Flux Correct (8log(F/F0) = 9.9)
Area: 0.07 m2

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:2025-08-11

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:219.99V I:0.4882A P:107.08W PF:0.9971 Freq:60.04Hz Lamp Flux:17463.1x1 lm		
NAME: UF 100 PRO CR 35 50 7 030	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:	Shielding Angle:

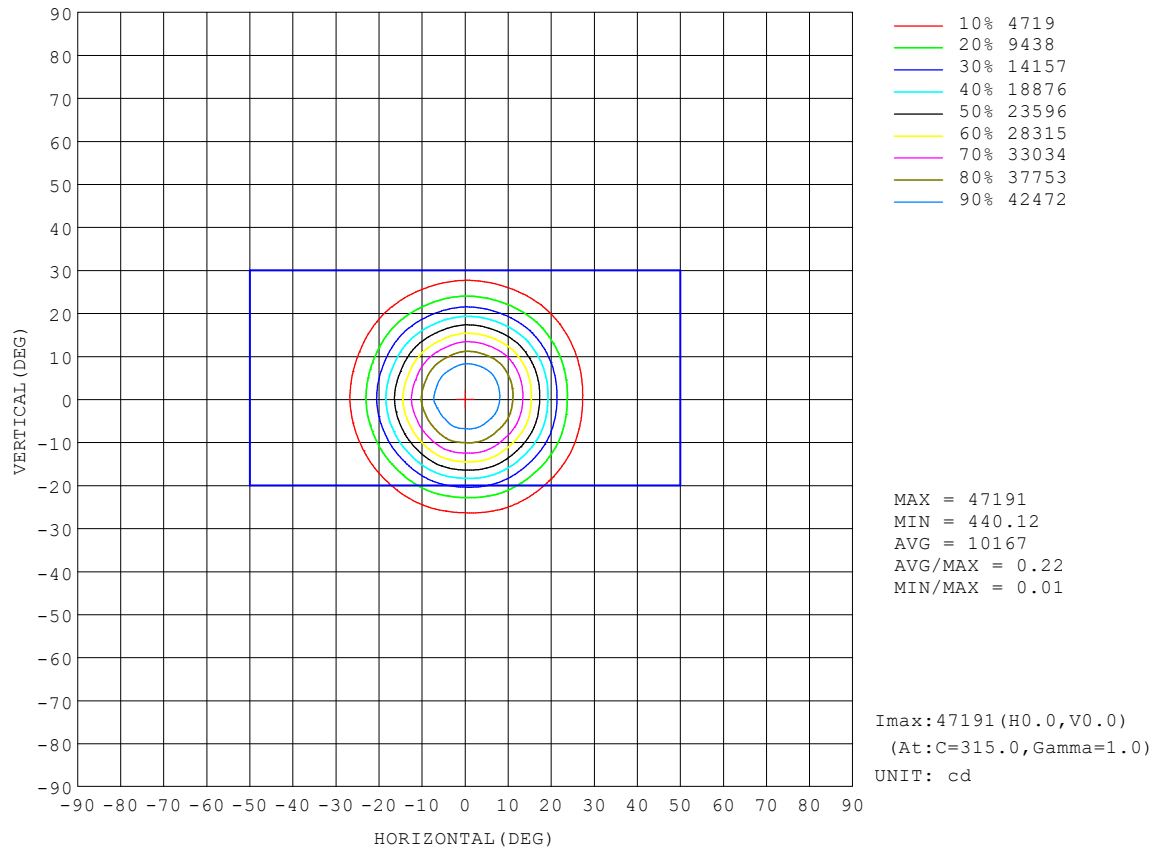
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS (PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	87	80	76	86	80	76	85	79	76	72
0.80	94	88	84	93	87	84	92	87	83	80
1.00	98	92	89	97	92	88	96	92	88	84
1.25	102	97	93	101	96	93	99	95	92	88
1.50	105	100	97	104	99	96	102	98	95	90
2.00	108	103	100	106	102	99	104	100	98	93
2.50	110	106	103	108	104	102	105	102	100	94
3.00	111	108	105	109	106	104	106	104	102	95
4.00	113	111	108	111	109	107	108	106	104	97
5.00	115	112	111	113	111	109	109	107	106	98
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: 2025-08-11

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:219.99V I:0.4882A P:107.08W PF:0.9971 Freq:60.04Hz Lamp Flux:17463.1x1 lm		
NAME: UF 100 PRO CR 35 50 7 030	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:	Shielding Angle:

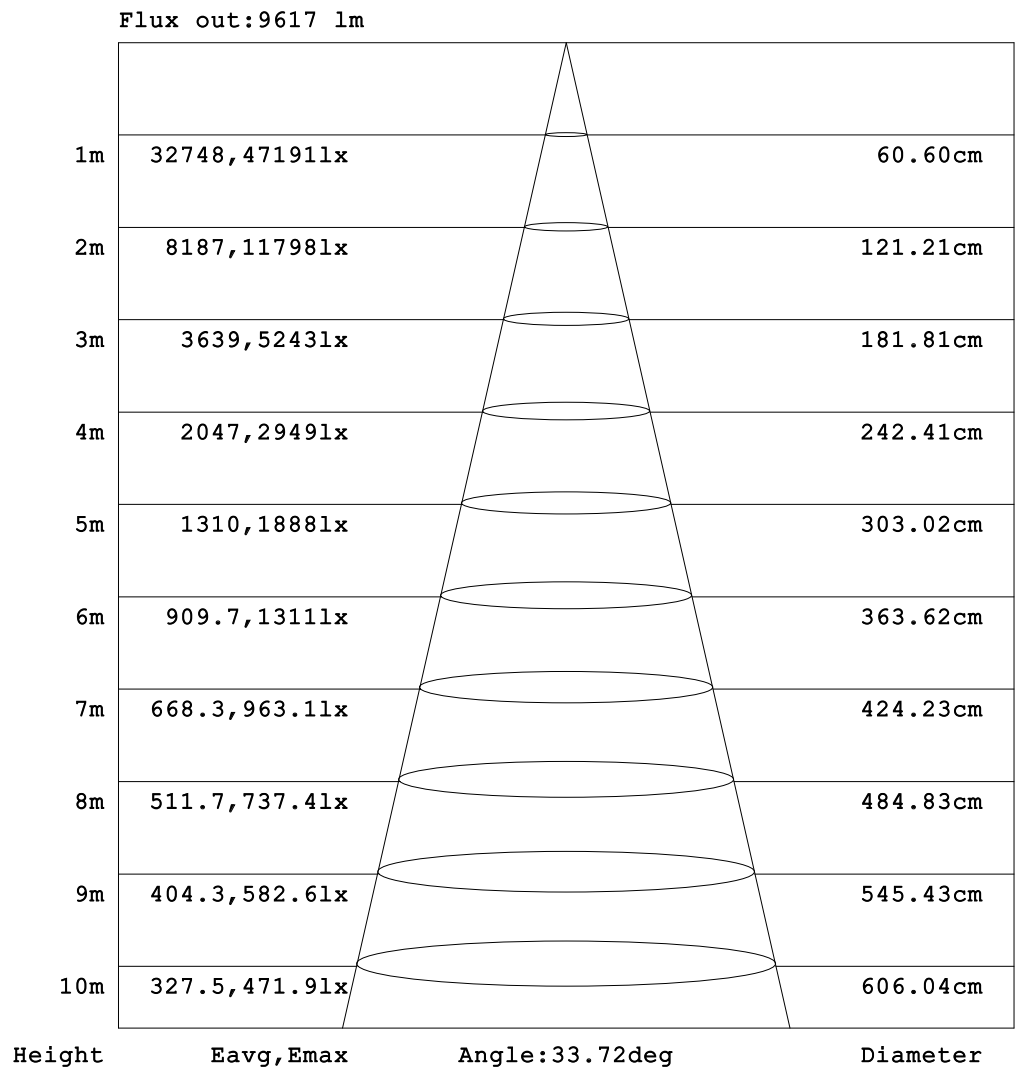


C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:2025-08-11

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:

AAI Figure

Test:U:219.99V I:0.4882A P:107.08W PF:0.9971 Freq:60.04Hz Lamp Flux:17463.1x1 lm		
NAME: UF 100 PRO CR 35 50 7 030	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:	Shielding Angle:



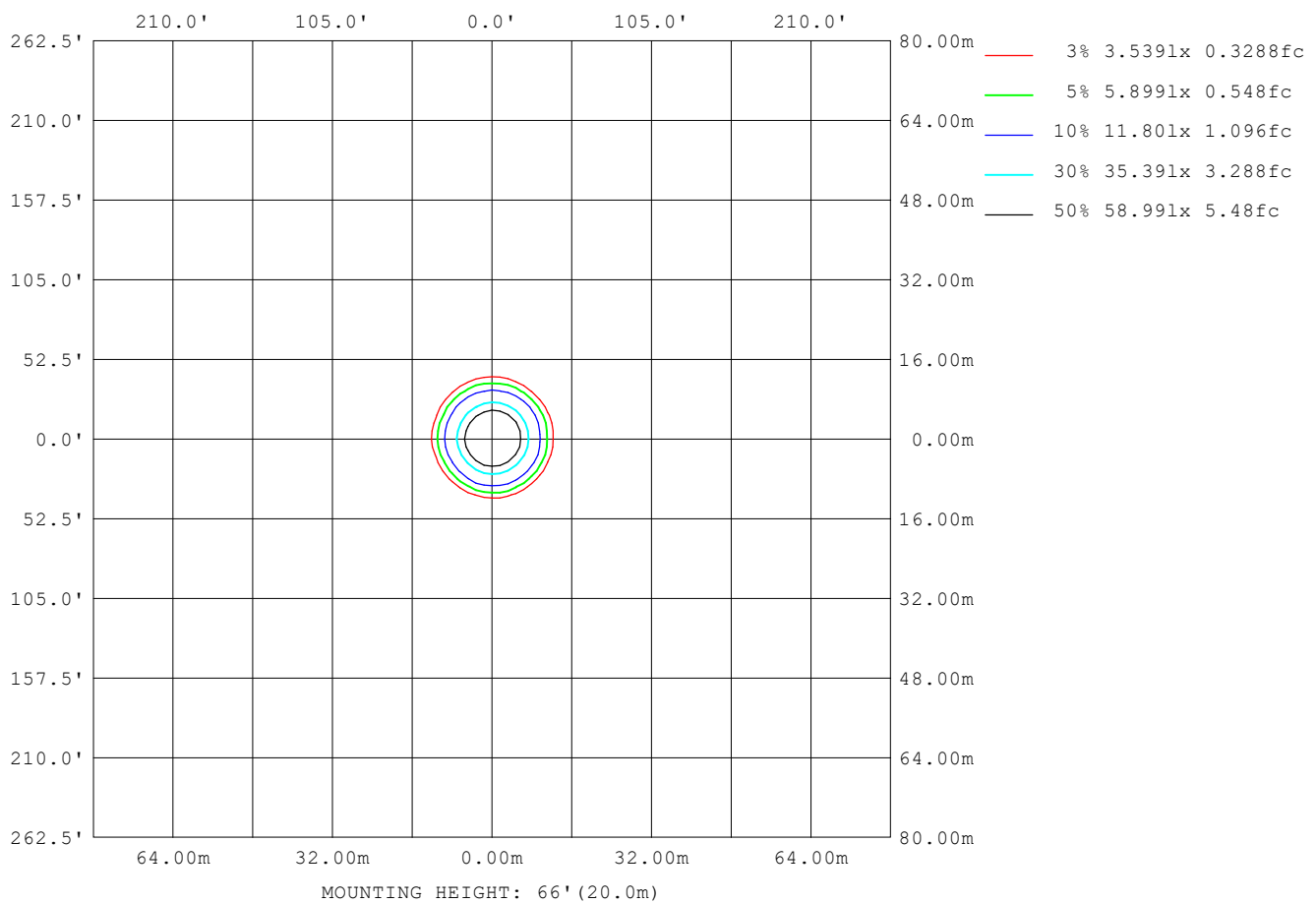
Note: The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: DAMIN
Test Date: 2025-08-11

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:219.99V I:0.4882A P:107.08W PF:0.9971 Freq:60.04Hz Lamp Flux:17463.1x1 lm		
NAME: UF 100 PRO CR 35 50 7 030	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:	Shielding Angle:



C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:2025-08-11

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:

LED Avg.L Report

Test:U:219.99V I:0.4882A P:107.08W PF:0.9971 Freq:60.04Hz Lamp Flux:17463.1x1 lm		
NAME: UF 100 PRO CR 35 50 7 030	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:	Shielding Angle:

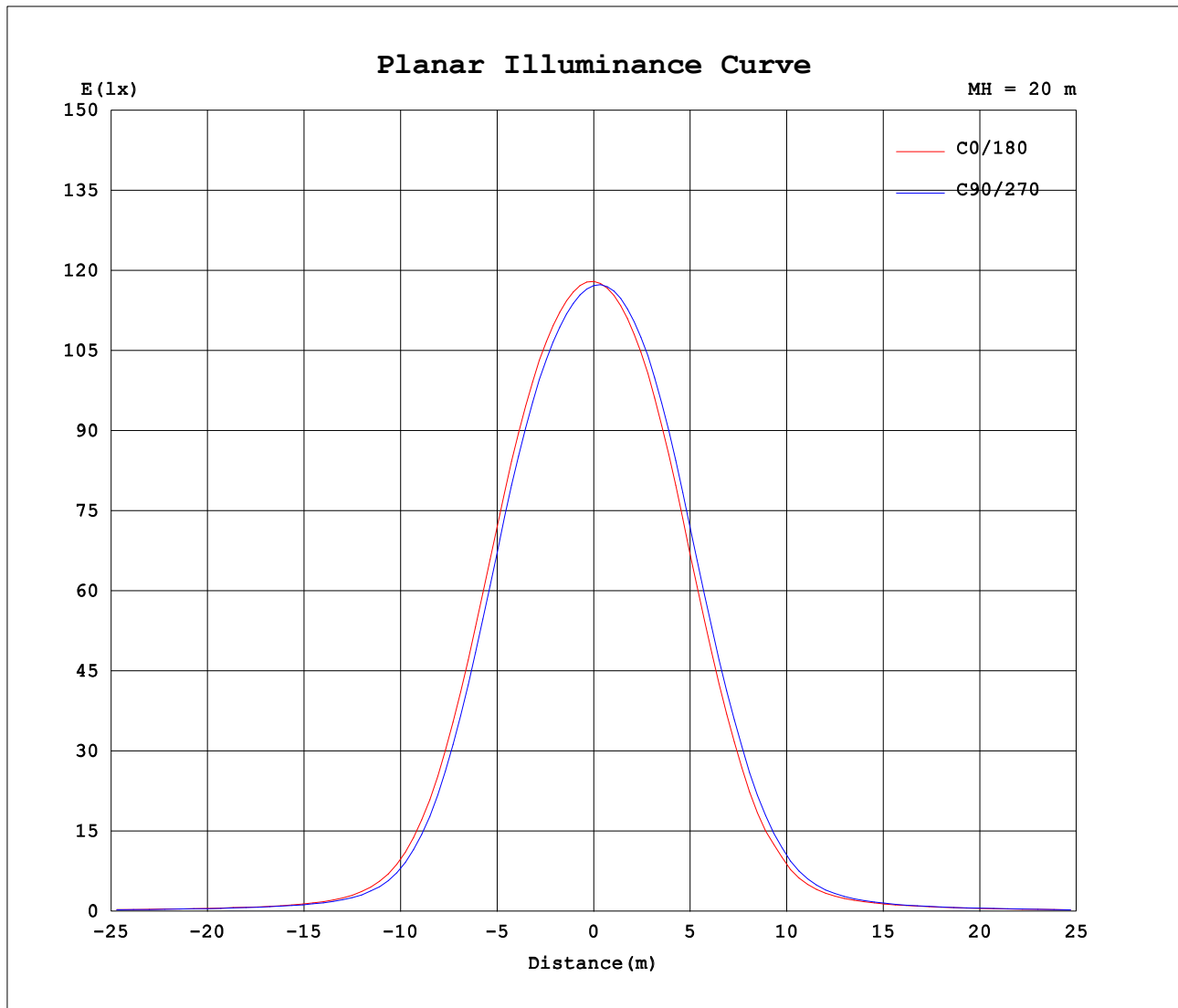
AvgL	cd/m2
L_0~180 (65) av	11679
L_0~180 (75) av	8454
L_0~180 (85) av	2434
L_90~270 (65) av	10773
L_90~270 (75) av	7640
L_90~270 (85) av	2060
L_45 (65) av	11234
L_45 (75) av	7884
L_45 (85) av	2380

Standard: GB/T 29293-2012

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:2025-08-11

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: 2025-08-11

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:

```