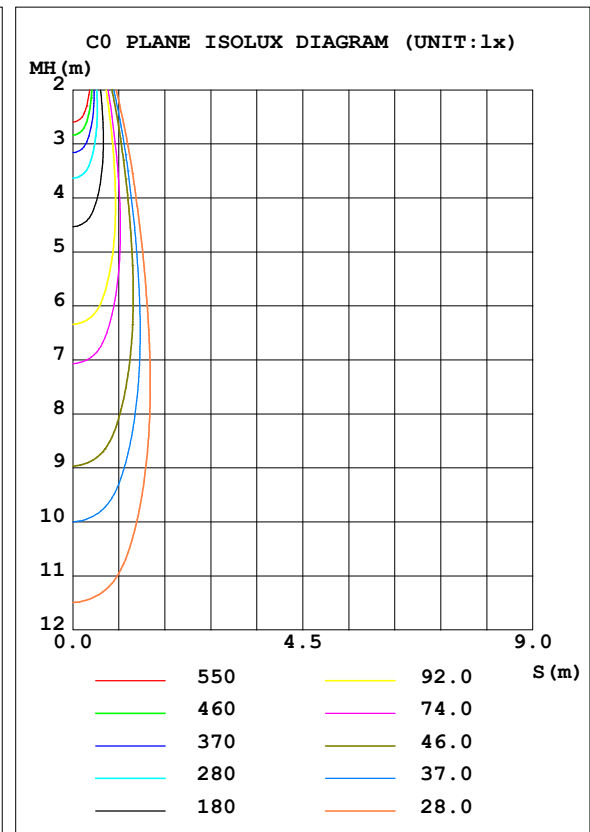
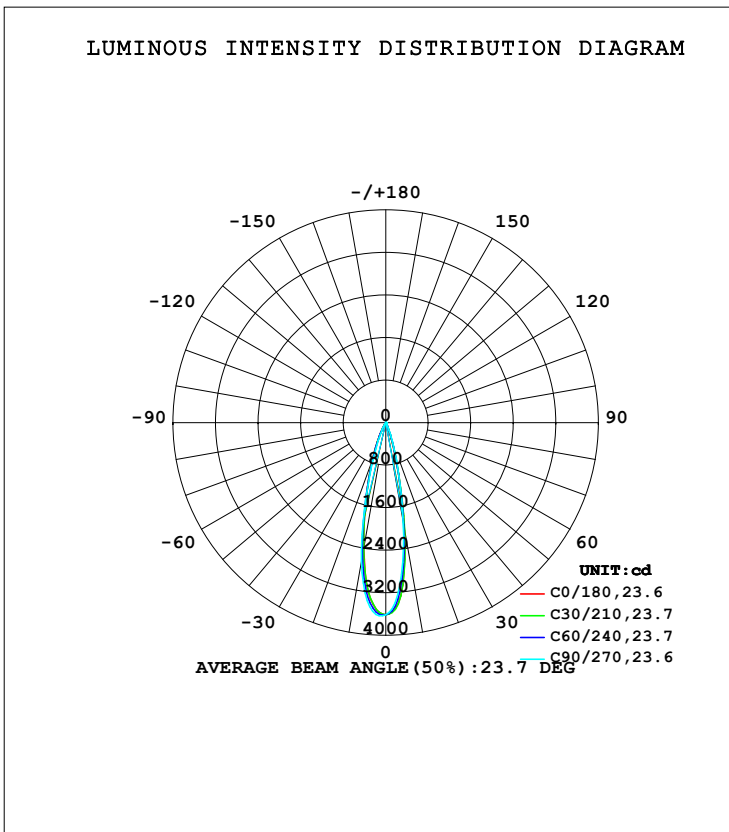


LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:219.87V I:0.0950A P:12.750W PF:0.6102 Freq:49.99Hz Lamp Flux:721.881x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 56.62 lm/W			
MODEL		I _{max} (cd)	3689	S/MH (C0/180)	0.44
NOMINAL POWER (W)		LOR (%)	100.0	S/MH (C90/270)	0.44
RATED VOLTAGE (V)	220	TOTAL FLUX (lm)	721.88	η UP, DN (C0-180)	0.0, 40.5
NOMINAL FLUX (lm)	721.881	CIE CLASS	DIRECT	η UP, DN (C180-360)	0.0, 59.5
LAMPS INSIDE	1	η up (%)	0.0	CIBSE SHR NOM	0.00
TEST VOLTAGE (V)	220	η down (%)	100.0	CIBSE SHR MAX	1.00



C Range: 0 - 360DEG
 C Interval: 30.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators: GS
 Test Date: 2025-07-19

γ Range: 0 - 90DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-2000B_V1 SYSTEM V2.00.417
 Humidity: 65.0%
 Test Distance: 5.600m [K=1.0000]
 Remarks:

ZONAL FLUX DIAGRAM

ZONAL FLUX DIAGRAM:

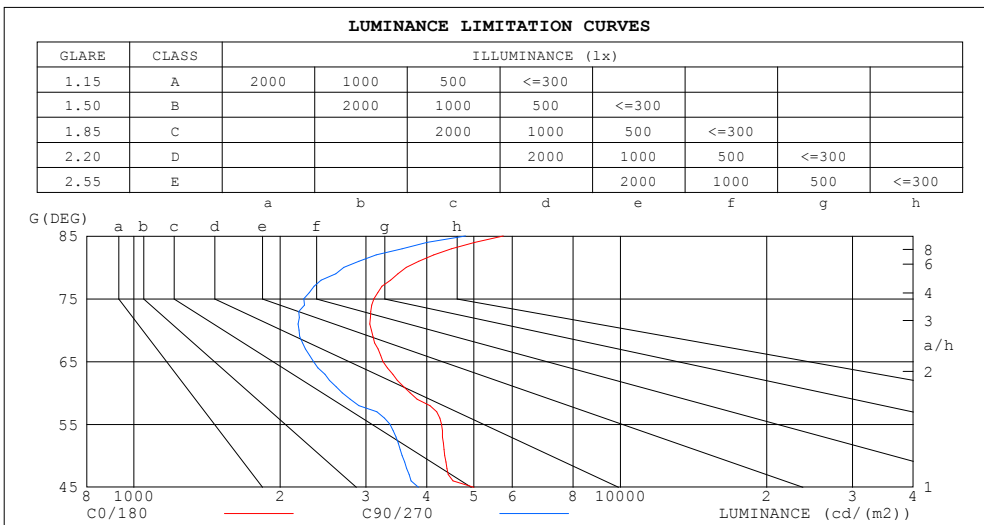
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum,lamp
10	2028	2003	1900	1811	2400	2488	2640	2839	0- 10	279.9	279.9	38.8,38.8
20	271.8	305.4	363.8	420.8	741.5	718.3	630.6	552.4	10- 20	323.0	602.9	83.5,83.5
30	31.24	34.36	41.54	53.21	123.2	108.4	82.51	60.89	20- 30	97.85	700.8	97.1,97.1
40	3.925	3.694	3.234	3.121	5.179	6.231	8.108	8.029	30- 40	16.02	716.8	99.3,99.3
50	1.931	1.820	1.625	1.520	1.587	1.655	1.818	1.997	40- 50	2.115	718.9	99.6,99.6
60	1.275	1.154	0.9527	0.8555	1.033	1.087	1.273	1.471	50- 60	1.318	720.2	99.8,99.8
70	0.7267	0.6523	0.5306	0.4786	0.5099	0.5551	0.6534	0.7665	60- 70	0.8251	721.1	99.9,99.9
80	0.4349	0.3993	0.3334	0.3162	0.2699	0.3090	0.3642	0.4164	70- 80	0.4950	721.6	100,100
90	0.3132	0.3131	0.3196	0.3091	0.1998	0.2051	0.2223	0.2343	80- 90	0.3232	721.9	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: 30.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:GS
 Test Date:2025-07-19

γ Range: 0 - 90DEG
 γ Interval: 1.0DEG
 γ Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.417
 Humidity:65.0%
 Test Distance:5.600m [K=1.0000]
 Remarks:

LUMINANCE LIMITATION CURVES

Test:U:219.87V I:0.0950A P:12.750W PF:0.6102 Freq:49.99Hz Lamp Flux:721.881x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:	Shielding Angle:



LUMINANCE cd/(m2)		
G (DEG)	C0/180	C90/270
85	5751	4805
80	3631	2704
75	3117	2237
70	3080	2185
65	3253	2342
60	3697	2683
55	4293	3363
50	4355	3561
45	4997	3845

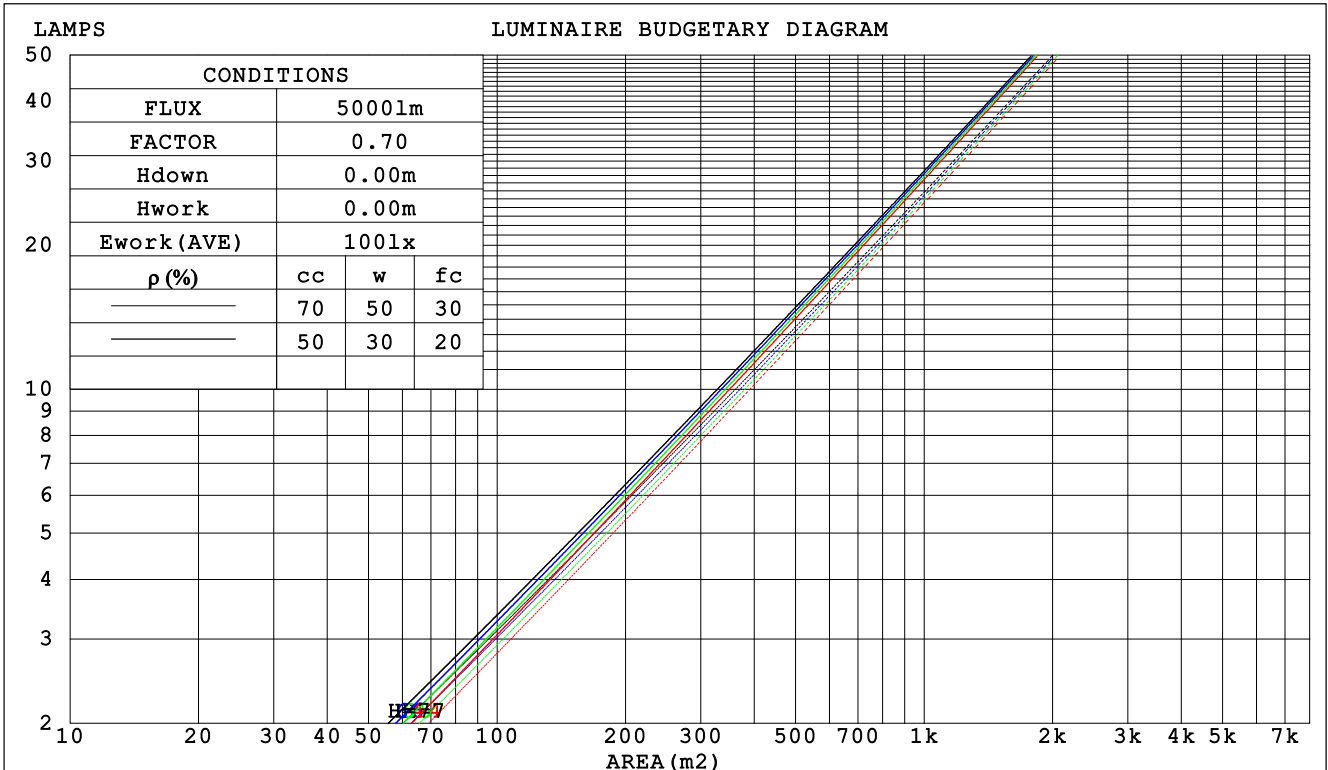
C Range: 0 - 360DEG
 C Interval: 30.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:GS
 Test Date:2025-07-19

γ Range: 0 - 90DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.417
 Humidity:65.0%
 Test Distance:5.600m [K=1.0000]
 Remarks:

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:219.87V I:0.0950A P:12.750W PF:0.6102 Freq:49.99Hz Lamp Flux:721.881x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
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						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	1.00
1.0	1.13	1.11	1.10	1.11	1.09	1.08	1.07	1.06	1.05	1.03	1.02	1.01	.00	.99	.99	.97
2.0	1.08	1.05	1.03	1.06	1.04	1.02	1.03	1.01	.99	1.00	.99	.97	.98	.97	.95	.94
3.0	1.04	1.00	.98	1.02	.99	.97	1.00	.97	.95	.98	.96	.94	.96	.94	.92	.91
4.0	.00	.96	.93	.99	.95	.93	.97	.94	.92	.95	.93	.91	.93	.91	.90	.89
5.0	.97	.93	.90	.96	.92	.89	.94	.91	.89	.93	.90	.88	.91	.89	.87	.86
6.0	.94	.90	.87	.93	.89	.86	.92	.88	.86	.90	.88	.85	.89	.87	.85	.84
7.0	.91	.87	.84	.90	.86	.84	.89	.86	.83	.88	.85	.83	.87	.85	.83	.82
8.0	.88	.84	.82	.88	.84	.81	.87	.83	.81	.86	.83	.81	.85	.83	.81	.80
9.0	.86	.82	.79	.85	.82	.79	.85	.81	.79	.84	.81	.79	.83	.81	.79	.78
10.0	.84	.80	.77	.83	.80	.77	.83	.79	.77	.82	.79	.77	.81	.79	.77	.76



C Range: 0 - 360DEG
 C Interval: 30.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:GS
 Test Date:2025-07-19

γ Range: 0 - 90DEG
 γ Interval: 1.0DEG
 γ Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.417
 Humidity:65.0%
 Test Distance:5.600m [K=1.0000]
 Remarks:

WEC AND CCEC

Test:U:219.87V I:0.0950A P:12.750W PF:0.6102 Freq:49.99Hz Lamp Flux:721.881x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
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	.133	.076	.024	.126	.072	.023	.114	.065	.021	.103	.059	.019	.092	.053	.017	
2.0	.122	.067	.021	.117	.064	.020	.107	.059	.018	.097	.055	.017	.089	.050	.016	
3.0	.114	.060	.018	.109	.058	.018	.101	.055	.017	.093	.051	.016	.086	.047	.015	
4.0	.106	.055	.016	.102	.054	.016	.095	.051	.015	.089	.048	.014	.083	.045	.014	
5.0	.100	.051	.015	.097	.050	.014	.091	.047	.014	.085	.045	.013	.080	.043	.013	
6.0	.094	.047	.014	.092	.046	.013	.086	.044	.013	.082	.042	.012	.077	.041	.012	
7.0	.089	.044	.013	.087	.043	.012	.083	.042	.012	.078	.040	.012	.074	.039	.011	
8.0	.085	.042	.012	.083	.041	.012	.079	.040	.011	.076	.038	.011	.072	.037	.011	
9.0	.081	.039	.011	.080	.039	.011	.076	.038	.011	.073	.037	.010	.070	.035	.010	
10.0	.078	.037	.010	.076	.037	.010	.073	.036	.010	.070	.035	.010	.068	.034	.010	

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	.190	.190	.190	.163	.163	.163	.111	.111	.111	.064	.064	.064	.020	.020	.020	
1.0	.168	.158	.148	.144	.135	.128	.098	.093	.088	.057	.054	.051	.018	.017	.017	
2.0	.150	.133	.119	.128	.114	.102	.088	.079	.071	.051	.046	.042	.016	.015	.014	
3.0	.134	.113	.096	.115	.098	.084	.079	.068	.059	.046	.040	.035	.015	.013	.011	
4.0	.122	.098	.080	.104	.085	.069	.072	.059	.049	.042	.034	.029	.013	.011	.009	
5.0	.111	.085	.067	.095	.074	.058	.066	.052	.041	.038	.030	.024	.012	.010	.008	
6.0	.102	.075	.056	.088	.065	.049	.060	.046	.035	.035	.027	.021	.011	.009	.007	
7.0	.094	.067	.048	.081	.058	.042	.056	.041	.030	.033	.024	.018	.011	.008	.006	
8.0	.088	.060	.042	.075	.052	.036	.052	.037	.026	.030	.022	.015	.010	.007	.005	
9.0	.082	.055	.036	.070	.047	.032	.049	.033	.022	.028	.020	.013	.009	.006	.004	
10.0	.077	.050	.032	.066	.043	.028	.046	.030	.020	.027	.018	.012	.009	.006	.004	

C Range: 0 - 360DEG
 C Interval: 30.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:GS
 Test Date:2025-07-19

γ Range: 0 - 90DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.417
 Humidity:65.0%
 Test Distance:5.600m [K=1.0000]
 Remarks:

UGR(Unified Glare Rating) Table

Test:U:219.87V I:0.0950A P:12.750W PF:0.6102 Freq:49.99Hz Lamp Flux:721.881x1 lm										
NAME:			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	6.9	7.5	7.1	7.6	7.8	7.1	7.7	7.3	7.9	8.0
3H	7.3	7.9	7.5	8.1	8.3	7.3	7.9	7.5	8.1	8.3
4H	7.6	8.1	7.8	8.3	8.6	7.4	8.0	7.7	8.2	8.4
6H	7.9	8.4	8.2	8.7	8.9	7.6	8.2	7.9	8.4	8.6
8H	8.1	8.6	8.4	8.9	9.1	7.8	8.3	8.1	8.5	8.8
12H	8.4	8.9	8.7	9.1	9.4	8.0	8.4	8.3	8.7	9.0
4H 2H	6.9	7.5	7.2	7.7	7.9	7.1	7.7	7.4	7.9	8.1
3H	7.5	8.0	7.8	8.3	8.5	7.5	8.0	7.8	8.2	8.5
4H	7.9	8.4	8.3	8.7	9.0	7.7	8.2	8.1	8.5	8.8
6H	8.4	8.8	8.8	9.1	9.5	8.1	8.5	8.4	8.8	9.1
8H	8.7	9.1	9.1	9.4	9.8	8.3	8.7	8.7	9.0	9.4
12H	9.1	9.5	9.5	9.8	10.2	8.6	8.9	9.0	9.3	9.7
8H 4H	8.0	8.4	8.4	8.7	9.1	7.8	8.2	8.2	8.6	8.9
6H	8.7	9.0	9.1	9.4	9.8	8.3	8.7	8.8	9.0	9.4
8H	9.1	9.4	9.5	9.8	10.2	8.7	9.0	9.1	9.4	9.8
12H	9.7	9.9	10.1	10.3	10.8	9.2	9.4	9.7	9.9	10.4
12H 4H	8.0	8.3	8.4	8.7	9.1	7.8	8.2	8.2	8.5	8.9
6H	8.7	9.0	9.2	9.4	9.8	8.4	8.7	8.9	9.1	9.5
8H	9.2	9.5	9.7	9.9	10.4	8.9	9.1	9.3	9.5	10.0
Variations with the observer position at spacings:										
S = 1.0H	+ 1.0 / - 0.5					+ 1.0 / - 0.6				
1.5H	+ 2.0 / - 0.6					+ 1.9 / - 0.6				
2.0H	+ 0.3 / - 0.3					+ 0.3 / - 0.5				

CIE Pub.117, 721.9 lm Total Lamp Luminous Flux Correct (8log(F/F0) = -1.1)
 Area: 0.0007065 m2

C Range: 0 - 360DEG
 C Interval: 30.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:GS
 Test Date:2025-07-19

γ Range: 0 - 90DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.417
 Humidity:65.0%
 Test Distance:5.600m [K=1.0000]
 Remarks:

UTILIZATION FACTORS TABLE

Test:U:219.87V I:0.0950A P:12.750W PF:0.6102 Freq:49.99Hz Lamp Flux:721.881x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:	Shielding Angle:

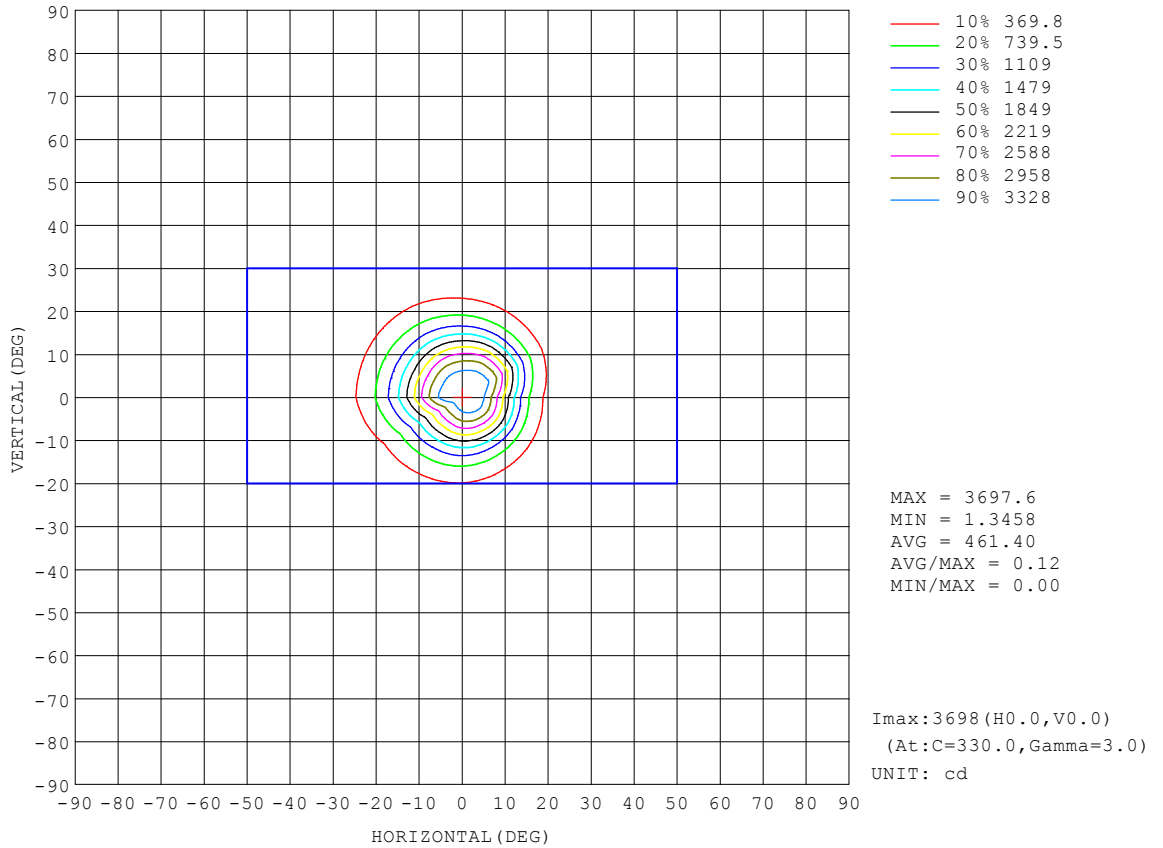
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS (PERCENT) $k(RI) \times RCR = 5$									
k = 0.60	91	85	82	91	85	82	90	85	82	79
0.80	98	93	90	97	93	89	96	92	89	86
1.00	102	97	94	101	96	93	99	96	93	89
1.25	105	101	98	104	100	97	102	99	96	93
1.50	108	103	101	107	103	100	104	101	99	95
2.00	110	106	103	108	105	102	106	103	101	96
2.50	111	108	105	110	107	104	107	104	102	97
3.00	113	110	107	111	108	106	108	106	104	98
4.00	115	112	110	113	110	109	109	107	106	99
5.00	116	114	112	114	112	111	110	109	107	100
ROOM INDEX	UF(total)									Direct
According to DIN EN 13032-2 2004			Suspended				SHRNOM = 1.25			

C Range: 0 - 360DEG
 C Interval: 30.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:GS
 Test Date:2025-07-19

γ Range: 0 - 90DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.417
 Humidity:65.0%
 Test Distance:5.600m [K=1.0000]
 Remarks:

ISOCANDELA DIAGRAM

Test:U:219.87V I:0.0950A P:12.750W PF:0.6102 Freq:49.99Hz Lamp Flux:721.881x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:	Shielding Angle:

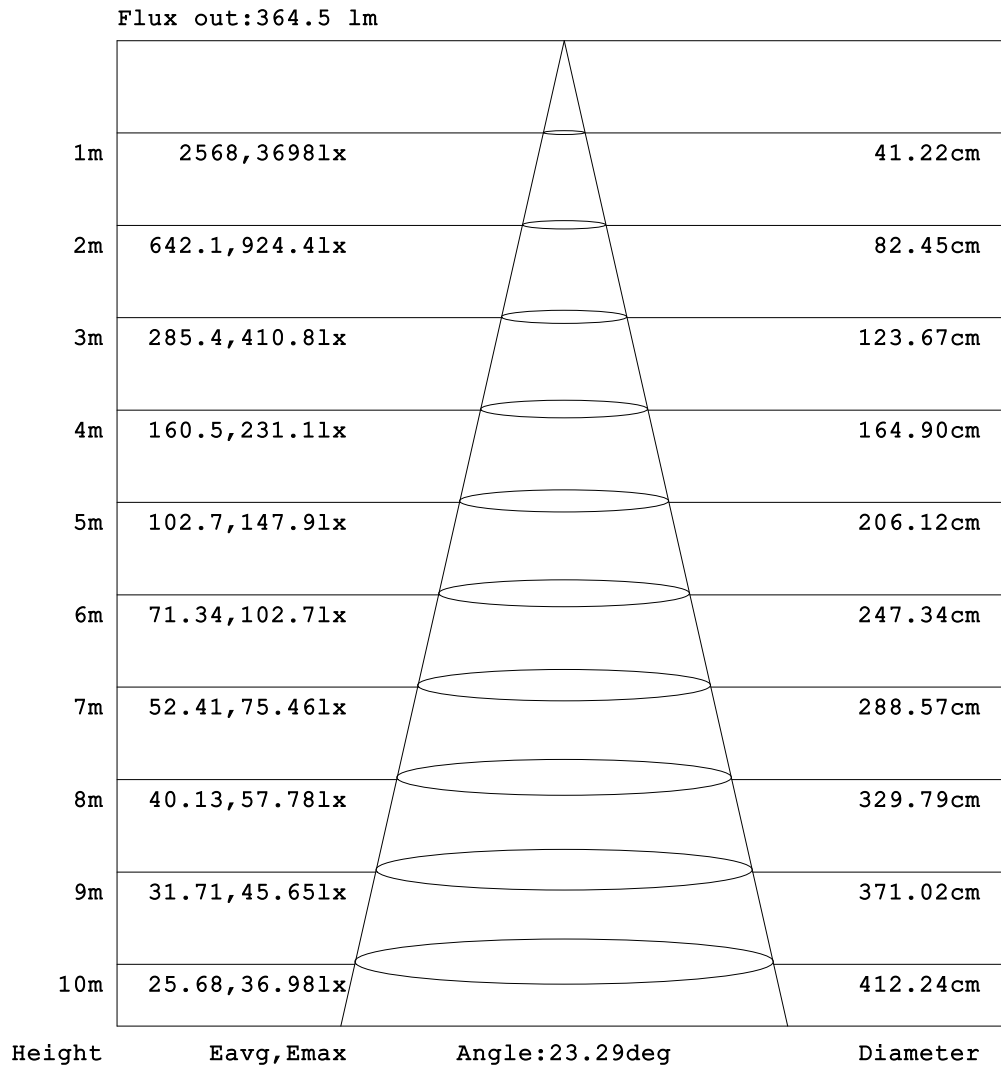


C Range: 0 - 360DEG
 C Interval: 30.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:GS
 Test Date:2025-07-19

γ Range: 0 - 90DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.417
 Humidity:65.0%
 Test Distance:5.600m [K=1.0000]
 Remarks:

AAI Figure

Test:U:219.87V I:0.0950A P:12.750W PF:0.6102 Freq:49.99Hz Lamp Flux:721.881x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:	Shielding Angle:



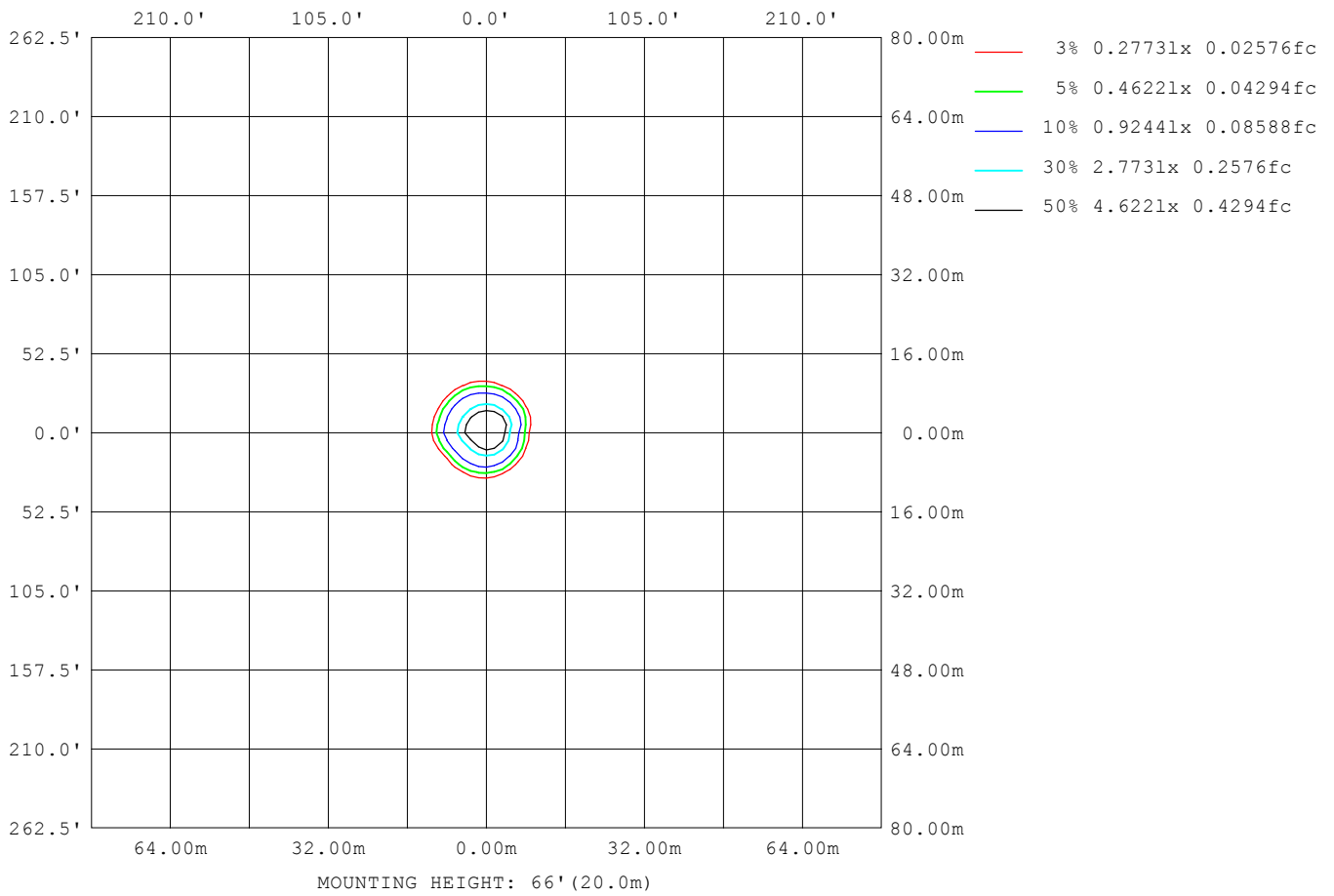
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
 C Interval: 30.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:GS
 Test Date:2025-07-19

γ Range: 0 - 90DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.417
 Humidity:65.0%
 Test Distance:5.600m [K=1.0000]
 Remarks:

ISOLUX DIAGRAM

Test:U:219.87V I:0.0950A P:12.750W PF:0.6102 Freq:49.99Hz Lamp Flux:721.881x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:	Shielding Angle:



C Range: 0 - 360DEG
 C Interval: 30.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:GS
 Test Date:2025-07-19

γ Range: 0 - 90DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.417
 Humidity:65.0%
 Test Distance:5.600m [K=1.0000]
 Remarks:

LED Avg.L Report

Test:U:219.87V I:0.0950A P:12.750W PF:0.6102 Freq:49.99Hz Lamp Flux:721.881x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:	Shielding Angle:

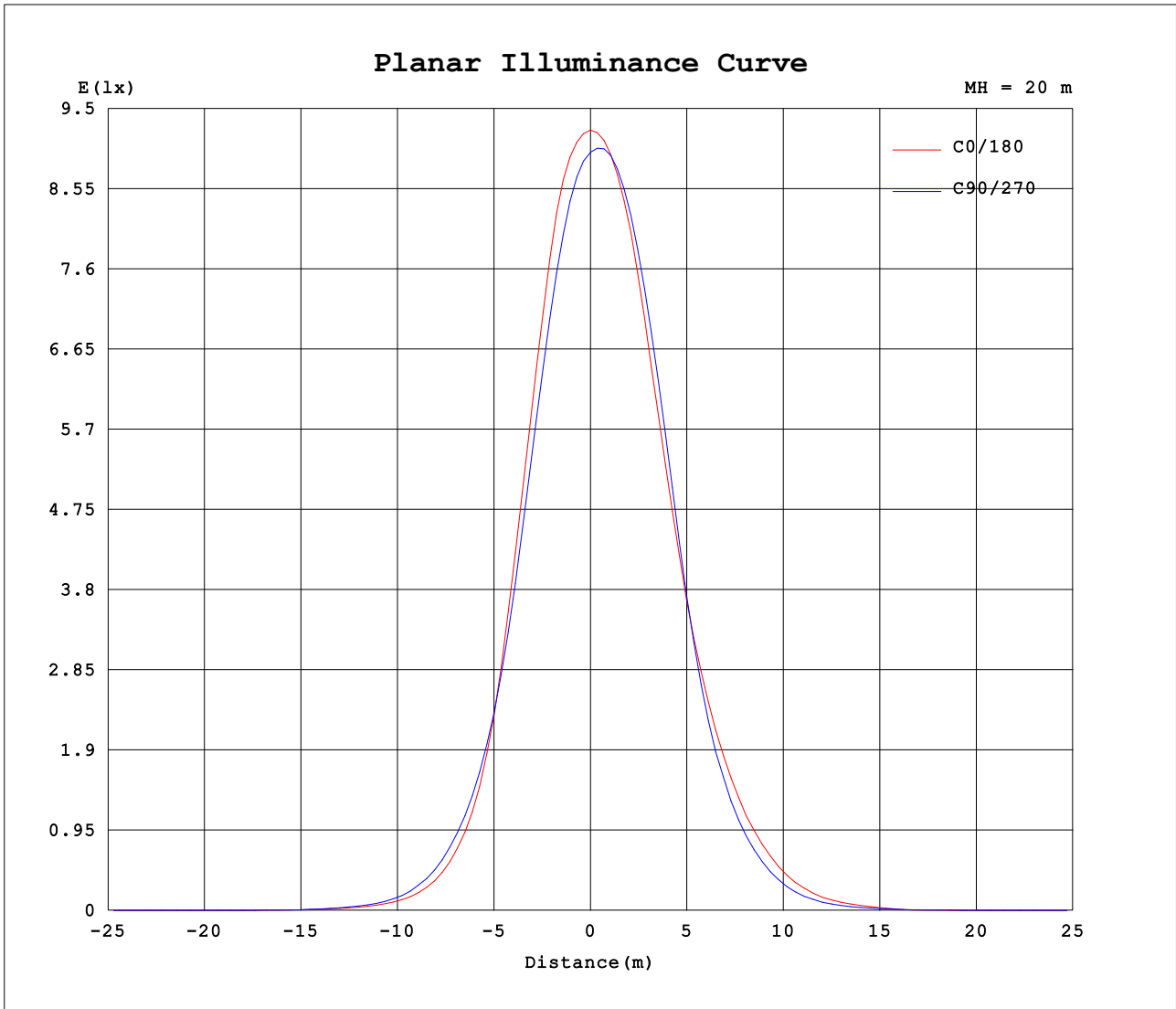
AvgL	cd/m2
L_0~180 (65) av	2758
L_0~180 (75) av	2525
L_0~180 (85) av	4517
L_90~270 (65) av	2662
L_90~270 (75) av	2455
L_90~270 (85) av	4695
L_45 (65) av	2754
L_45 (75) av	2553
L_45 (85) av	4733

Standard: GB/T 29293-2012

C Range: 0 - 360DEG
 C Interval: 30.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:GS
 Test Date:2025-07-19

γ Range: 0 - 90DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.417
 Humidity:65.0%
 Test Distance:5.600m [K=1.0000]
 Remarks:

Planar Illuminance Curve



C Range: 0 - 360DEG
 C Interval: 30.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators: GS
 Test Date: 2025-07-19

γ Range: 0 - 90DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-2000B_V1 SYSTEM V2.00.417
 Humidity: 65.0%
 Test Distance: 5.600m [K=1.0000]
 Remarks:

