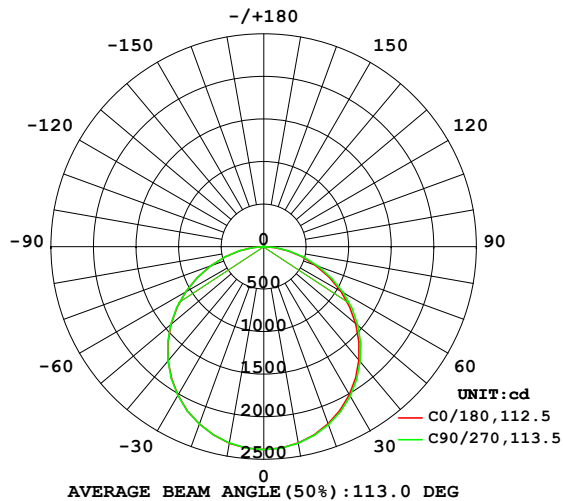


LUMINAIRE PHOTOMETRIC TEST REPORT

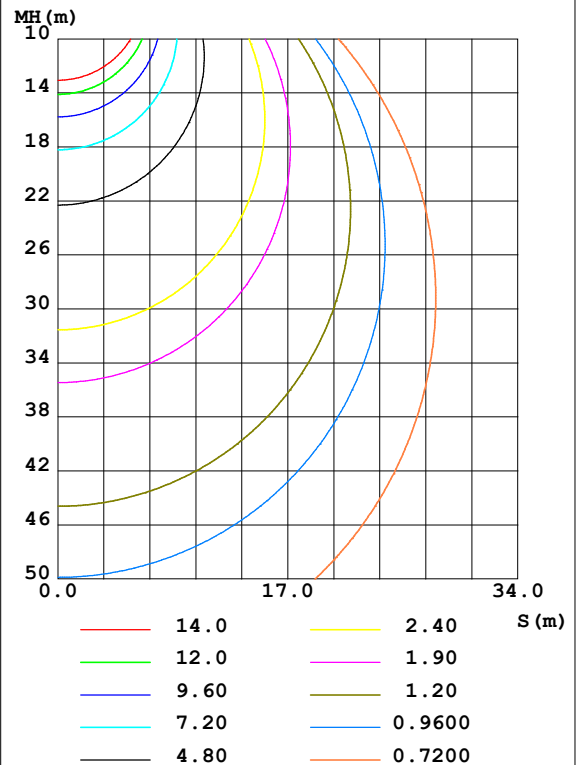
Test:U:220.04V I:0.7964A P:70.155W PF:0.4003 Freq:49.99Hz Lamp Flux:6925.28x1 lm		
NAME: LED PANEL LIGHT	TYPE:VERONA	WEIGHT:
SPEC.:6500K	DIM.: 295*1195*35	SERIAL No.:01
MFR.:	SUR.:	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 98.71 lm/W			
MODEL	160102	Imax(cd)	2386	S/MH(C0/180)	1.26
NOMINAL POWER(W)	72	LOR(%)	100.0	S/MH(C90/270)	1.26
RATED VOLTAGE(V)	220.0	TOTAL FLUX(lm)	6925.3	η UP,DN(C0-180)	0.1,49.9
NOMINAL FLUX(lm)	6925.28	CIE CLASS	DIRECT	η UP,DN(C180-360)	0.2,49.8
LAMPS INSIDE	1	η up(%)	0.3	CIBSE SHR NOM	1.25
TEST VOLTAGE(V)	220.0	η down(%)	99.7	CIBSE SHR MAX	1.35

LUMINOUS INTENSITY DISTRIBUTION DIAGRAM



C0 PLANE ISOLUX DIAGRAM (UNIT:lx)



C Range: 0 - 360DEG
 C Interval: 90.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:King
 Test Date:2025-10-18

γ Range: 0 - 120DEG
 γ Interval: 5.0DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.404.6
 Humidity:65.0%
 Test Distance:9.950m [K=1.1658]
 Remarks:

ZONAL FLUX DIAGRAM

ZONAL FLUX DIAGRAM:

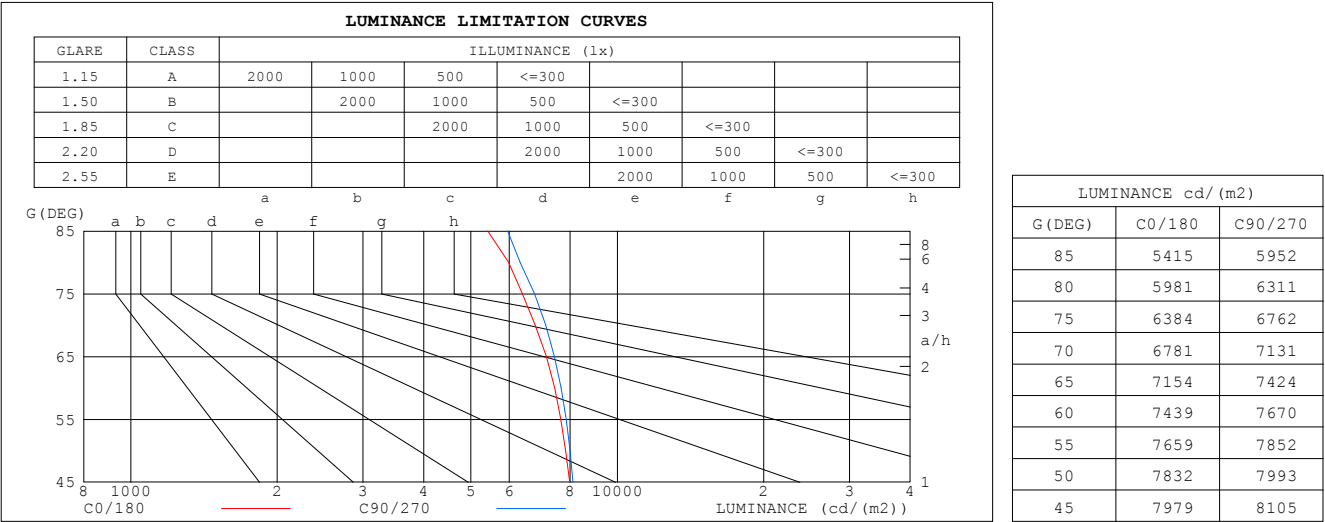
γ	C0	C90	C180	C270					γ	Φ zone	Φ total	%lum,lamp
10	2342	2346	2345	2344					0- 10	225.8	225.8	3.26,3.26
20	2216	2225	2220	2220					10- 20	646.9	872.7	12.6,12.6
30	2012	2031	2018	2021					20- 30	981.4	1854	26.8,26.8
40	1742	1766	1749	1754					30- 40	1185	3039	43.9,43.9
50	1413	1445	1425	1430					40- 50	1232	4271	61.7,61.7
60	1044	1079	1059	1061					50- 60	1116	5386	77.8,77.8
70	651.1	686.0	667.3	665.4					60- 70	856.1	6243	90.1,90.1
80	291.5	308.2	293.1	294.5					70- 80	505.3	6748	97.4,97.4
90	3.378	7.913	6.350	3.833					80- 90	156.3	6904	99.7,99.7
100	5.402	4.405	5.263	5.260					90-100	4.933	6909	99.8,99.8
110	7.331	6.310	6.966	7.305					100-110	6.383	6915	99.9,99.9
120	8.875	8.015	8.686	9.052					110-120	7.789	6923	100,100
130	0	0	0	0					120-130	2.001	6925	100,100
140	0	0	0	0					130-140	0	6925	100,100
150	0	0	0	0					140-150	0	6925	100,100
160	0	0	0	0					150-160	0	6925	100,100
170	0	0	0	0					160-170	0	6925	100,100
180	0	0	0	0					170-180	0	6925	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

C Range: 0 - 360DEG
 C Interval: 90.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:King
 Test Date:2025-10-18

γ Range: 0 - 120DEG
 γ Interval: 5.0DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.404.6
 Humidity:65.0%
 Test Distance:9.950m [K=1.1658]
 Remarks:

LUMINANCE LIMITATION CURVES

Test:U:220.04V I:0.7964A P:70.155W PF:0.4003 Freq:49.99Hz Lamp Flux:6925.28x1 lm		
NAME: LED PANEL LIGHT	TYPE:VERONA	WEIGHT:
SPEC.:6500K	DIM.: 295*1195*35	SERIAL No.:01
MFR.:	SUR.:	Shielding Angle:



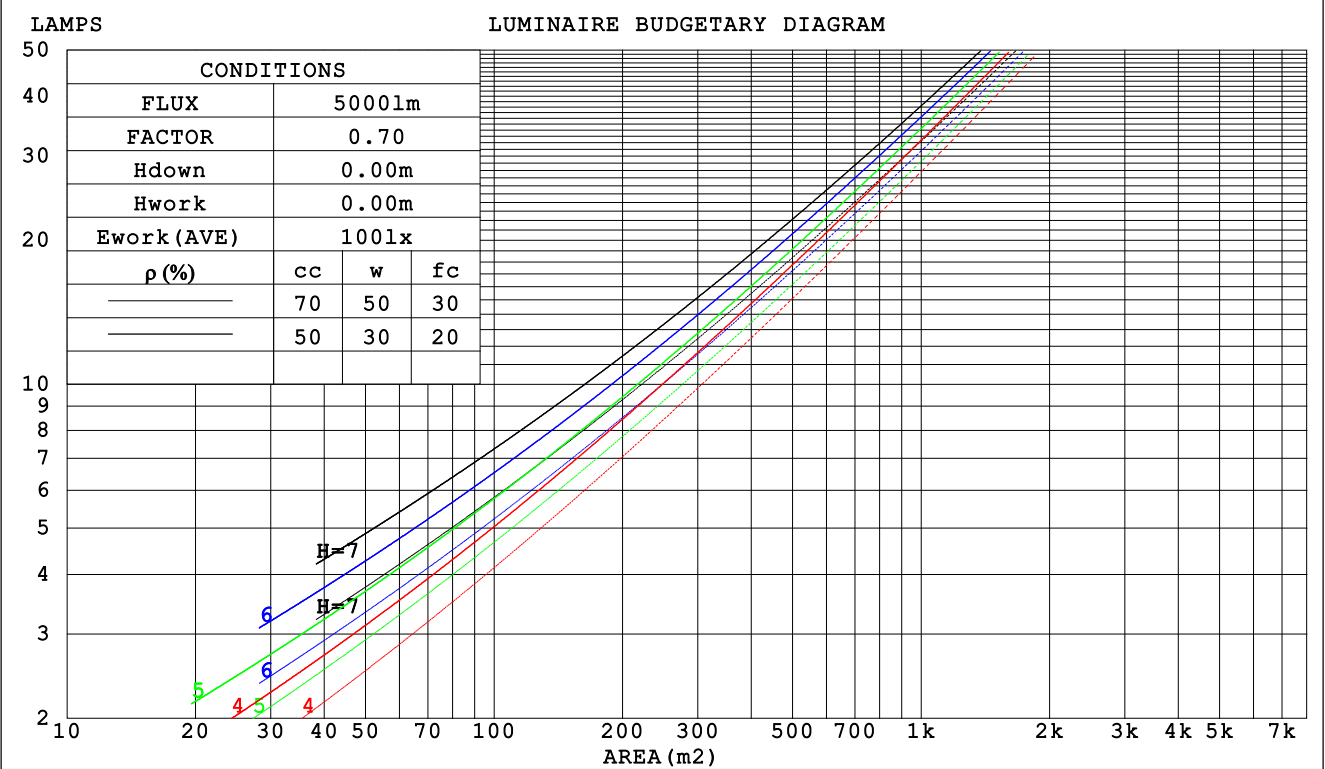
C Range: 0 - 360DEG
C Interval: 90.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:King
Test Date:2025-10-18

γ Range: 0 - 120DEG
γ Interval: 5.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.404.6
Humidity:65.0%
Test Distance:9.950m [K=1.1658]
Remarks:

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:220.04V I:0.7964A P:70.155W PF:0.4003 Freq:49.99Hz Lamp Flux:6925.28x1 lm		
NAME: LED PANEL LIGHT	TYPE:VERONA	WEIGHT:
SPEC.:6500K	DIM.: 295*1195*35	SERIAL No.:01
MFR.:	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	1.04	.99	.95	1.01	.97	.94	.97	.94	.91	.93	.90	.88	.89	.87	.85	.83	
2.0	.90	.83	.77	.88	.82	.76	.84	.79	.74	.81	.77	.73	.78	.74	.71	.69	
3.0	.79	.71	.64	.77	.70	.63	.74	.68	.62	.71	.66	.61	.69	.64	.60	.58	
4.0	.70	.61	.54	.68	.60	.54	.66	.59	.53	.64	.57	.52	.61	.56	.51	.49	
5.0	.62	.53	.47	.61	.53	.46	.59	.51	.46	.57	.50	.45	.55	.49	.45	.42	
6.0	.56	.47	.41	.55	.47	.40	.53	.46	.40	.52	.45	.40	.50	.44	.39	.37	
7.0	.51	.42	.36	.50	.42	.36	.48	.41	.35	.47	.40	.35	.46	.39	.35	.33	
8.0	.46	.38	.32	.46	.37	.32	.44	.37	.32	.43	.36	.31	.42	.36	.31	.29	
9.0	.43	.34	.29	.42	.34	.29	.41	.33	.28	.40	.33	.28	.39	.32	.28	.26	
10.0	.39	.31	.26	.39	.31	.26	.38	.31	.26	.37	.30	.26	.36	.30	.25	.24	



C Range: 0 - 360DEG
C Interval: 90.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:King
Test Date:2025-10-18

γ Range: 0 - 120DEG
γ Interval: 5.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.404.6
Humidity:65.0%
Test Distance:9.950m [K=1.1658]
Remarks:

WEC AND CCEC

Test:U:220.04V I:0.7964A P:70.155W PF:0.4003 Freq:49.99Hz Lamp Flux:6925.28x1 lm								
NAME: LED PANEL LIGHT				TYPE:VERONA			WEIGHT:	
SPEC.:6500K				DIM.: 295*1195*35			SERIAL No.:01	
MFR.:				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	.315	.179	.057	.308	.176	.056	.295	.169	.054	.282	.163	.052	.271	.157	.051		
2.0	.295	.162	.050	.289	.159	.049	.277	.154	.048	.266	.149	.047	.256	.145	.046		
3.0	.272	.145	.043	.267	.143	.043	.256	.139	.042	.247	.135	.041	.237	.132	.041		
4.0	.251	.130	.038	.246	.129	.038	.237	.126	.037	.228	.122	.037	.220	.119	.036		
5.0	.232	.118	.034	.227	.117	.034	.219	.114	.034	.211	.111	.033	.204	.109	.033		
6.0	.215	.108	.031	.211	.106	.031	.203	.104	.030	.196	.102	.030	.190	.100	.030		
7.0	.200	.099	.028	.196	.098	.028	.190	.096	.028	.183	.094	.027	.178	.092	.027		
8.0	.186	.091	.026	.183	.090	.026	.177	.089	.025	.172	.087	.025	.167	.086	.025		
9.0	.175	.084	.024	.172	.084	.023	.166	.082	.023	.161	.081	.023	.157	.080	.023		
10.0	.164	.079	.022	.162	.078	.022	.157	.077	.022	.152	.076	.021	.148	.074	.021		

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	.193	.193	.193	.165	.165	.165	.112	.112	.112	.065	.065	.065	.021	.021	.021	
1.0	.183	.158	.136	.157	.136	.117	.107	.094	.081	.062	.054	.047	.020	.017	.015	
2.0	.175	.134	.100	.150	.116	.086	.103	.080	.060	.059	.047	.035	.019	.015	.012	
3.0	.167	.117	.076	.143	.101	.066	.098	.070	.046	.057	.041	.027	.018	.013	.009	
4.0	.160	.103	.060	.137	.089	.052	.094	.062	.037	.055	.036	.022	.018	.012	.007	
5.0	.152	.093	.049	.131	.080	.043	.090	.056	.030	.052	.033	.018	.017	.011	.006	
6.0	.145	.085	.041	.125	.073	.036	.086	.051	.025	.050	.030	.015	.016	.010	.005	
7.0	.138	.078	.035	.119	.067	.031	.082	.047	.022	.048	.028	.013	.015	.009	.004	
8.0	.132	.072	.031	.113	.062	.027	.078	.044	.019	.046	.026	.011	.015	.008	.004	
9.0	.126	.067	.028	.108	.058	.024	.075	.041	.017	.044	.024	.010	.014	.008	.003	
10.0	.120	.063	.025	.103	.054	.022	.072	.038	.015	.042	.023	.009	.014	.007	.003	

C Range: 0 - 360DEG
 C Interval: 90.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:King
 Test Date:2025-10-18

γ Range: 0 - 120DEG
 γ Interval: 5.0DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.404.6
 Humidity:65.0%
 Test Distance:9.950m [K=1.1658]
 Remarks:

UGR(Unified Glare Rating) Table

Test:U:220.04V I:0.7964A P:70.155W PF:0.4003 Freq:49.99Hz Lamp Flux:6925.28x1 lm										
NAME: LED PANEL LIGHT					TYPE:VERONA			WEIGHT:		
SPEC.:6500K					DIM.: 295*1195*35			SERIAL No.:01		
MFR.:					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	19.9	21.5	20.2	21.7	21.9	20.0	21.6	20.3	21.8	22.0
3H	21.4	22.8	21.7	23.1	23.3	21.6	23.0	21.9	23.2	23.5
4H	22.0	23.4	22.3	23.6	23.9	22.2	23.6	22.5	23.8	24.1
6H	22.5	23.7	22.8	24.0	24.3	22.7	24.0	23.0	24.2	24.5
8H	22.6	23.8	23.0	24.1	24.4	22.8	24.1	23.2	24.4	24.7
12H	22.7	23.9	23.1	24.2	24.5	22.9	24.1	23.3	24.4	24.7
4H 2H	20.6	21.9	20.9	22.2	22.4	20.6	22.0	21.0	22.2	22.5
3H	22.2	23.4	22.6	23.7	24.0	22.4	23.6	22.7	23.9	24.2
4H	23.0	24.0	23.3	24.4	24.7	23.1	24.2	23.5	24.5	24.9
6H	23.5	24.5	24.0	24.9	25.2	23.7	24.7	24.1	25.1	25.4
8H	23.7	24.6	24.2	25.0	25.4	23.9	24.8	24.4	25.2	25.6
12H	23.9	24.7	24.3	25.1	25.5	24.1	24.9	24.5	25.3	25.7
8H 4H	23.3	24.1	23.7	24.5	24.9	23.4	24.3	23.8	24.7	25.1
6H	24.0	24.7	24.4	25.1	25.6	24.2	24.9	24.6	25.3	25.7
8H	24.3	24.9	24.7	25.4	25.8	24.5	25.1	24.9	25.5	26.0
12H	24.5	25.0	25.0	25.5	26.0	24.7	25.3	25.2	25.7	26.2
12H 4H	23.3	24.1	23.7	24.5	24.9	23.4	24.2	23.8	24.6	25.0
6H	24.1	24.7	24.5	25.1	25.6	24.2	24.9	24.7	25.3	25.8
8H	24.4	24.9	24.9	25.4	25.9	24.6	25.1	25.0	25.6	26.1
Variations with the observer position at spacings:										
S = 1.0H	+ 0.1 / - 0.2					+ 0.1 / - 0.2				
1.5H	+ 0.2 / - 0.3					+ 0.2 / - 0.3				
2.0H	+ 0.2 / - 0.3					+ 0.2 / - 0.3				

CIE Pub.117, 6925 lm Total Lamp Luminous Flux Corrected ($8\log(F/F_0) = 6.7$)

C Range: 0 - 360DEG
 C Interval: 90.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:King
 Test Date:2025-10-18

γ Range: 0 - 120DEG
 γ Interval: 5.0DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.404.6
 Humidity:65.0%
 Test Distance:9.950m [K=1.1658]
 Remarks:

UTILIZATION FACTORS TABLE

Test:U:220.04V I:0.7964A P:70.155W PF:0.4003 Freq:49.99Hz Lamp Flux:6925.28x1 lm		
NAME: LED PANEL LIGHT	TYPE:VERONA	WEIGHT:
SPEC.:6500K	DIM.: 295*1195*35	SERIAL No.:01
MFR.:	SUR.:	Shielding Angle:

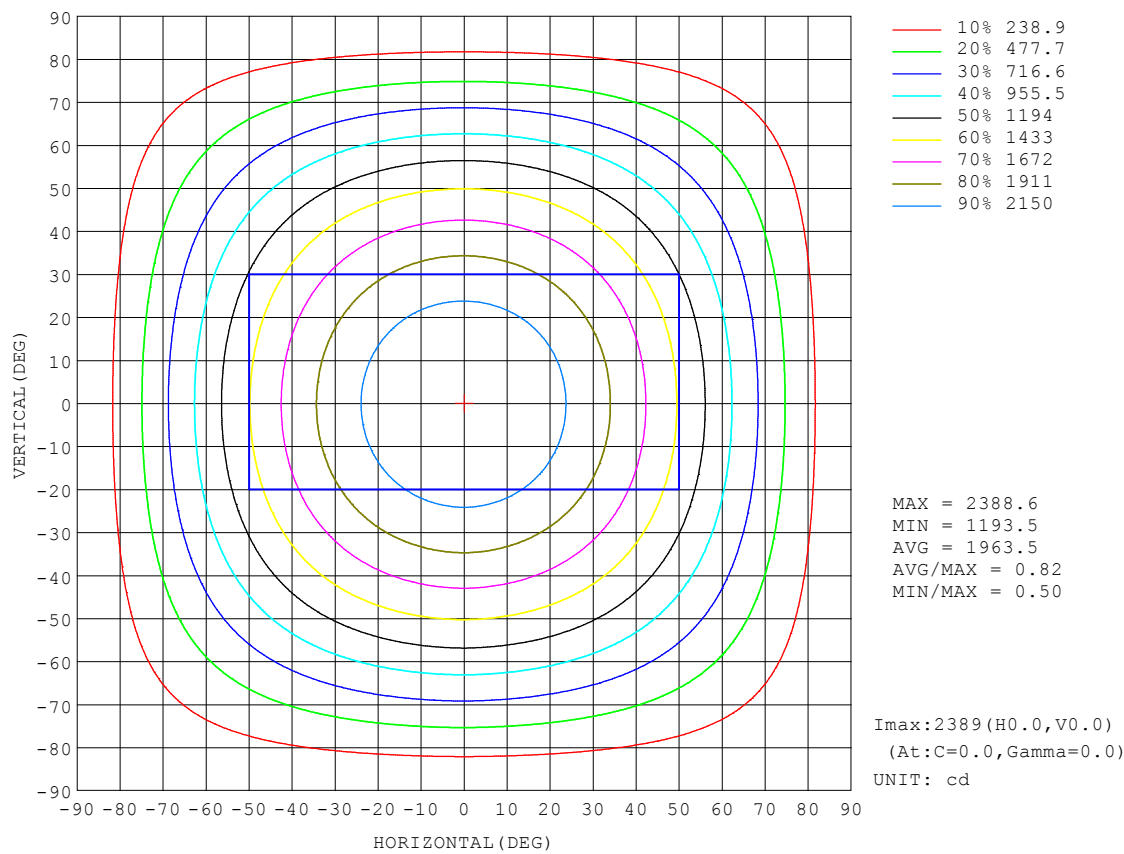
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS (PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	57	45	38	56	45	38	55	45	38	32
0.80	67	55	48	66	55	48	64	54	47	40
1.00	75	64	57	74	64	57	72	65	56	49
1.25	83	72	65	81	71	64	78	70	64	56
1.50	88	78	70	86	77	70	83	75	69	61
2.00	95	86	79	93	85	78	89	82	77	69
2.50	98	91	84	96	89	83	92	86	82	73
3.00	102	95	89	100	93	88	96	90	86	77
4.00	106	100	95	103	98	94	99	95	91	82
5.00	108	103	99	106	101	98	101	98	95	85
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:25.3DEG
 Operators:King
 Test Date:2025-10-18

γ Range: 0 - 120DEG
 γ Interval: 5.0DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.404.6
 Humidity:65.0%
 Test Distance:9.950m [K=1.1658]
 Remarks:

ISOCANDELA DIAGRAM

Test:U:220.04V I:0.7964A P:70.155W PF:0.4003 Freq:49.99Hz Lamp Flux:6925.28x1 lm		
NAME: LED PANEL LIGHT	TYPE:VERONA	WEIGHT:
SPEC.:6500K	DIM.: 295*1195*35	SERIAL No.:01
MFR.:	SUR.:	Shielding Angle:

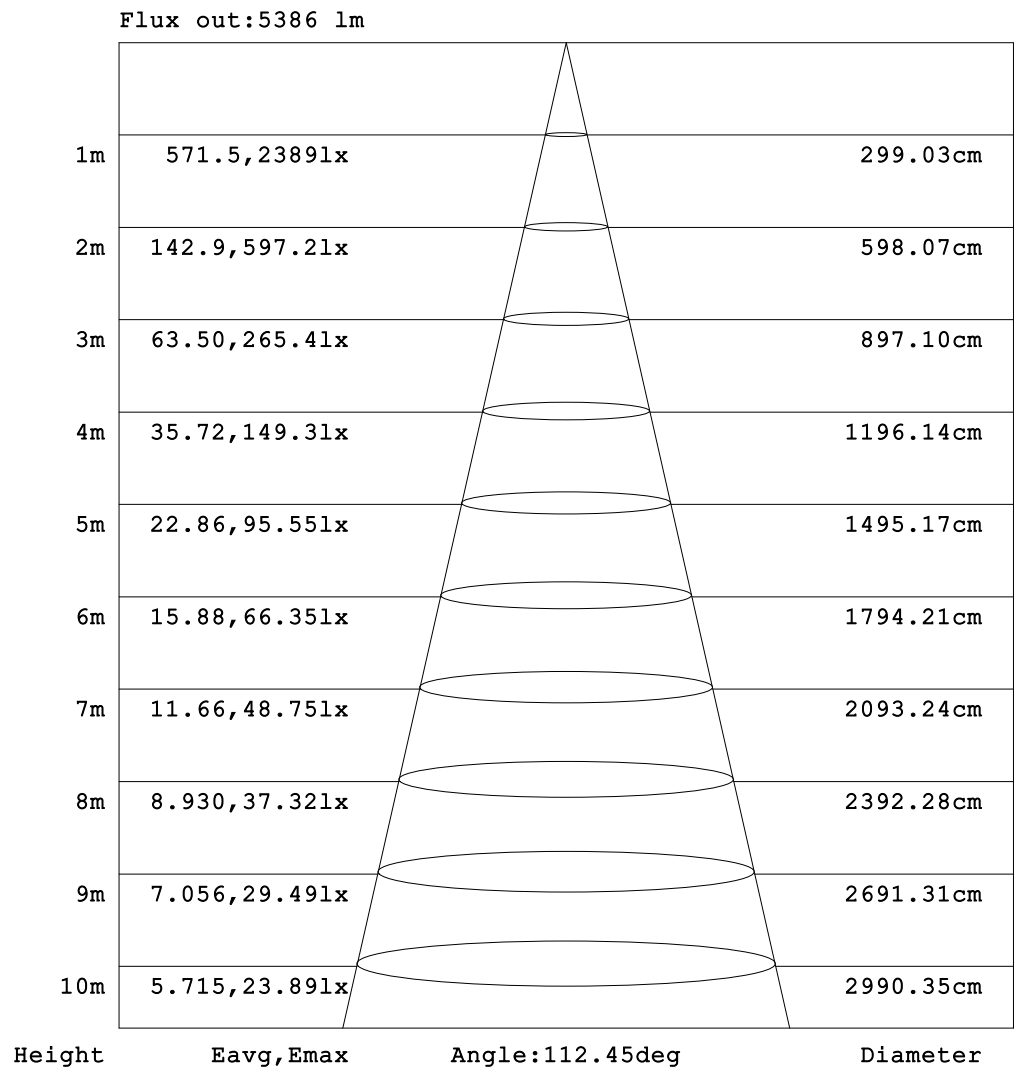


C Range: 0 - 360DEG
C Interval: 90.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:King
Test Date:2025-10-18

γ Range: 0 - 120DEG
γ Interval: 5.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.404.6
Humidity:65.0%
Test Distance:9.950m [K=1.1658]
Remarks:

AAI Figure

Test:U:220.04V I:0.7964A P:70.155W PF:0.4003 Freq:49.99Hz Lamp Flux:6925.28x1 lm		
NAME: LED PANEL LIGHT	TYPE:VERONA	WEIGHT:
SPEC.:6500K	DIM.: 295*1195*35	SERIAL No.:01
MFR.:	SUR.:	Shielding Angle:



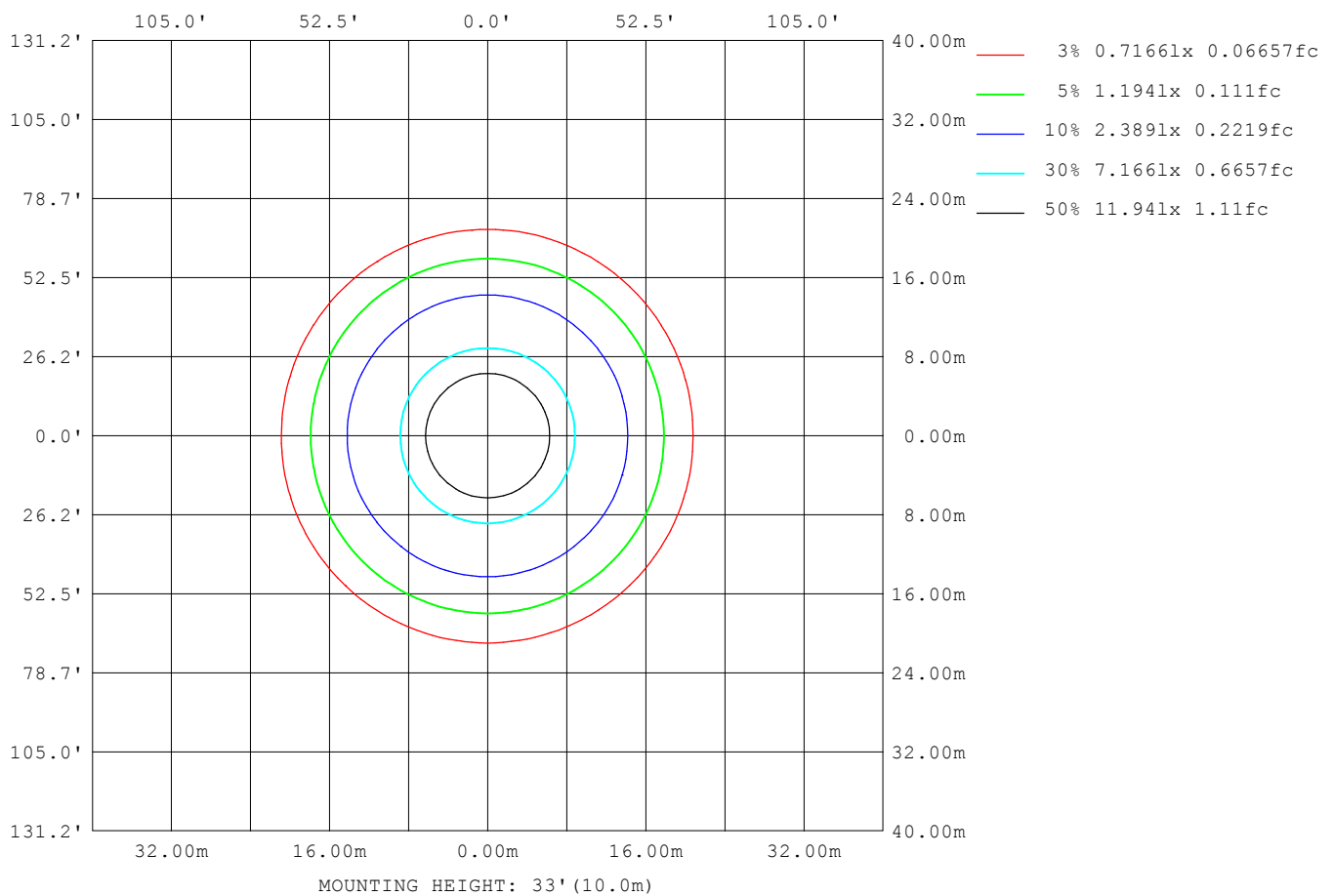
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
 C Interval: 90.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:King
 Test Date:2025-10-18

γ Range: 0 - 120DEG
 γ Interval: 5.0DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.404.6
 Humidity:65.0%
 Test Distance:9.950m [K=1.1658]
 Remarks:

ISOLUX DIAGRAM

Test:U:220.04V I:0.7964A P:70.155W PF:0.4003 Freq:49.99Hz Lamp Flux:6925.28x1 lm		
NAME: LED PANEL LIGHT	TYPE:VERONA	WEIGHT:
SPEC.:6500K	DIM.: 295*1195*35	SERIAL No.:01
MFR.:	SUR.:	Shielding Angle:



C Range: 0 - 360DEG
 C Interval: 90.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:King
 Test Date:2025-10-18

γ Range: 0 - 120DEG
 γ Interval: 5.0DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.404.6
 Humidity:65.0%
 Test Distance:9.950m [K=1.1658]
 Remarks:

LED Avg.L Report

Test:U:220.04V I:0.7964A P:70.155W PF:0.4003 Freq:49.99Hz Lamp Flux:6925.28x1 lm		
NAME: LED PANEL LIGHT	TYPE:VERONA	WEIGHT:
SPEC.:6500K	DIM.: 295*1195*35	SERIAL No.:01
MFR.:	SUR.:	Shielding Angle:

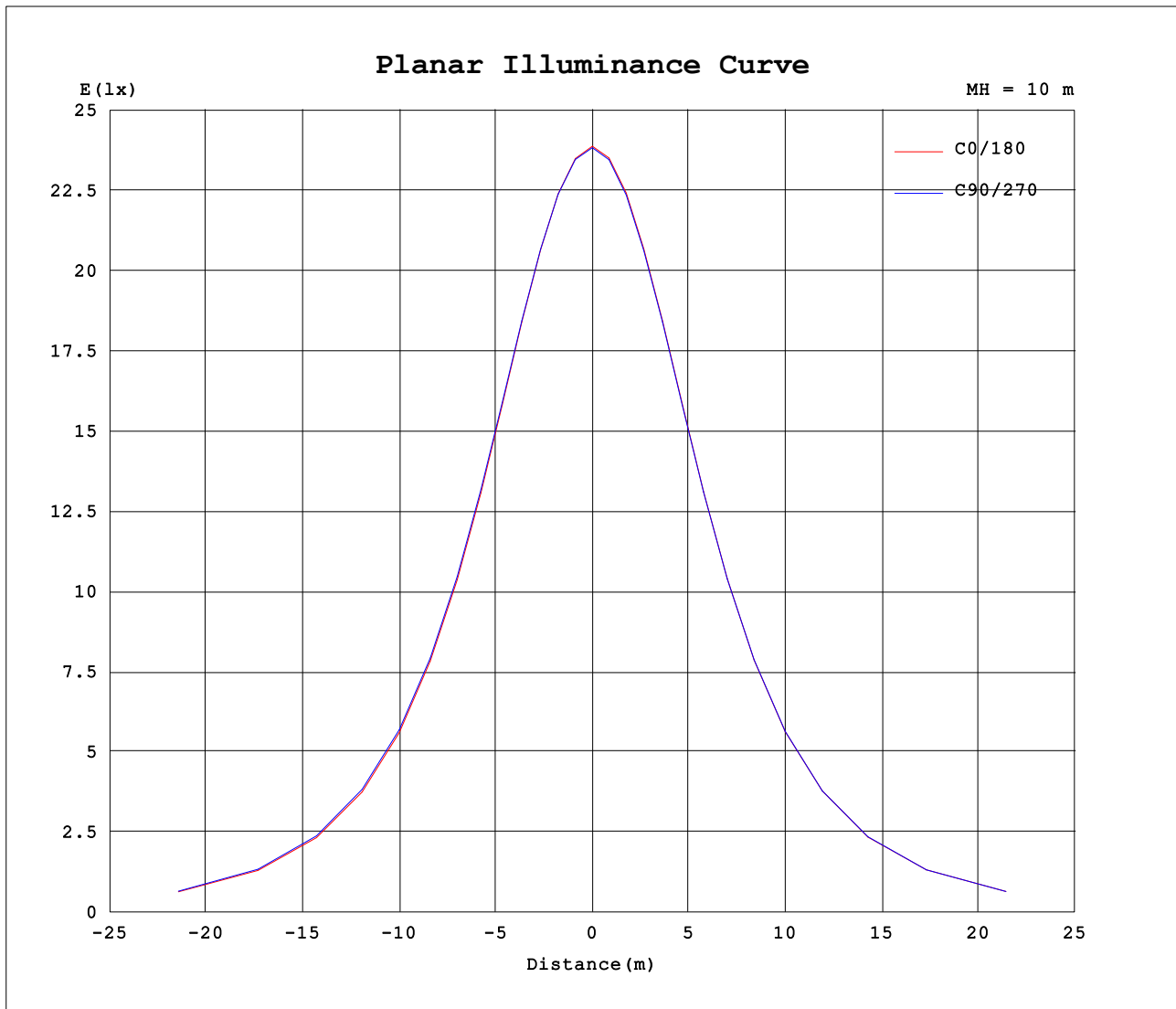
AvgL	cd/m2
L_0~180 (65) av	7212
L_0~180 (75) av	6446
L_0~180 (85) av	5446
L_90~270 (65) av	7355
L_90~270 (75) av	6623
L_90~270 (85) av	5660
L_45 (65) av	7305
L_45 (75) av	6561
L_45 (85) av	5582

Standard: GB/T 29293-2012

C Range: 0 - 360DEG
 C Interval: 90.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:King
 Test Date:2025-10-18

γ Range: 0 - 120DEG
 γ Interval: 5.0DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.404.6
 Humidity:65.0%
 Test Distance:9.950m [K=1.1658]
 Remarks:

Planar Illuminance Curve



C Range: 0 - 360DEG
C Interval: 90.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: King
Test Date: 2025-10-18

γ Range: 0 - 120DEG
 γ Interval: 5.0DEG
Test System: EVERFINE GO-2000B_V1 SYSTEM V2.0.404.6
Humidity: 65.0%
Test Distance: 9.950m [K=1.1658]
Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:220.04V I:0.7964A P:70.155W PF:0.4003 Freq:49.99Hz Lamp Flux:6925.28x1 lm		
NAME: LED PANEL LIGHT	TYPE:VERONA	WEIGHT:
SPEC.:6500K	DIM.: 295*1195*35	SERIAL No.:01
MFR.:	SUR.:	Shielding Angle:

Table--1

UNIT: cd

C (DEG) γ (DEG)	0	90	180	270														
0	2386	2386	2386	2386														
5	2375	2376	2377	2375														
10	2342	2346	2345	2344														
15	2289	2296	2292	2291														
20	2216	2225	2220	2220														
25	2123	2137	2129	2129														
30	2012	2031	2018	2021														
35	1884	1907	1892	1895														
40	1742	1766	1749	1754														
45	1584	1612	1593	1599														
50	1413	1445	1425	1430														
55	1233	1267	1246	1250														
60	1044	1079	1059	1061														
65	849	883	864	864														
70	651	686	667	665														
75	464	492	474	471														
80	292	308	293	294														
85	132	146	134	131														
90	3.38	7.91	6.35	3.83														
95	3.49	3.60	3.89	4.28														
100	5.40	4.41	5.26	5.26														
105	6.40	5.39	6.22	6.18														
110	7.33	6.31	6.97	7.31														
115	8.16	7.21	7.93	8.28														
120	8.87	8.01	8.69	9.05														
125	0.00	0.00	0.00	0.00														
130	0.00	0.00	0.00	0.00														
135	0.00	0.00	0.00	0.00														
140	0.00	0.00	0.00	0.00														
145	0.00	0.00	0.00	0.00														
150	0.00	0.00	0.00	0.00														
155	0.00	0.00	0.00	0.00														
160	0.00	0.00	0.00	0.00														
165	0.00	0.00	0.00	0.00														
170	0.00	0.00	0.00	0.00														
175	0.00	0.00	0.00	0.00														
180	0.00	0.00	0.00	0.00														

C Range: 0 - 360DEG
 C Interval: 90.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:King
 Test Date:2025-10-18

γ Range: 0 - 120DEG
 γ Interval: 5.0DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.404.6
 Humidity:65.0%
 Test Distance:9.950m [K=1.1658]
 Remarks: