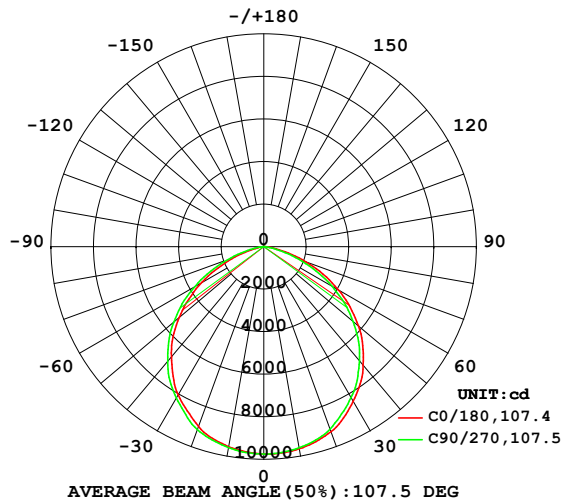


LUMINAIRE PHOTOMETRIC TEST REPORT

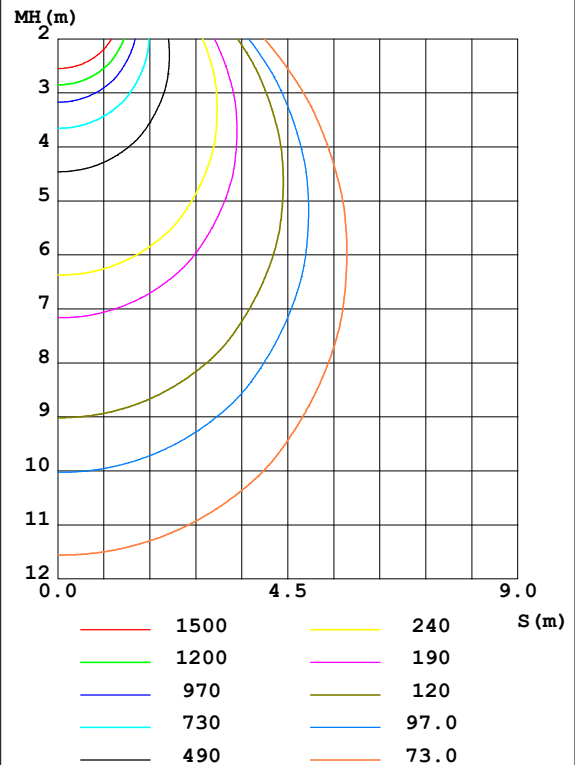
Test:U:119.37V I:1.2381A P:147.20W PF:0.9960 Freq:50.00Hz Lamp Flux:25223.6x1 lm		
NAME: EPC150WS2D50D120V24T	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Fanmei	SUR.:	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 171.36 lm/W			
MODEL	EPC150WS2D50D120V24T	I _{max} (cd)	9751	S/MH(C0/180)	1.23
NOMINAL POWER(W)	150	LOR(%)	100.0	S/MH(C90/270)	1.25
RATED VOLTAGE(V)	120	TOTAL FLUX(lm)	25224	η UP,DN(C0-180)	0.0,50.3
NOMINAL FLUX(lm)	25223.6	CIE CLASS	DIRECT	η UP,DN(C180-360)	0.0,49.7
LAMPS INSIDE	1	η up(%)	0.0	CIBSE SHR NOM	1.25
TEST VOLTAGE(V)	120	η down(%)	100.0	CIBSE SHR MAX	1.35

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: HL
Test Date: 05 September 2025

γ Range: 0 - 90DEG
γ Interval: 1.0DEG
Test System: EVERFINE GO-3000H_V1 SYSTEM V2.00.421
Humidity: 65.0%
Test Distance: 9.220m [K=1.0000]
Remarks: EPC150WS2D50D120V24T

ZONAL FLUX DIAGRAM

ZONAL FLUX DIAGRAM:

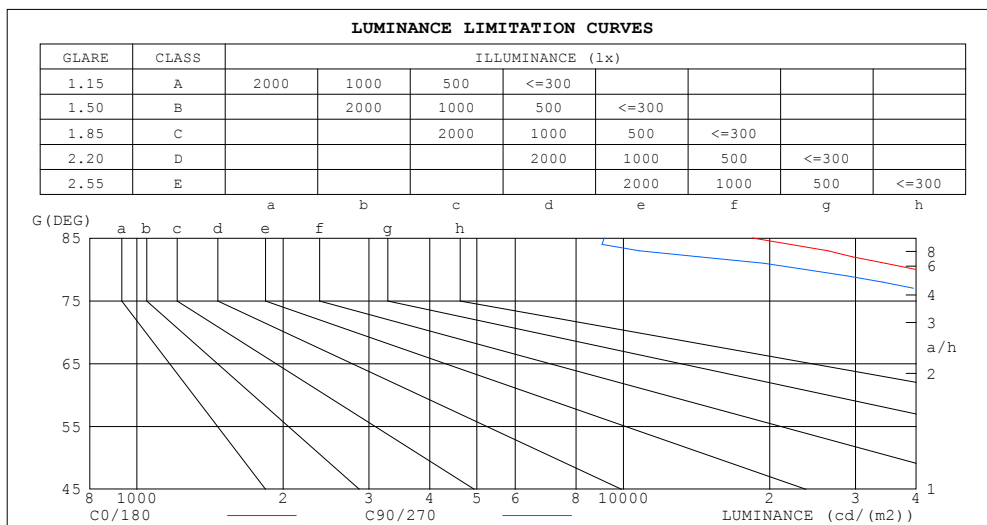
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum, lamp
10	9648	9624	9599	9568	9544	9566	9590	9617	0- 10	923.0	923.0	3.66,3.66
20	9253	9208	9126	9055	8990	9078	9153	9197	10- 20	2656	3579	14.2,14.2
30	8404	8309	8206	8134	8055	8130	8218	8299	20- 30	4009	7589	30.1,30.1
40	7275	7144	7003	6898	6760	6883	7031	7157	30- 40	4793	12382	49.1,49.1
50	5812	5656	5482	5350	5193	5347	5533	5682	40- 50	4862	17244	68.4,68.4
60	4037	3886	3692	3533	3365	3536	3730	3899	50- 60	4142	21385	84.8,84.8
70	2119	1957	1755	1600	1449	1623	1819	1982	60- 70	2714	24099	95.5,95.5
80	488.2	372.1	288.9	202.7	154.8	261.9	343.5	448.6	70- 80	1020	25119	99.6,99.6
90	15.71	9.877	10.29	10.81	12.56	12.19	11.94	11.97	80- 90	104.4	25224	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:HL
Test Date:05 September 2025

γ Range: 0 - 90DEG
 γ Interval: 1.0DEG
Test System:EVERFINE GO-3000H_V1 SYSTEM V2.00.421
Humidity:65.0%
Test Distance:9.220m [K=1.0000]
Remarks: EPC150WS2D50D120V24T

LUMINANCE LIMITATION CURVES

Test:U:119.37V I:1.2381A P:147.20W PF:0.9960 Freq:50.00Hz Lamp Flux:25223.6x1 lm		
NAME: EPC150WS2D50D120V24T	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Fanmei	SUR.:	Shielding Angle:



LUMINANCE cd/(m2)		
G (DEG)	C0/180	C90/270
85	18433	9138
80	39819	23554
75	66036	49731
70	87755	72650
65	103250	91120
60	114367	104549
55	122503	114249
50	128069	120764
45	131879	126422

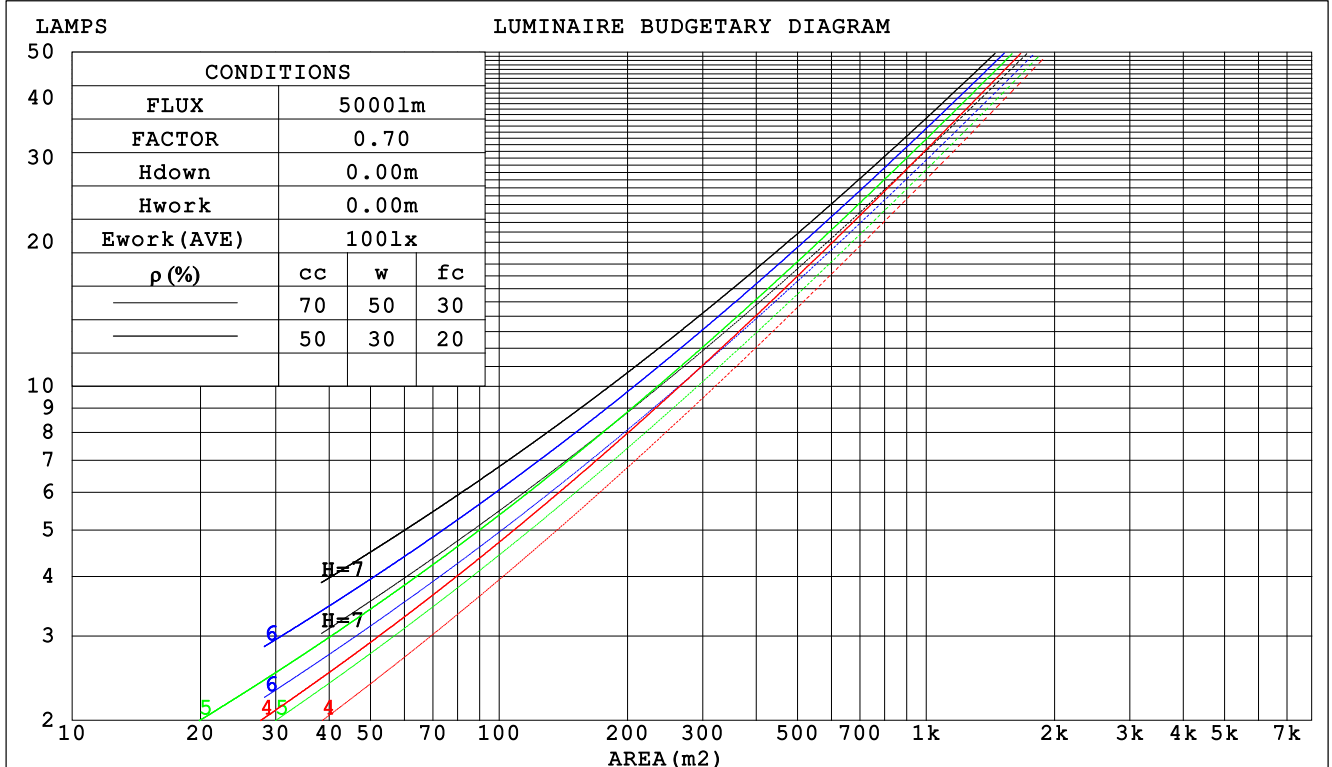
C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:HL
Test Date:05 September 2025

γ Range: 0 - 90DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-3000H_V1 SYSTEM V2.00.421
Humidity:65.0%
Test Distance:9.220m [K=1.0000]
Remarks: EPC150WS2D50D120V24T

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:119.37V I:1.2381A P:147.20W PF:0.9960 Freq:50.00Hz Lamp Flux:25223.6x1 lm		
NAME: EPC150WS2D50D120V24T	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Fanmei	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	1.06	1.02	.98	1.03	.90	.97	.99	.96	.94	.95	.93	.91	.92	.90	.88	.86
2.0	.93	.87	.81	.91	.85	.80	.88	.83	.79	.84	.80	.77	.81	.78	.75	.73
3.0	.82	.75	.68	.81	.74	.68	.78	.72	.67	.75	.70	.65	.72	.68	.64	.62
4.0	.73	.65	.58	.72	.64	.58	.69	.63	.57	.67	.61	.56	.65	.60	.56	.54
5.0	.65	.57	.50	.64	.56	.50	.62	.55	.50	.60	.54	.49	.59	.53	.49	.47
6.0	.59	.50	.44	.58	.50	.44	.56	.49	.44	.55	.48	.43	.53	.47	.43	.41
7.0	.54	.45	.39	.53	.45	.39	.51	.44	.39	.50	.43	.38	.49	.43	.38	.36
8.0	.49	.41	.35	.48	.40	.35	.47	.40	.35	.46	.39	.34	.45	.39	.34	.32
9.0	.45	.37	.31	.44	.37	.31	.43	.36	.31	.42	.36	.31	.41	.35	.31	.29
10.0	.41	.34	.29	.41	.34	.29	.40	.33	.28	.39	.33	.28	.38	.32	.28	.26



C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators: HL
 Test Date: 05 September 2025

γ Range: 0 - 90DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-3000H_V1 SYSTEM V2.00.421
 Humidity: 65.0%
 Test Distance: 9.220m [K=1.0000]
 Remarks: EPC150WS2D50D120V24T

WEC AND CCEC

Test:U:119.37V I:1.2381A P:147.20W PF:0.9960 Freq:50.00Hz Lamp Flux:25223.6x1 lm					
NAME: EPC150WS2D50D120V24T			TYPE:		WEIGHT:
SPEC.:			DIM.:		SERIAL No.:
MFR.: Fanmei			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	.275	.156	.050	.268	.153	.049	.255	.146	.047	.243	.140	.045	.232	.134	.043		
2.0	.267	.146	.045	.261	.144	.044	.250	.139	.043	.239	.134	.042	.229	.130	.041		
3.0	.252	.134	.040	.247	.132	.040	.236	.128	.039	.227	.124	.038	.218	.121	.037		
4.0	.236	.122	.036	.231	.121	.036	.222	.118	.035	.213	.115	.035	.206	.112	.034		
5.0	.220	.112	.032	.216	.111	.032	.208	.108	.032	.200	.106	.031	.193	.103	.031		
6.0	.205	.103	.029	.202	.102	.029	.194	.100	.029	.188	.098	.029	.182	.096	.028		
7.0	.192	.095	.027	.189	.094	.027	.182	.092	.027	.176	.090	.026	.171	.089	.026		
8.0	.180	.088	.025	.177	.087	.025	.172	.086	.024	.166	.084	.024	.161	.083	.024		
9.0	.169	.082	.023	.167	.081	.023	.162	.080	.023	.157	.079	.023	.152	.077	.022		
10.0	.160	.077	.021	.157	.076	.021	.153	.075	.021	.148	.074	.021	.144	.073	.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	.190	.190	.190	.163	.163	.163	.111	.111	.111	.064	.064	.064	.020	.020	.020	
1.0	.178	.156	.137	.152	.134	.118	.104	.092	.082	.060	.053	.047	.019	.017	.015	
2.0	.169	.132	.101	.145	.114	.087	.099	.079	.061	.057	.046	.036	.018	.015	.012	
3.0	.161	.114	.077	.138	.098	.067	.095	.068	.047	.055	.040	.028	.018	.013	.009	
4.0	.153	.101	.060	.132	.087	.052	.091	.061	.037	.052	.036	.022	.017	.012	.007	
5.0	.146	.090	.049	.126	.078	.042	.087	.054	.030	.050	.032	.018	.016	.010	.006	
6.0	.139	.082	.040	.120	.071	.035	.083	.050	.025	.048	.029	.015	.015	.010	.005	
7.0	.133	.075	.034	.114	.065	.030	.079	.045	.021	.046	.027	.013	.015	.009	.004	
8.0	.127	.069	.029	.109	.060	.026	.075	.042	.018	.044	.025	.011	.014	.008	.004	
9.0	.121	.064	.026	.104	.056	.022	.072	.039	.016	.042	.023	.010	.014	.008	.003	
10.0	.115	.060	.023	.099	.052	.020	.069	.037	.014	.040	.022	.008	.013	.007	.003	

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:HL
Test Date:05 September 2025

γ Range: 0 - 90DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-3000H_V1 SYSTEM V2.00.421
Humidity:65.0%
Test Distance:9.220m [K=1.0000]
Remarks: EPC150WS2D50D120V24T

UGR(Unified Glare Rating) Table

Test:U:119.37V I:1.2381A P:147.20W PF:0.9960 Freq:50.00Hz Lamp Flux:25223.6x1 lm										
NAME: EPC150WS2D50D120V24T						TYPE:			WEIGHT:	
SPEC.:						DIM.:			SERIAL No.:	
MFR.: Fanmei						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	29.7	31.2	30.0	31.4	31.6	29.4	30.9	29.7	31.1	31.3
3H	30.8	32.2	31.1	32.4	32.6	30.4	31.7	30.7	31.9	32.2
4H	31.1	32.4	31.4	32.7	32.9	30.6	31.9	30.9	32.1	32.4
6H	31.2	32.4	31.5	32.7	33.0	30.6	31.8	30.9	32.0	32.3
8H	31.2	32.3	31.5	32.6	32.9	30.5	31.7	30.9	32.0	32.3
12H	31.2	32.3	31.5	32.6	32.9	30.5	31.6	30.8	31.9	32.2
4H 2H	30.2	31.4	30.5	31.7	31.9	29.9	31.2	30.2	31.4	31.7
3H	31.4	32.5	31.8	32.8	33.1	31.0	32.1	31.4	32.4	32.7
4H	31.8	32.8	32.2	33.1	33.4	31.3	32.3	31.7	32.6	33.0
6H	31.9	32.8	32.3	33.2	33.5	31.4	32.2	31.8	32.6	33.0
8H	31.9	32.7	32.3	33.1	33.5	31.3	32.1	31.7	32.5	32.9
12H	31.9	32.7	32.3	33.0	33.4	31.3	32.0	31.7	32.4	32.8
8H 4H	31.8	32.7	32.3	33.0	33.4	31.4	32.2	31.8	32.6	33.0
6H	32.0	32.7	32.5	33.1	33.5	31.5	32.2	31.9	32.6	33.0
8H	32.0	32.6	32.5	33.1	33.5	31.5	32.1	31.9	32.5	32.9
12H	32.0	32.5	32.5	33.0	33.5	31.4	31.9	31.9	32.4	32.9
12H 4H	31.8	32.6	32.2	32.9	33.3	31.4	32.1	31.8	32.5	32.9
6H	32.0	32.6	32.5	33.0	33.5	31.5	32.1	31.9	32.5	32.9
8H	32.0	32.5	32.5	33.0	33.4	31.4	32.0	31.9	32.4	32.9
Variations with the observer position at spacings:										
S = 1.0H	+ 0.2 / - 0.3					+ 0.3 / - 0.4				
1.5H	+ 0.2 / - 0.4					+ 0.3 / - 0.5				
2.0H	+ 0.4 / - 0.5					+ 0.4 / - 0.5				

CIE Pub.117, 25224 lm Total Lamp Luminous Flux Corrected (8log(F/F0) = 11.2)
Area: 0.0706 m2

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:HL
Test Date:05 September 2025

γ Range: 0 - 90DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-3000H_V1 SYSTEM V2.00.421
Humidity:65.0%
Test Distance:9.220m [K=1.0000]
Remarks: EPC150WS2D50D120V24T

UTILIZATION FACTORS TABLE

Test:U:119.37V I:1.2381A P:147.20W PF:0.9960 Freq:50.00Hz Lamp Flux:25223.6x1 lm		
NAME: EPC150WS2D50D120V24T	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Fanmei	SUR.:	Shielding Angle:

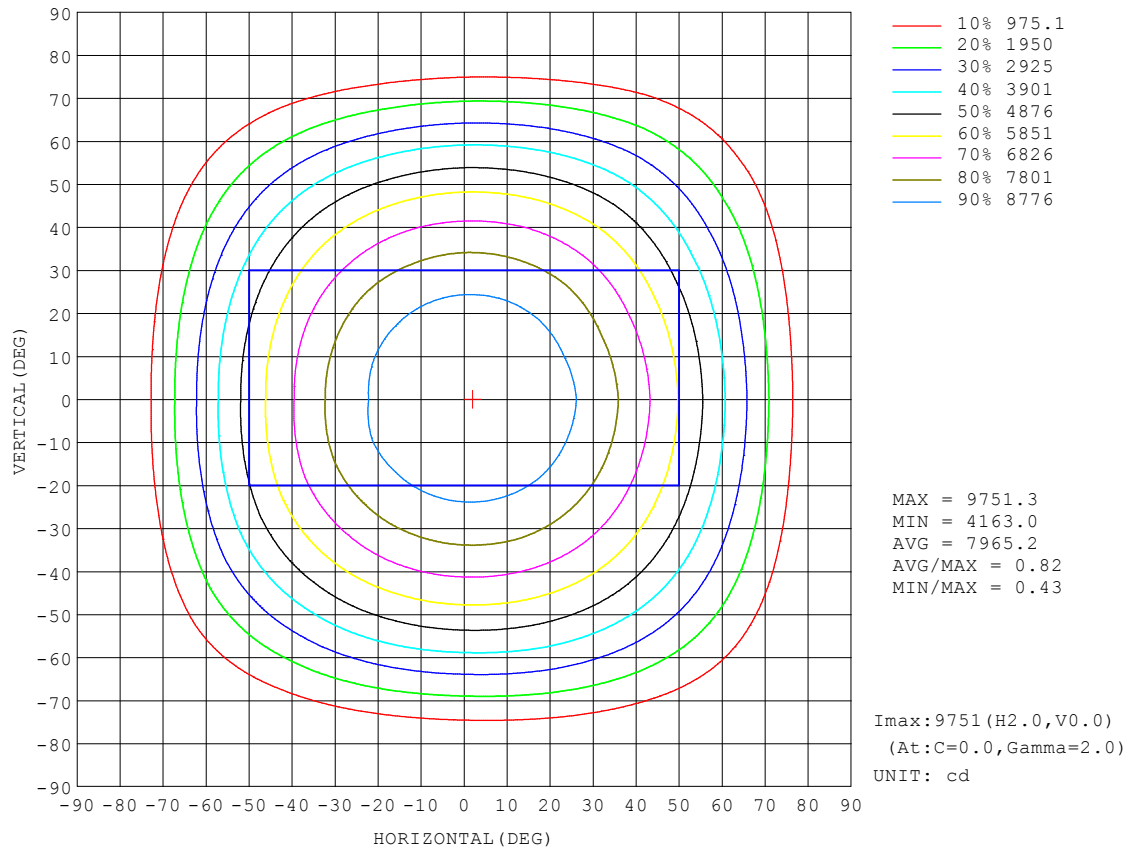
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS (PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	60	49	42	59	48	42	58	48	42	35
0.80	70	59	52	69	59	52	67	58	51	45
1.00	79	68	61	78	68	61	75	69	61	54
1.25	86	76	69	84	75	69	82	74	68	61
1.50	91	82	75	89	81	75	86	79	74	67
2.00	97	90	84	96	88	83	92	86	81	74
2.50	101	94	88	99	93	88	95	90	86	78
3.00	104	98	93	102	96	92	98	94	90	82
4.00	108	103	99	106	101	97	101	98	95	86
5.00	110	106	102	108	104	101	103	100	97	89
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: HL
Test Date: 05 September 2025

γ Range: 0 - 90DEG
 γ Interval: 1.0DEG
Test System: EVERFINE GO-3000H_V1 SYSTEM V2.00.421
Humidity: 65.0%
Test Distance: 9.220m [K=1.0000]
Remarks: EPC150WS2D50D120V24T

ISOCANDELA DIAGRAM

Test:U:119.37V I:1.2381A P:147.20W PF:0.9960 Freq:50.00Hz Lamp Flux:25223.6x1 lm		
NAME: EPC150WS2D50D120V24T	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Fanmei	SUR.:	Shielding Angle:

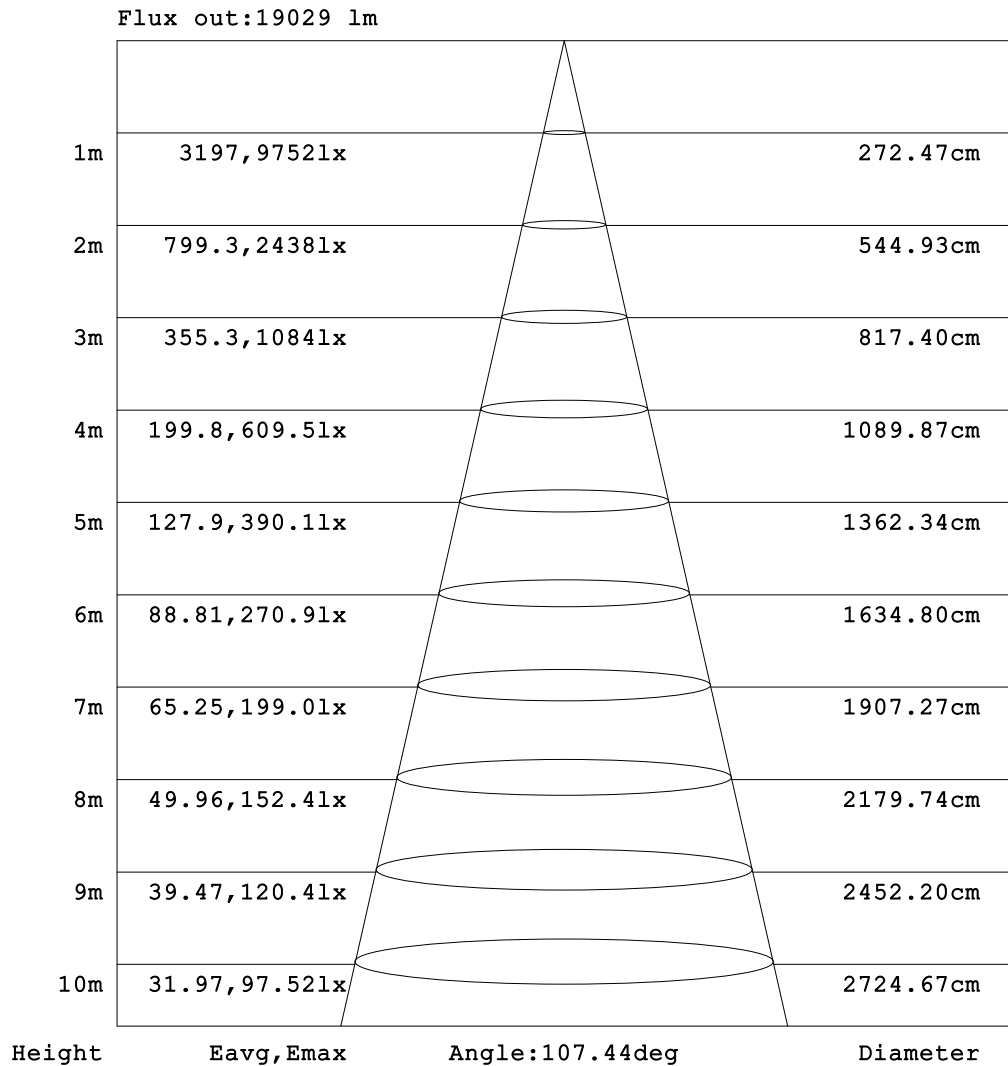


C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:HL
Test Date:05 September 2025

γ Range: 0 - 90DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-3000H_V1 SYSTEM V2.00.421
Humidity:65.0%
Test Distance:9.220m [K=1.0000]
Remarks: EPC150WS2D50D120V24T

AAI Figure

Test:U:119.37V I:1.2381A P:147.20W PF:0.9960 Freq:50.00Hz Lamp Flux:25223.6x1 lm		
NAME: EPC150WS2D50D120V24T	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Fanmei	SUR.:	Shielding Angle:



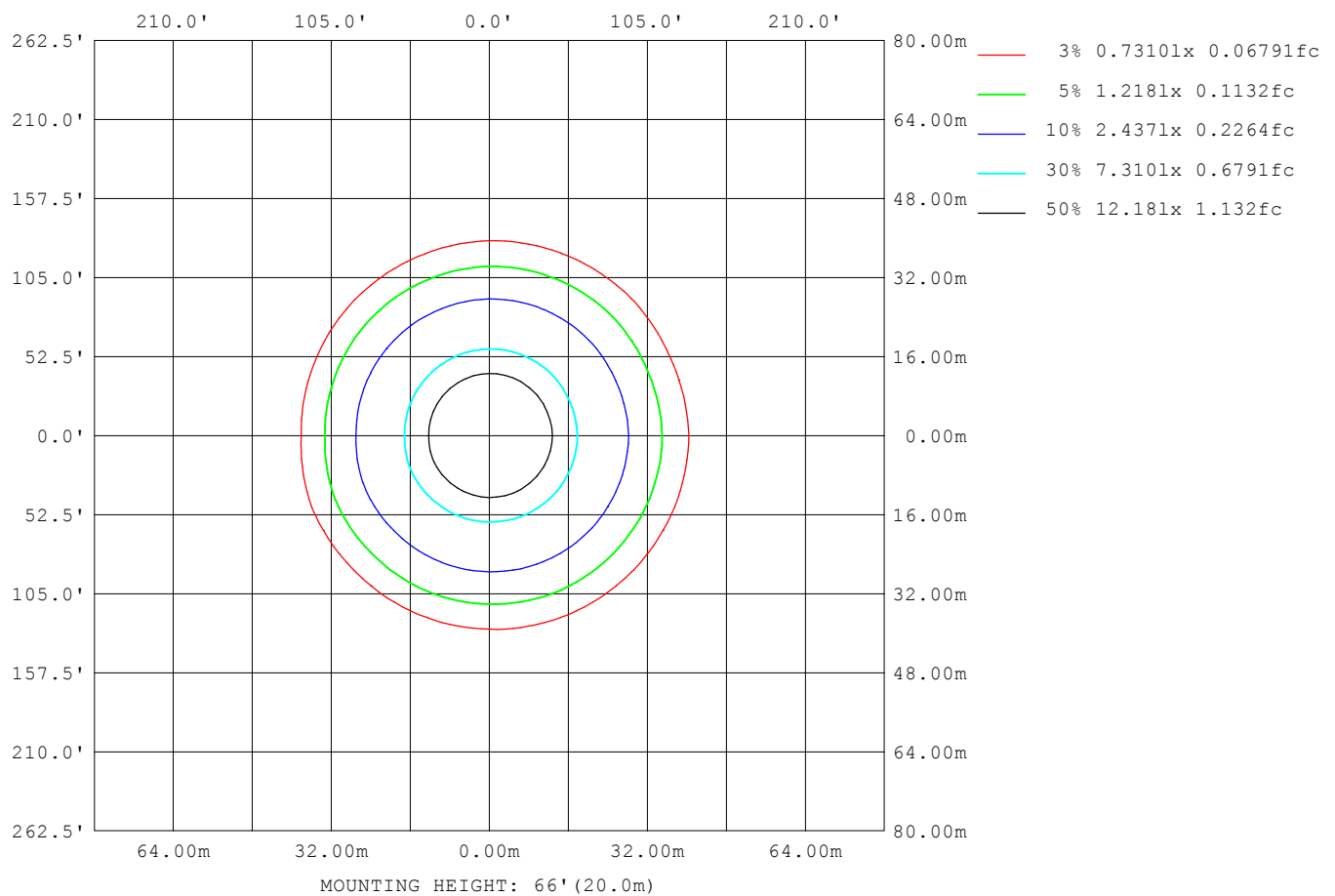
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:HL
Test Date:05 September 2025

γ Range: 0 - 90DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-3000H_V1 SYSTEM V2.00.421
Humidity:65.0%
Test Distance:9.220m [K=1.0000]
Remarks: EPC150WS2D50D120V24T

ISOLUX DIAGRAM

Test:U:119.37V I:1.2381A P:147.20W PF:0.9960 Freq:50.00Hz Lamp Flux:25223.6x1 lm		
NAME: EPC150WS2D50D120V24T	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Fanmei	SUR.:	Shielding Angle:



C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:HL
Test Date:05 September 2025

γ Range: 0 - 90DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-3000H_V1 SYSTEM V2.00.421
Humidity:65.0%
Test Distance:9.220m [K=1.0000]
Remarks: EPC150WS2D50D120V24T

LED Avg.L Report

Test:U:119.37V I:1.2381A P:147.20W PF:0.9960 Freq:50.00Hz Lamp Flux:25223.6x1 lm		
NAME: EPC150WS2D50D120V24T	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Fanmei	SUR.:	Shielding Angle:

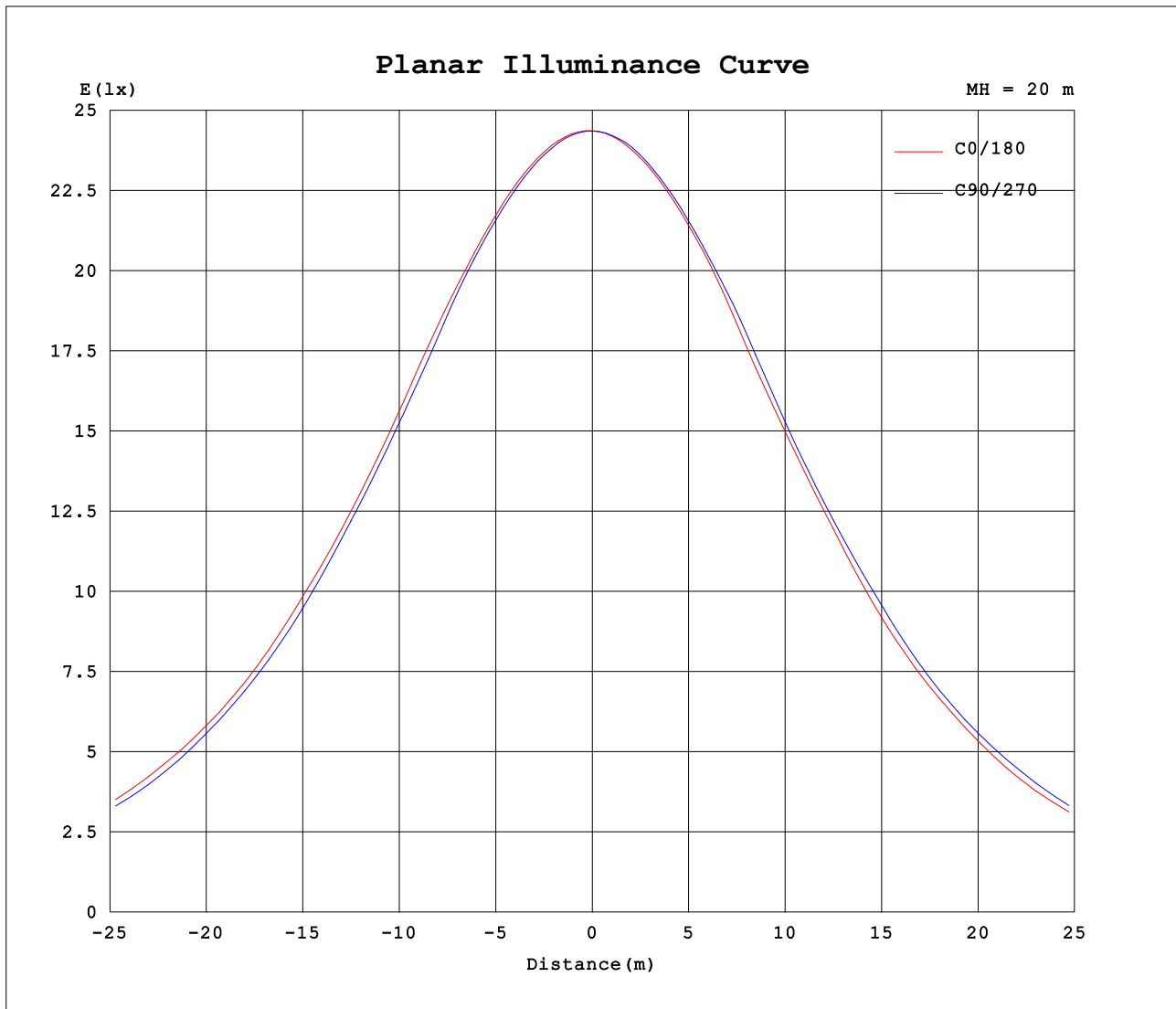
AvgL	cd/m2
L_0~180 (65) av	91610
L_0~180 (75) av	50834
L_0~180 (85) av	11630
L_90~270 (65) av	91960
L_90~270 (75) av	51005
L_90~270 (85) av	10167
L_45 (65) av	92063
L_45 (75) av	50883
L_45 (85) av	10395

Standard: GB/T 29293-2012

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:HL
Test Date:05 September 2025

γ Range: 0 - 90DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-3000H_V1 SYSTEM V2.00.421
Humidity:65.0%
Test Distance:9.220m [K=1.0000]
Remarks: EPC150WS2D50D120V24T

Planar Illuminance Curve



C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators: HL
 Test Date: 05 September 2025

γ Range: 0 - 90DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-3000H_V1 SYSTEM V2.00.421
 Humidity: 65.0%
 Test Distance: 9.220m [K=1.0000]
 Remarks: EPC150WS2D50D120V24T

```

γ Range: 0 - 90DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-3000H_V1 SYSTEM V2.00.421
Humidity:65.0%
Test Distance:9.220m [K=1.0000]
Remarks: EPC150WS2D50D120V24T

```