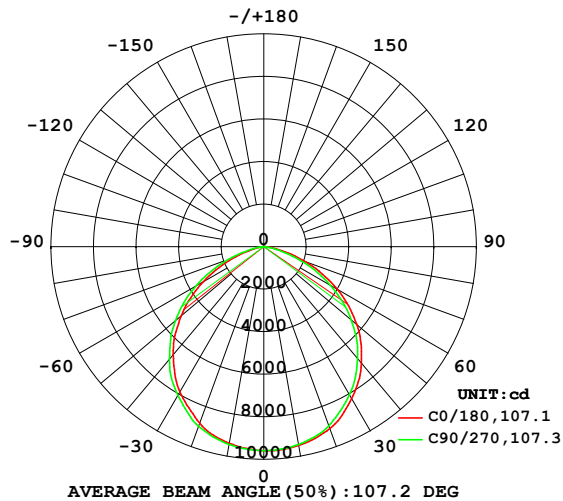


LUMINAIRE PHOTOMETRIC TEST REPORT

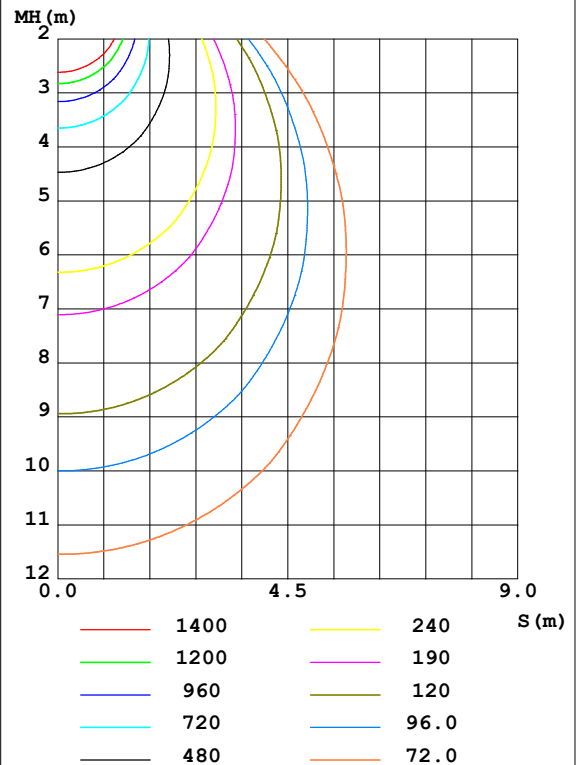
Test:U:119.38V I:1.2690A P:150.92W PF:0.9962 Freq:50.00Hz Lamp Flux:24744.2x1 lm		
NAME: EPC150WS2D40D120V24T	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Fanmei	SUR.:	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 163.96 lm/W			
MODEL	EPC150WS2D40D120V24T	I _{max} (cd)	9598	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)	24744	η UP,DN(C0-180)	0.0,50.4
NOMINAL FLUX(lm)	24744.2	CIE CLASS	DIRECT	η UP,DN(C180-360)	0.0,49.6
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: EPC150WS2D40D120V24T

ZONAL FLUX DIAGRAM

ZONAL FLUX DIAGRAM:

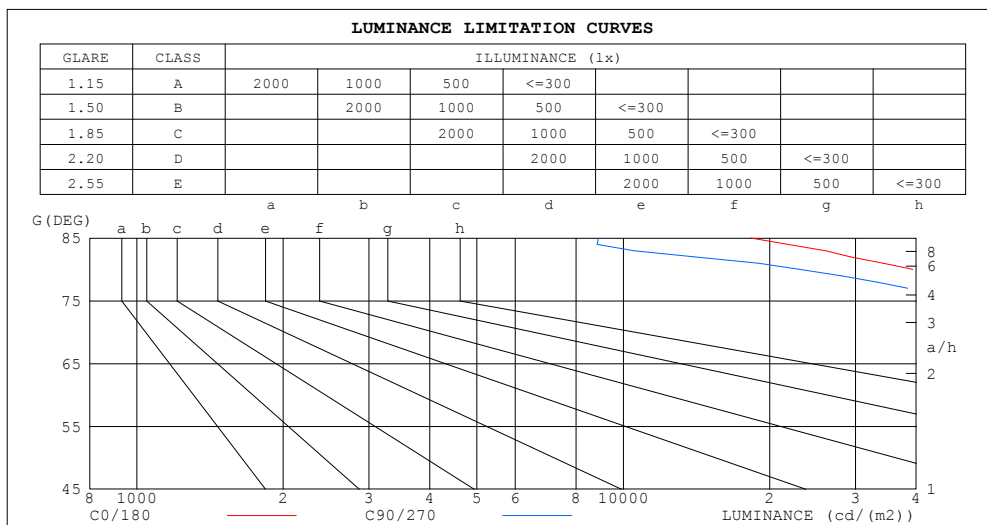
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum, lamp
10	9492	9472	9438	9412	9382	9407	9438	9465	0- 10	908.1	908.1	3.67,3.67
20	9097	9056	8966	8903	8829	8918	8989	9044	10- 20	2612	3520	14.2,14.2
30	8258	8167	8056	7987	7896	7977	8074	8162	20- 30	3939	7459	30.1,30.1
40	7146	7019	6863	6755	6622	6738	6902	7030	30- 40	4704	12163	49.2,49.2
50	5713	5554	5366	5234	5078	5229	5425	5582	40- 50	4766	16929	68.4,68.4
60	3969	3815	3609	3450	3281	3454	3655	3830	50- 60	4058	20987	84.8,84.8
70	2086	1925	1711	1557	1408	1578	1784	1953	60- 70	2657	23644	95.6,95.6
80	482.9	366.7	282.5	195.9	148.9	251.2	335.5	442.3	70- 80	998.4	24642	99.6,99.6
90	15.79	9.637	10.10	10.62	12.42	11.96	11.66	11.79	80- 90	102.1	24744	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: EPC150WS2D40D120V24T

LUMINANCE LIMITATION CURVES

Test:U:119.38V I:1.2690A P:150.92W PF:0.9962 Freq:50.00Hz Lamp Flux:24744.2x1 lm		
NAME: EPC150WS2D40D120V24T	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Fanmei	SUR.:	Shielding Angle:



LUMINANCE cd/(m2)		
G (DEG)	C0/180	C90/270
85	18289	8897
80	39383	23038
75	65286	48409
70	86392	70860
65	101471	89074
60	112405	102229
55	120357	111808
50	125869	118228
45	129569	123864

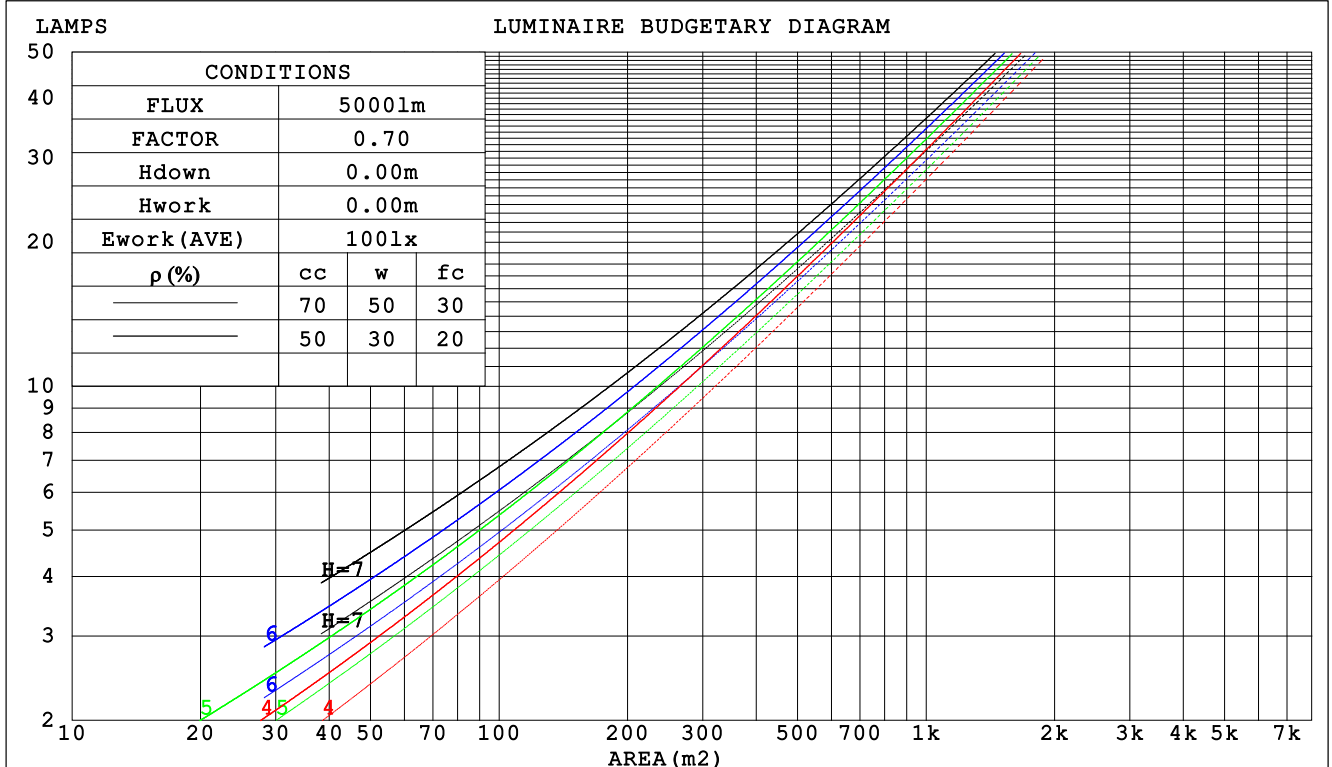
C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: HL
Test Date: 05 September 2025

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: EPC150WS2D40D120V24T

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:119.38V I:1.2690A P:150.92W PF:0.9962 Freq:50.00Hz Lamp Flux:24744.2x1 lm		
NAME: EPC150WS2D40D120V24T	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	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	1.06	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	.66	.57	.51	.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	.32	.44	.37	.31	.43	.36	.31	.42	.36	.31	.41	.35	.31	.29
10.0	.42	.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: EPC150WS2D40D120V24T

WEC AND CCEC

Test:U:119.38V I:1.2690A P:150.92W PF:0.9962 Freq:50.00Hz Lamp Flux:24744.2x1 lm					
NAME: EPC150WS2D40D120V24T			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	.249	.139	.043	.239	.134	.042	.229	.130	.041		
3.0	.252	.134	.040	.246	.132	.040	.236	.128	.039	.227	.124	.038	.218	.121	.037		
4.0	.235	.122	.036	.231	.121	.036	.222	.118	.035	.213	.115	.035	.206	.112	.034		
5.0	.220	.112	.032	.215	.111	.032	.207	.108	.032	.200	.106	.031	.193	.103	.031		
6.0	.205	.103	.029	.201	.102	.029	.194	.100	.029	.188	.098	.029	.181	.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	.171	.086	.024	.166	.084	.024	.161	.083	.024		
9.0	.169	.082	.023	.167	.081	.023	.162	.080	.023	.157	.079	.022	.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: EPC150WS2D40D120V24T

UGR(Unified Glare Rating) Table

Test:U:119.38V I:1.2690A P:150.92W PF:0.9962 Freq:50.00Hz Lamp Flux:24744.2x1 lm										
NAME: EPC150WS2D40D120V24T					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	31.1	29.9	31.3	31.5	29.3	30.8	29.6	31.0	31.2
3H	30.8	32.1	31.1	32.4	32.6	30.3	31.6	30.6	31.9	32.1
4H	31.1	32.4	31.4	32.6	32.9	30.5	31.8	30.8	32.0	32.3
6H	31.2	32.4	31.5	32.6	32.9	30.5	31.7	30.8	32.0	32.2
8H	31.2	32.3	31.5	32.6	32.9	30.5	31.6	30.8	31.9	32.2
12H	31.1	32.2	31.5	32.5	32.8	30.4	31.5	30.8	31.8	32.1
4H 2H	30.1	31.4	30.4	31.6	31.9	29.9	31.1	30.2	31.4	31.6
3H	31.4	32.5	31.7	32.8	33.1	31.0	32.1	31.3	32.4	32.7
4H	31.8	32.8	32.1	33.1	33.4	31.2	32.2	31.6	32.6	32.9
6H	31.9	32.8	32.3	33.1	33.5	31.3	32.2	31.7	32.5	32.9
8H	31.9	32.7	32.3	33.1	33.5	31.3	32.1	31.7	32.4	32.8
12H	31.9	32.6	32.3	33.0	33.4	31.2	32.0	31.6	32.3	32.7
8H 4H	31.8	32.6	32.2	33.0	33.4	31.3	32.1	31.7	32.5	32.9
6H	32.0	32.7	32.4	33.1	33.5	31.4	32.1	31.8	32.5	32.9
8H	32.0	32.6	32.5	33.0	33.5	31.4	32.0	31.8	32.4	32.9
12H	32.0	32.5	32.5	32.9	33.4	31.4	31.9	31.8	32.3	32.8
12H 4H	31.8	32.5	32.2	32.9	33.3	31.3	32.0	31.7	32.4	32.8
6H	32.0	32.6	32.4	33.0	33.4	31.4	32.0	31.8	32.4	32.8
8H	32.0	32.5	32.5	32.9	33.4	31.4	31.9	31.8	32.3	32.8
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 / - 0.4					+ 0.4 / - 0.5				

CIE Pub.117, 24744 lm Total Lamp Luminous Flux Corrected (8log(F/F0) = 11.1)
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: EPC150WS2D40D120V24T

UTILIZATION FACTORS TABLE

Test:U:119.38V I:1.2690A P:150.92W PF:0.9962 Freq:50.00Hz Lamp Flux:24744.2x1 lm		
NAME: EPC150WS2D40D120V24T	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Fanmei	SUR.:	Shielding Angle:

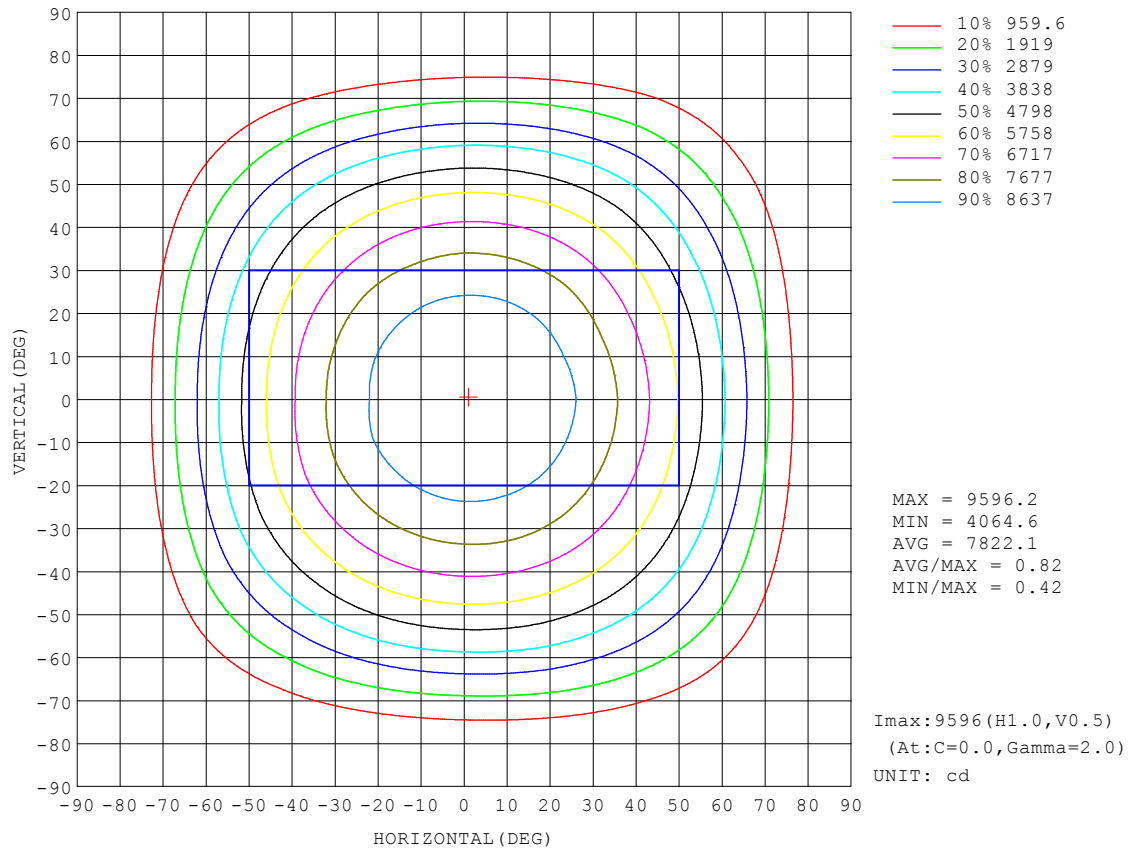
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS (PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	60	49	42	59	48	42	58	48	42	35
0.80	70	59	52	69	59	52	67	58	51	45
1.00	79	68	61	78	68	61	75	69	61	54
1.25	86	76	70	85	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	82	74
2.50	101	94	89	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: EPC150WS2D40D120V24T

ISOCANDELA DIAGRAM

Test:U:119.38V I:1.2690A P:150.92W PF:0.9962 Freq:50.00Hz Lamp Flux:24744.2x1 lm		
NAME: EPC150WS2D40D120V24T	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Fanmei	SUR.:	Shielding Angle:

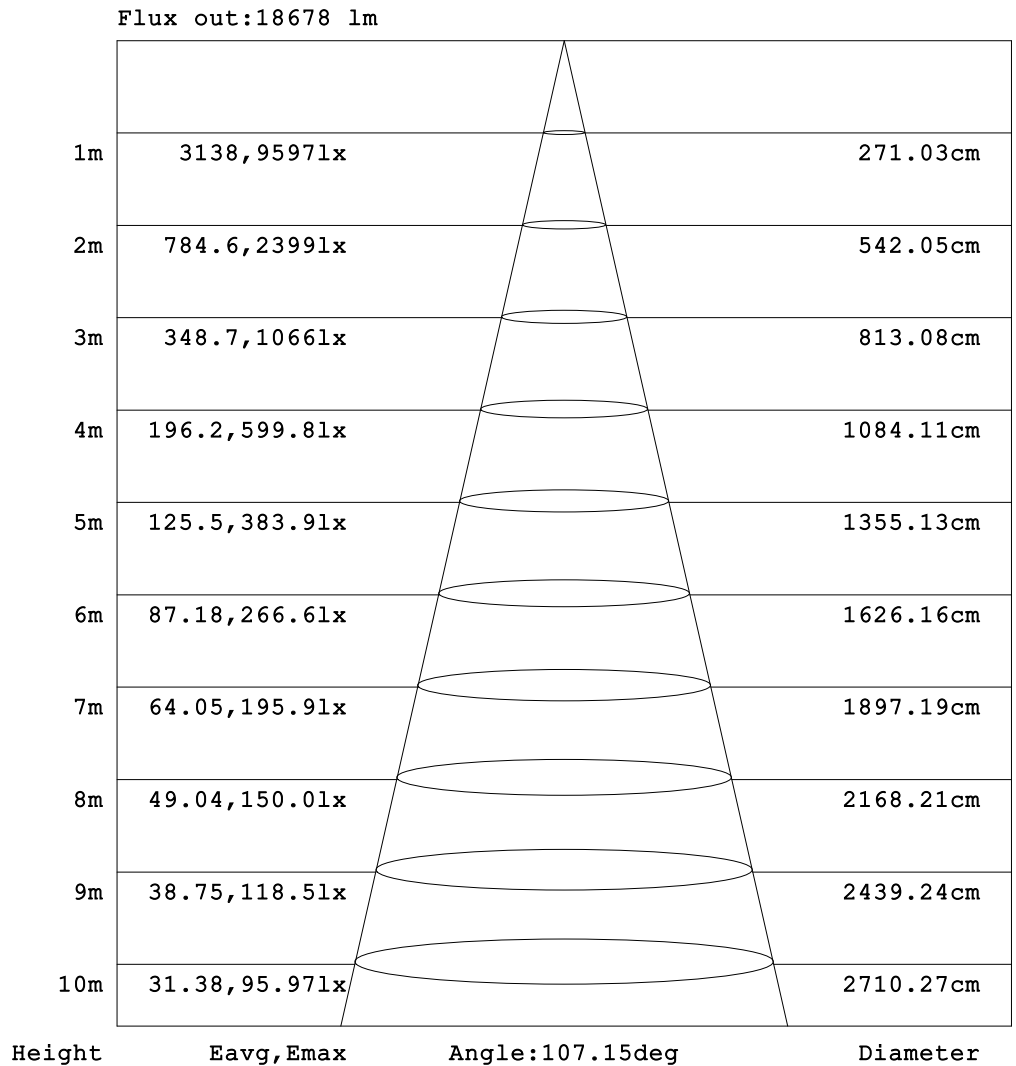


C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:HL
Test Date:05 September 2025

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: EPC150WS2D40D120V24T

AAI Figure

Test:U:119.38V I:1.2690A P:150.92W PF:0.9962 Freq:50.00Hz Lamp Flux:24744.2x1 lm		
NAME: EPC150WS2D40D120V24T	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Fanmei	SUR.:	Shielding Angle:



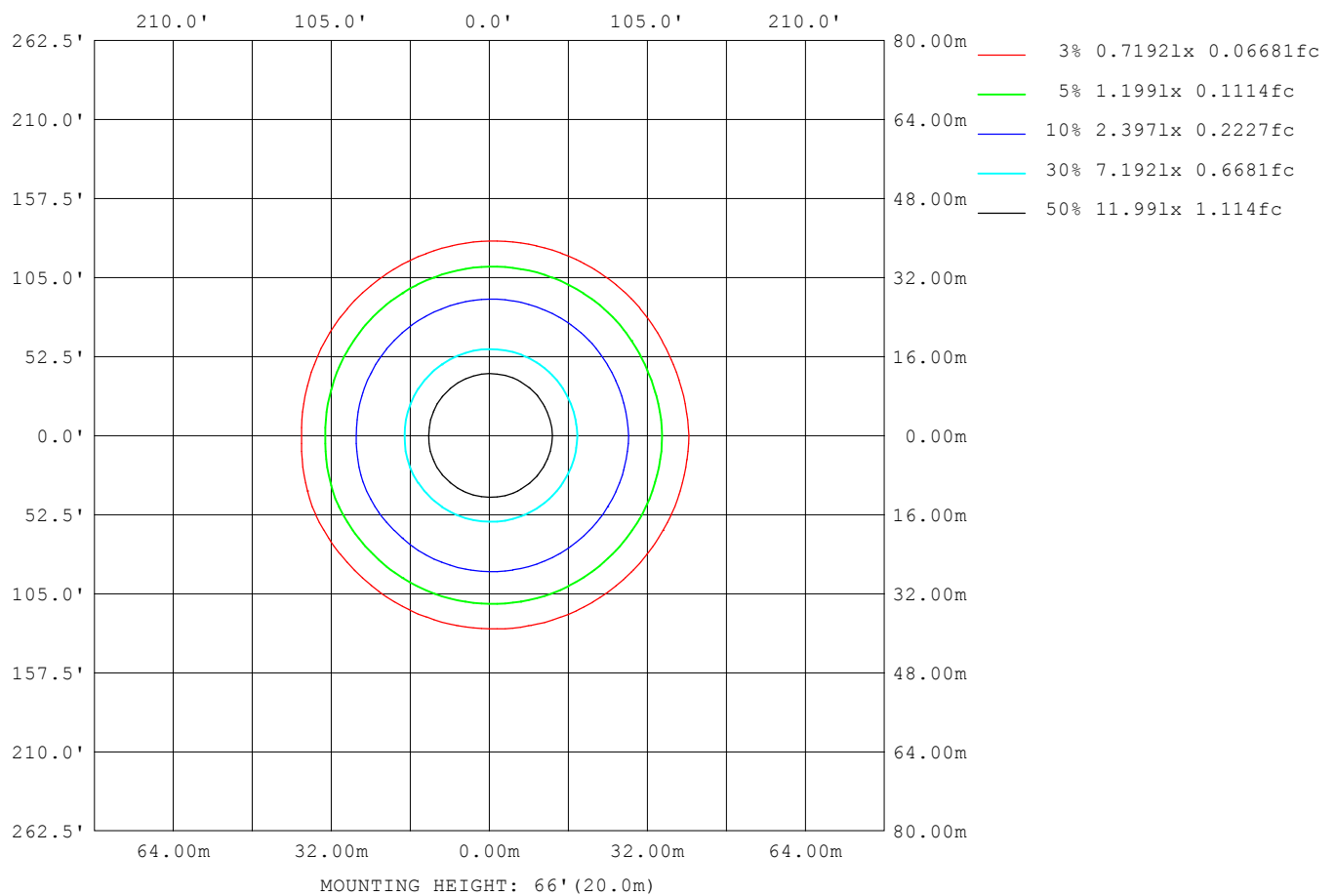
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

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: EPC150WS2D40D120V24T

ISOLUX DIAGRAM

Test:U:119.38V I:1.2690A P:150.92W PF:0.9962 Freq:50.00Hz Lamp Flux:24744.2x1 lm		
NAME: EPC150WS2D40D120V24T	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: EPC150WS2D40D120V24T

LED Avg.L Report

Test:U:119.38V I:1.2690A P:150.92W PF:0.9962 Freq:50.00Hz Lamp Flux:24744.2x1 lm		
NAME: EPC150WS2D40D120V24T	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Fanmei	SUR.:	Shielding Angle:

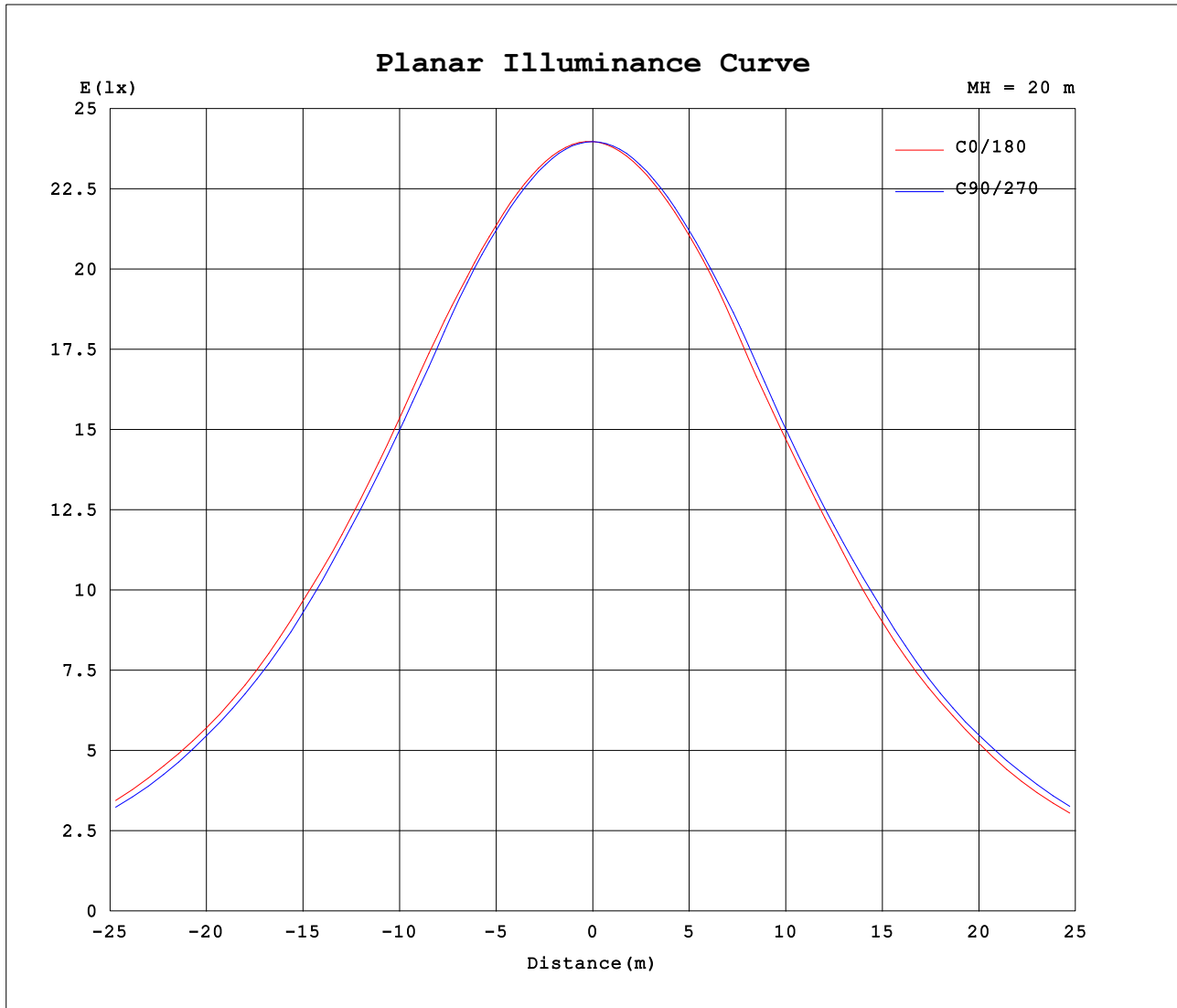
AvgL	cd/m2
L_0~180 (65) av	89636
L_0~180 (75) av	49898
L_0~180 (85) av	11466
L_90~270 (65) av	90002
L_90~270 (75) av	49739
L_90~270 (85) av	9892
L_45 (65) av	90132
L_45 (75) av	49769
L_45 (85) av	10141

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: EPC150WS2D40D120V24T

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: EPC150WS2D40D120V24T

```

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: EPC150WS2D40D120V24T

```