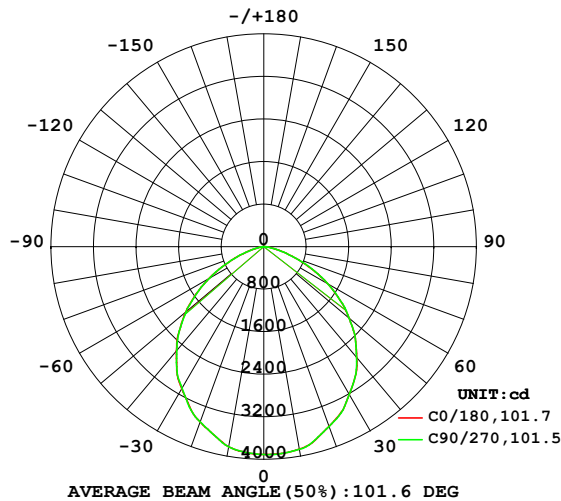


LUMINAIRE PHOTOMETRIC TEST REPORT

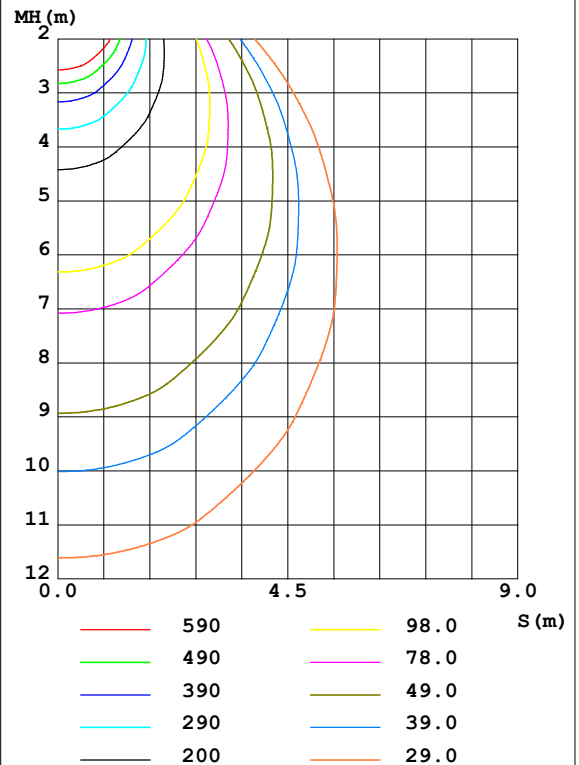
Test:U:119.48V I:0.5156A P:60.924W PF:0.9889 Freq:50.00Hz Lamp Flux:9299.47x1 lm					
NAME: EPC60WS1D50D120V15T		TYPE:		WEIGHT:	
SPEC.:		DIM.:		SERIAL No.:	
MFR.: Fanmei		SUR.:		Shielding Angle:	

DATA OF LAMP		PHOTOMETRIC DATA				Eff: 152.64 lm/W
MODEL	EPC60WS1D50D120V15T	Imax(cd)	3912	S/MH(C0/180)	1.18	
NOMINAL POWER(W)	60	LOR(%)	100.0	S/MH(C90/270)	1.18	
RATED VOLTAGE(V)	120	TOTAL FLUX(lm)	9299.5	η UP,DN(C0-180)	0.0,52.1	
NOMINAL FLUX(lm)	9299.47	CIE CLASS	DIRECT	η UP,DN(C180-360)	0.0,47.9	
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:18 December 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: EPC60WS1D50D120V15T

ZONAL FLUX DIAGRAM

ZONAL FLUX DIAGRAM:

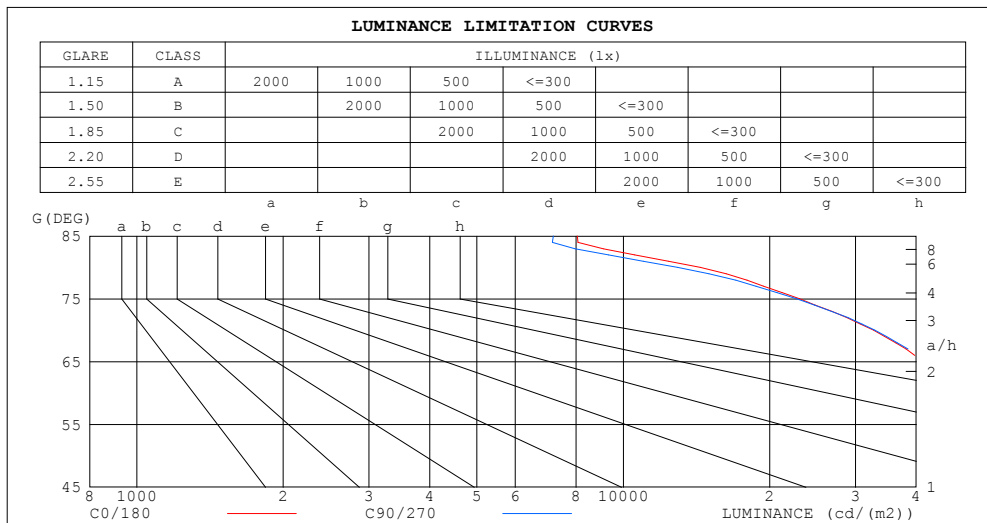
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum, lamp
10	3866	3873	3870	3861	3821	3819	3823	3834	0- 10	370.2	370.2	3.98,3.98
20	3595	3607	3598	3578	3508	3499	3506	3525	10- 20	1046	1416	15.2,15.2
30	3213	3237	3212	3193	3087	3080	3078	3108	20- 30	1554	2971	31.9,31.9
40	2721	2742	2716	2687	2556	2545	2549	2578	30- 40	1822	4793	51.5,51.5
50	2098	2113	2100	2052	1923	1894	1910	1931	40- 50	1799	6591	70.9,70.9
60	1379	1383	1385	1317	1176	1146	1171	1189	50- 60	1465	8057	86.6,86.6
70	637.1	661.8	641.3	599.7	470.1	473.4	474.3	495.9	60- 70	891.8	8948	96.2,96.2
80	142.6	140.7	128.0	116.8	58.99	64.52	69.59	74.14	70- 80	312.9	9261	99.6,99.6
90	4.056	3.655	3.270	3.246	4.411	4.373	4.274	4.189	80- 90	38.14	9299	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:18 December 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: EPC60WS1D50D120V15T

LUMINANCE LIMITATION CURVES

Test:U:119.48V I:0.5156A P:60.924W PF:0.9889 Freq:50.00Hz Lamp Flux:9299.47x1 lm		
NAME: EPC60WS1D50D120V15T	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Fanmei	SUR.:	Shielding Angle:



LUMINANCE cd/(m2)		
G (DEG)	C0/180	C90/270
85	8052	7182
80	14407	12929
75	23040	22725
70	32674	32892
65	41304	41753
60	48360	48585
55	53659	53626
50	57243	57301
45	60436	60486

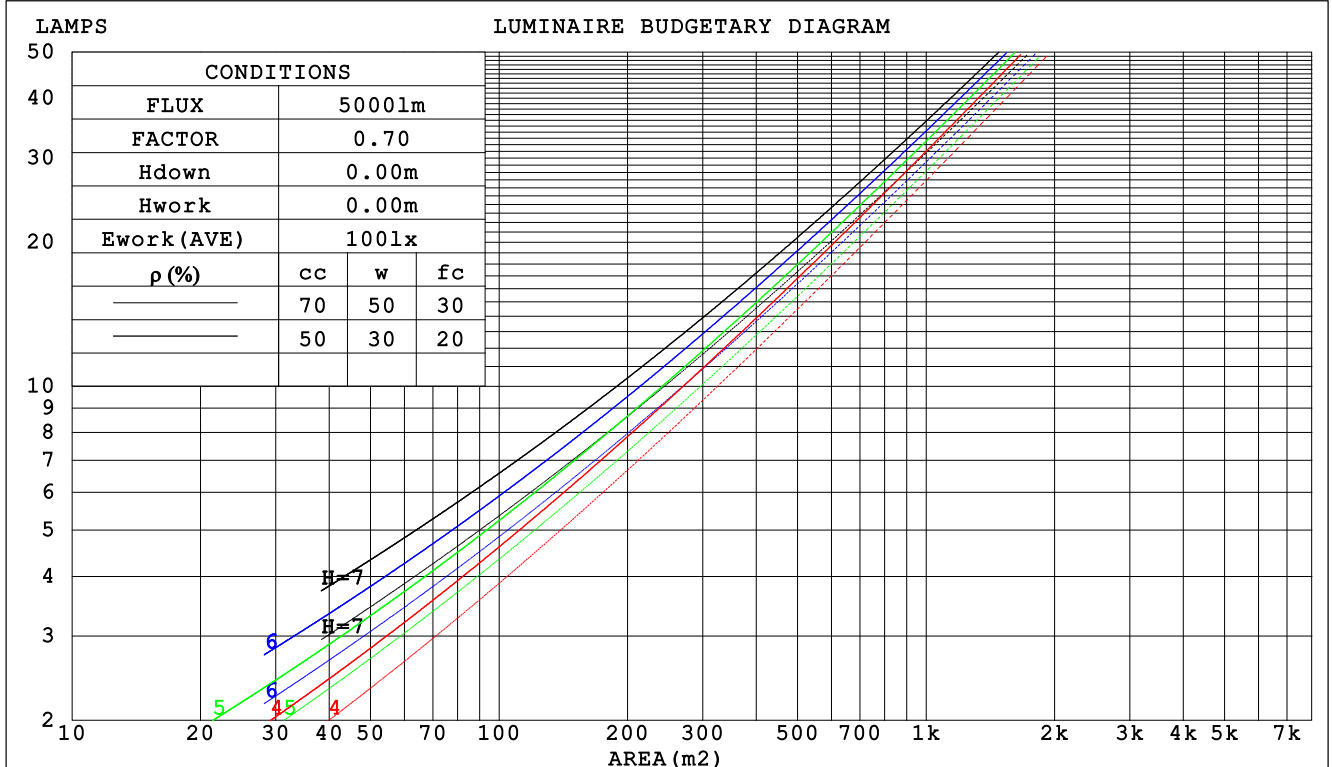
C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: HL
Test Date: 18 December 2025

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: EPC60WS1D50D120V15T

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:119.48V I:0.5156A P:60.924W PF:0.9889 Freq:50.00Hz Lamp Flux:9299.47x1 lm		
NAME: EPC60WS1D50D120V15T	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	.99	1.04	1.01	.97	.90	.97	.94	.96	.94	.92	.92	.90	.89	.87
2.0	.94	.88	.83	.92	.86	.82	.88	.84	.80	.85	.81	.78	.82	.79	.76	.74
3.0	.83	.76	.70	.82	.75	.69	.79	.73	.68	.76	.71	.67	.74	.69	.66	.64
4.0	.74	.66	.60	.73	.65	.59	.71	.64	.59	.68	.63	.58	.66	.61	.57	.55
5.0	.67	.58	.52	.66	.58	.52	.64	.57	.51	.62	.55	.51	.60	.54	.50	.48
6.0	.60	.52	.46	.59	.51	.46	.58	.50	.45	.56	.50	.45	.54	.49	.44	.42
7.0	.55	.46	.41	.54	.46	.40	.53	.45	.40	.51	.45	.40	.50	.44	.40	.38
8.0	.50	.42	.36	.49	.42	.36	.48	.41	.36	.47	.41	.36	.46	.40	.36	.34
9.0	.46	.38	.33	.46	.38	.33	.44	.37	.33	.43	.37	.32	.42	.37	.32	.31
10.0	.43	.35	.30	.42	.35	.30	.41	.34	.30	.40	.34	.30	.39	.34	.29	.28



C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators: HL
 Test Date: 18 December 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: EPC60WS1D50D120V15T

WEC AND CCEC

Test:U:119.48V I:0.5156A P:60.924W PF:0.9889 Freq:50.00Hz Lamp Flux:9299.47x1 lm					
NAME: EPC60WS1D50D120V15T			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	.267	.152	.048	.260	.148	.047	.247	.142	.045	.235	.136	.043	.224	.130	.042		
2.0	.260	.142	.044	.253	.140	.043	.242	.135	.042	.232	.130	.041	.222	.125	.040		
3.0	.245	.131	.039	.240	.129	.039	.230	.125	.038	.221	.121	.037	.212	.117	.036		
4.0	.230	.120	.035	.225	.118	.035	.216	.115	.034	.208	.112	.034	.200	.109	.033		
5.0	.215	.110	.032	.211	.108	.032	.203	.106	.031	.196	.103	.031	.189	.101	.030		
6.0	.201	.101	.029	.198	.100	.029	.191	.098	.028	.184	.096	.028	.178	.094	.028		
7.0	.189	.093	.026	.185	.092	.026	.179	.091	.026	.173	.089	.026	.168	.087	.026		
8.0	.177	.087	.024	.174	.086	.024	.169	.084	.024	.163	.083	.024	.158	.081	.024		
9.0	.167	.081	.023	.164	.080	.022	.159	.079	.022	.154	.077	.022	.150	.076	.022		
10.0	.158	.076	.021	.155	.075	.021	.151	.074	.021	.146	.073	.021	.142	.072	.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	.177	.157	.138	.152	.134	.119	.104	.092	.082	.060	.053	.048	.019	.017	.015	
2.0	.168	.132	.102	.144	.114	.088	.099	.079	.061	.057	.046	.036	.018	.015	.012	
3.0	.160	.114	.078	.137	.098	.067	.094	.068	.047	.054	.040	.028	.017	.013	.009	
4.0	.152	.101	.061	.131	.087	.053	.090	.061	.037	.052	.035	.022	.017	.012	.007	
5.0	.145	.090	.049	.124	.078	.043	.086	.054	.030	.050	.032	.018	.016	.010	.006	
6.0	.138	.082	.041	.119	.071	.036	.082	.049	.025	.048	.029	.015	.015	.010	.005	
7.0	.132	.075	.035	.113	.065	.030	.078	.045	.021	.045	.027	.013	.015	.009	.004	
8.0	.126	.069	.030	.108	.060	.026	.075	.042	.018	.043	.025	.011	.014	.008	.004	
9.0	.120	.064	.026	.103	.055	.023	.071	.039	.016	.042	.023	.010	.013	.008	.003	
10.0	.114	.060	.023	.099	.052	.020	.068	.036	.014	.040	.022	.009	.013	.007	.003	

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:HL
Test Date:18 December 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: EPC60WS1D50D120V15T

UGR(Unified Glare Rating) Table

Test:U:119.48V I:0.5156A P:60.924W PF:0.9889 Freq:50.00Hz Lamp Flux:9299.47x1 lm										
NAME: EPC60WS1D50D120V15T					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	26.8	28.2	27.0	28.4	28.6	26.8	28.2	27.1	28.4	28.6
3H	27.7	29.0	28.0	29.2	29.4	27.7	29.0	28.0	29.2	29.5
4H	27.9	29.1	28.2	29.4	29.6	27.9	29.1	28.2	29.4	29.6
6H	27.9	29.1	28.2	29.3	29.6	27.9	29.1	28.2	29.4	29.6
8H	27.9	29.0	28.2	29.3	29.6	27.9	29.0	28.2	29.3	29.6
12H	27.8	28.9	28.2	29.2	29.5	27.8	28.9	28.2	29.2	29.5
4H 2H	27.2	28.5	27.5	28.7	29.0	27.2	28.5	27.5	28.7	29.0
3H	28.3	29.3	28.6	29.6	29.9	28.3	29.4	28.6	29.6	29.9
4H	28.5	29.5	28.9	29.8	30.1	28.5	29.5	28.9	29.8	30.2
6H	28.6	29.5	29.0	29.8	30.2	28.6	29.5	29.0	29.8	30.2
8H	28.6	29.4	29.0	29.8	30.1	28.6	29.4	29.0	29.8	30.1
12H	28.6	29.3	29.0	29.7	30.1	28.6	29.3	29.0	29.7	30.1
8H 4H	28.6	29.4	29.0	29.7	30.1	28.6	29.4	29.0	29.8	30.1
6H	28.7	29.4	29.2	29.8	30.2	28.7	29.4	29.2	29.8	30.2
8H	28.7	29.3	29.2	29.7	30.2	28.7	29.3	29.2	29.7	30.2
12H	28.7	29.2	29.2	29.7	30.1	28.7	29.2	29.2	29.6	30.1
12H 4H	28.5	29.3	29.0	29.7	30.1	28.6	29.3	29.0	29.7	30.1
6H	28.7	29.3	29.2	29.7	30.1	28.7	29.3	29.2	29.7	30.1
8H	28.7	29.2	29.2	29.6	30.1	28.7	29.2	29.2	29.6	30.1
Variations with the observer position at spacings:										
S = 1.0H	+ 0.3 / - 0.4					+ 0.3 / - 0.4				
1.5H	+ 0.2 / - 0.5					+ 0.3 / - 0.5				
2.0H	+ 0.5 / - 0.5					+ 0.5 / - 0.5				

CIE Pub.117, 9299 lm Total Lamp Luminous Flux Corrected ($8\log(F/F_0) = 7.7$)
Area: 0.057 m²

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:HL
Test Date:18 December 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: EPC60WS1D50D120V15T

UTILIZATION FACTORS TABLE

Test:U:119.48V I:0.5156A P:60.924W PF:0.9889 Freq:50.00Hz Lamp Flux:9299.47x1 lm		
NAME: EPC60WS1D50D120V15T	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Fanmei	SUR.:	Shielding Angle:

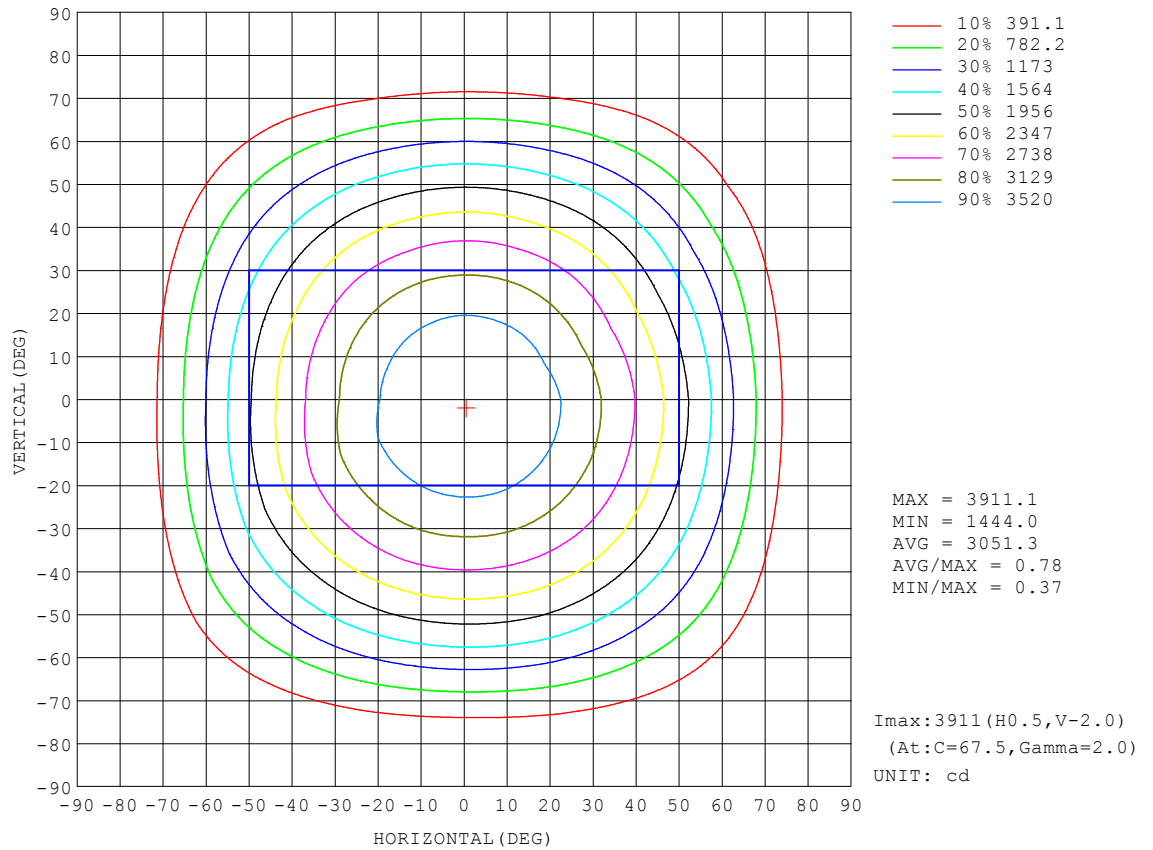
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS (PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	61	50	44	60	50	43	59	49	43	37
0.80	71	61	54	71	60	54	69	60	53	47
1.00	80	70	63	79	69	63	77	71	62	56
1.25	87	78	71	86	77	71	83	76	70	63
1.50	92	83	77	90	82	76	87	80	75	68
2.00	98	91	85	97	90	84	93	87	83	76
2.50	102	95	90	100	94	89	96	91	87	79
3.00	105	99	94	103	97	93	99	94	91	83
4.00	108	103	99	106	102	98	102	98	95	87
5.00	110	106	103	108	104	101	104	101	98	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: 18 December 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: EPC60WS1D50D120V15T

ISOCANDELA DIAGRAM

Test:U:119.48V I:0.5156A P:60.924W PF:0.9889 Freq:50.00Hz Lamp Flux:9299.47x1 lm		
NAME: EPC60WS1D50D120V15T	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Fanmei	SUR.:	Shielding Angle:

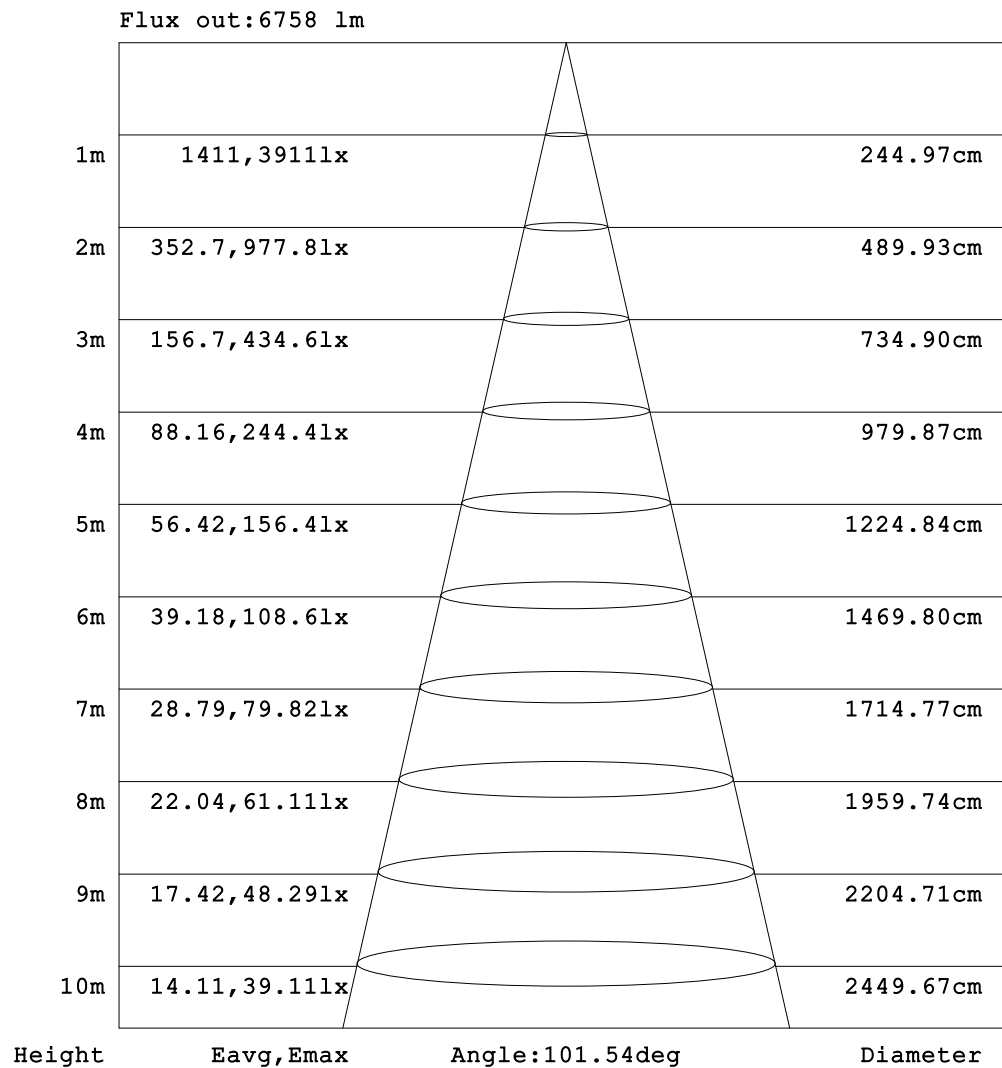


C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:HL
Test Date:18 December 2025

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: EPC60WS1D50D120V15T

AAI Figure

Test:U:119.48V I:0.5156A P:60.924W PF:0.9889 Freq:50.00Hz Lamp Flux:9299.47x1 lm		
NAME: EPC60WS1D50D120V15T	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Fanmei	SUR.:	Shielding Angle:



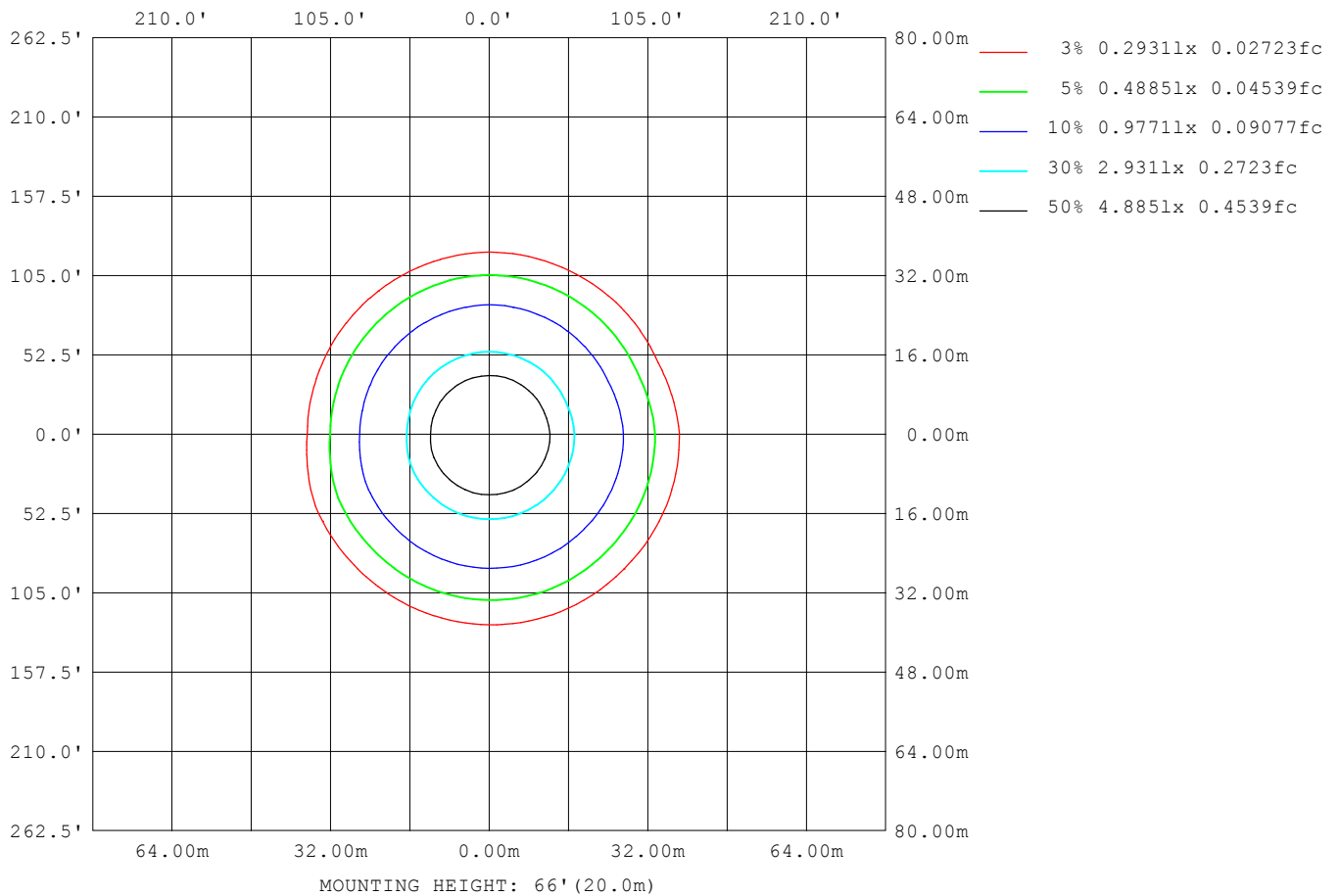
Note: The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators: HL
 Test Date: 18 December 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: EPC60WS1D50D120V15T

ISOLUX DIAGRAM

Test:U:119.48V I:0.5156A P:60.924W PF:0.9889 Freq:50.00Hz Lamp Flux:9299.47x1 lm		
NAME: EPC60WS1D50D120V15T	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:18 December 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: EPC60WS1D50D120V15T

LED Avg.L Report

Test:U:119.48V I:0.5156A P:60.924W PF:0.9889 Freq:50.00Hz Lamp Flux:9299.47x1 lm		
NAME: EPC60WS1D50D120V15T	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Fanmei	SUR.:	Shielding Angle:

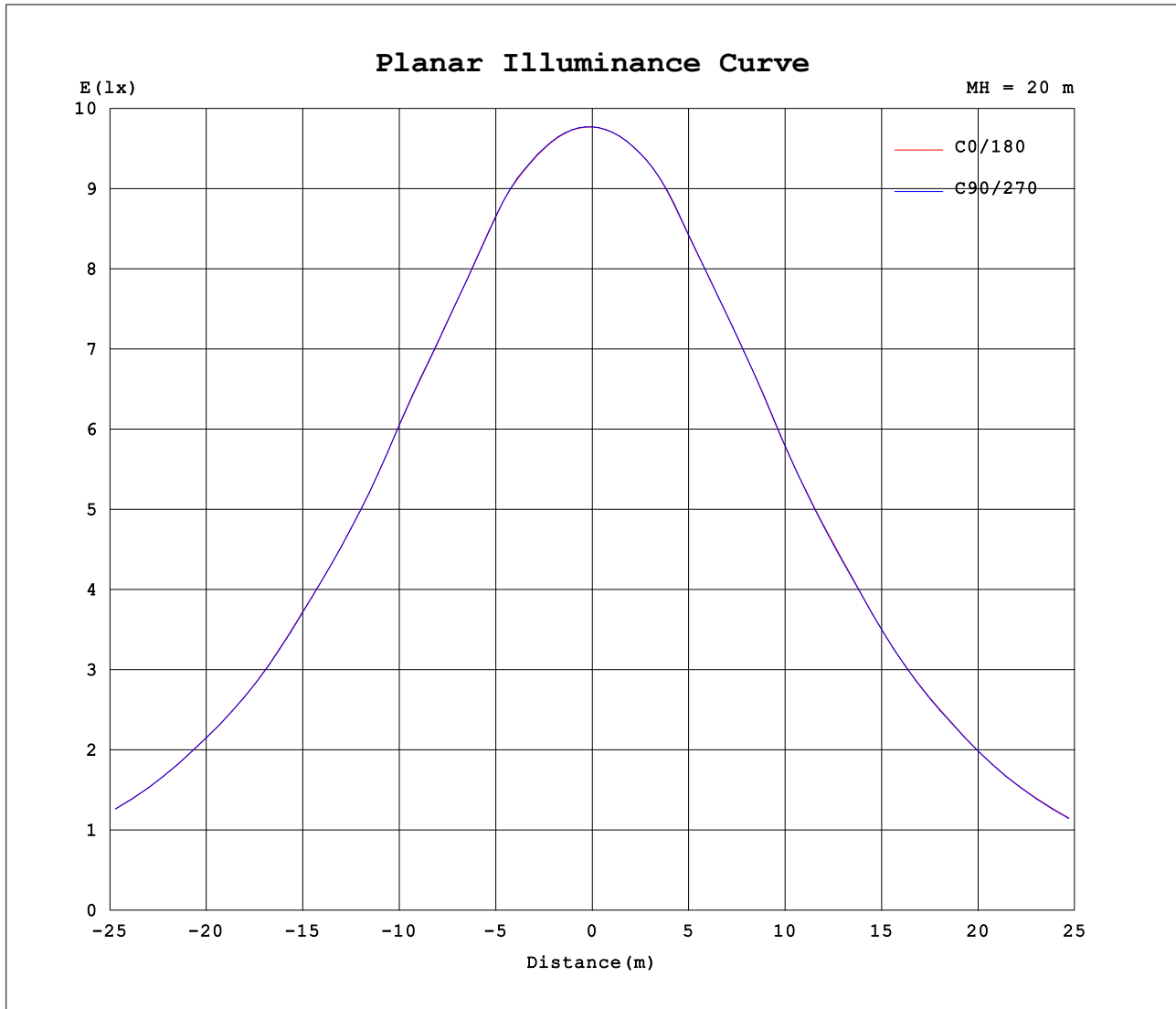
AvgL	cd/m2
L_0~180 (65) av	37284
L_0~180 (75) av	18929
L_0~180 (85) av	5886
L_90~270 (65) av	37547
L_90~270 (75) av	18973
L_90~270 (85) av	5855
L_45 (65) av	37130
L_45 (75) av	19309
L_45 (85) av	5959

Standard: GB/T 29293-2012

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:HL
Test Date:18 December 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: EPC60WS1D50D120V15T

Planar Illuminance Curve



C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators: HL
 Test Date: 18 December 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: EPC60WS1D50D120V15T

```

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: EPC60WS1D50D120V15T

```