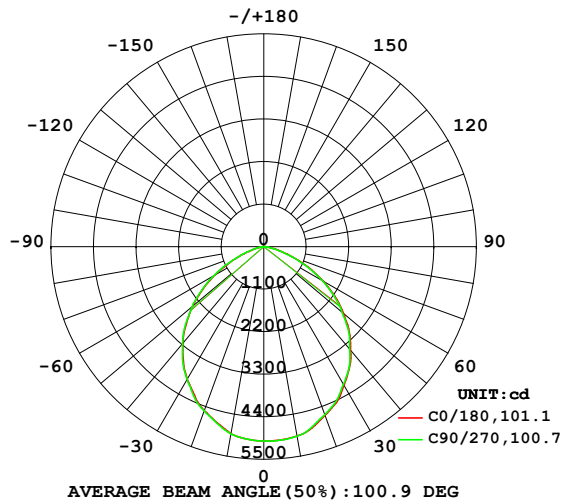


LUMINAIRE PHOTOMETRIC TEST REPORT

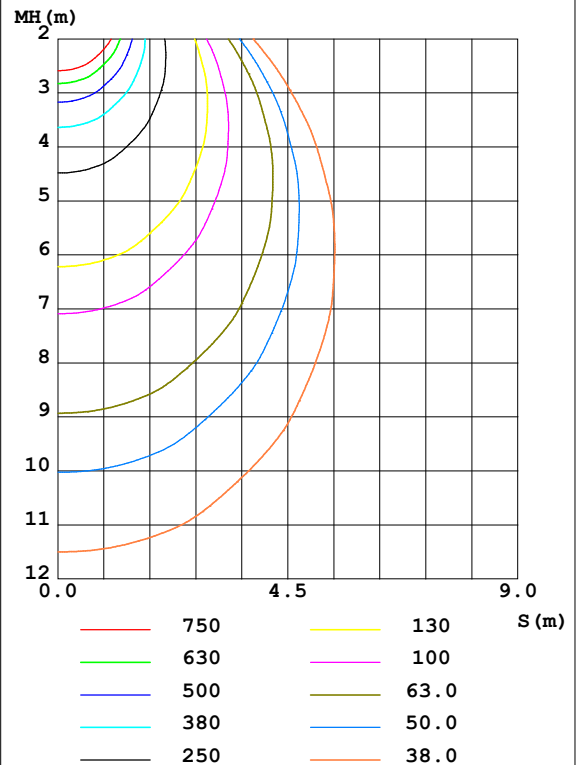
Test:U:119.59V I:0.7021A P:83.440W PF:0.9937 Freq:50.00Hz Lamp Flux:11845.7x1 lm		
NAME: EPC80WS1D65D120V15T	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Fanmei	SUR.:	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 141.97 lm/W			
MODEL	EPC80WS1D65D120V15T	I _{max} (cd)	5029	S/MH(C0/180)	1.18
NOMINAL POWER(W)	80	LOR(%)	100.0	S/MH(C90/270)	1.18
RATED VOLTAGE(V)	120	TOTAL FLUX(lm)	11846	η UP,DN(C0-180)	0.0,52.1
NOMINAL FLUX(lm)	11845.7	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: EPC80WS1D65D120V15T

ZONAL FLUX DIAGRAM

ZONAL FLUX DIAGRAM:

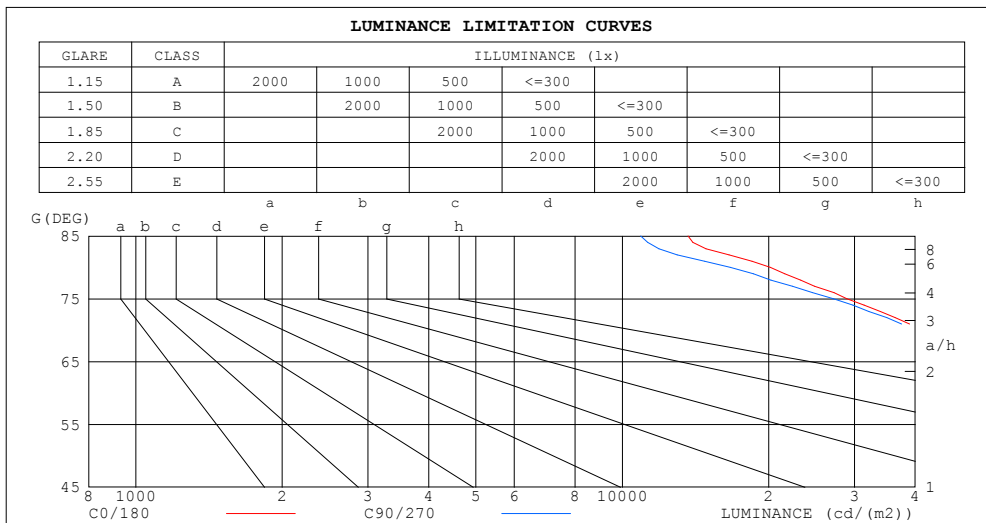
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum,lamp
10	4970	4978	4976	4959	4906	4901	4916	4934	0- 10	475.9	475.9	4.02,4.02
20	4639	4641	4620	4586	4507	4504	4520	4558	10- 20	1346	1822	15.4,15.4
30	4147	4159	4118	4084	3956	3948	3968	4011	20- 30	1999	3820	32.2,32.2
40	3500	3513	3460	3411	3262	3242	3269	3320	30- 40	2335	6155	52,52
50	2689	2688	2656	2582	2418	2388	2428	2470	40- 50	2292	8447	71.3,71.3
60	1760	1754	1733	1648	1443	1426	1465	1512	50- 60	1851	10298	86.9,86.9
70	806.2	821.4	783.1	716.4	543.2	554.4	579.0	624.7	60- 70	1108	11407	96.3,96.3
80	199.6	192.3	165.2	142.2	81.85	94.33	100.6	121.7	70- 80	384.0	11790	99.5,99.5
90	6.978	5.060	4.148	4.205	5.724	5.596	5.447	5.217	80- 90	55.25	11846	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: EPC80WS1D65D120V15T

LUMINANCE LIMITATION CURVES

Test:U:119.59V I:0.7021A P:83.440W PF:0.9937 Freq:50.00Hz Lamp Flux:11845.7x1 lm		
NAME: EPC80WS1D65D120V15T	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Fanmei	SUR.:	Shielding Angle:



LUMINANCE cd/(m2)		
G (DEG)	C0/180	C90/270
85	13642	10910
80	20160	16682
75	28958	27169
70	41349	40147
65	52655	51728
60	61743	60775
55	68649	67602
50	73390	72441
45	77682	77110

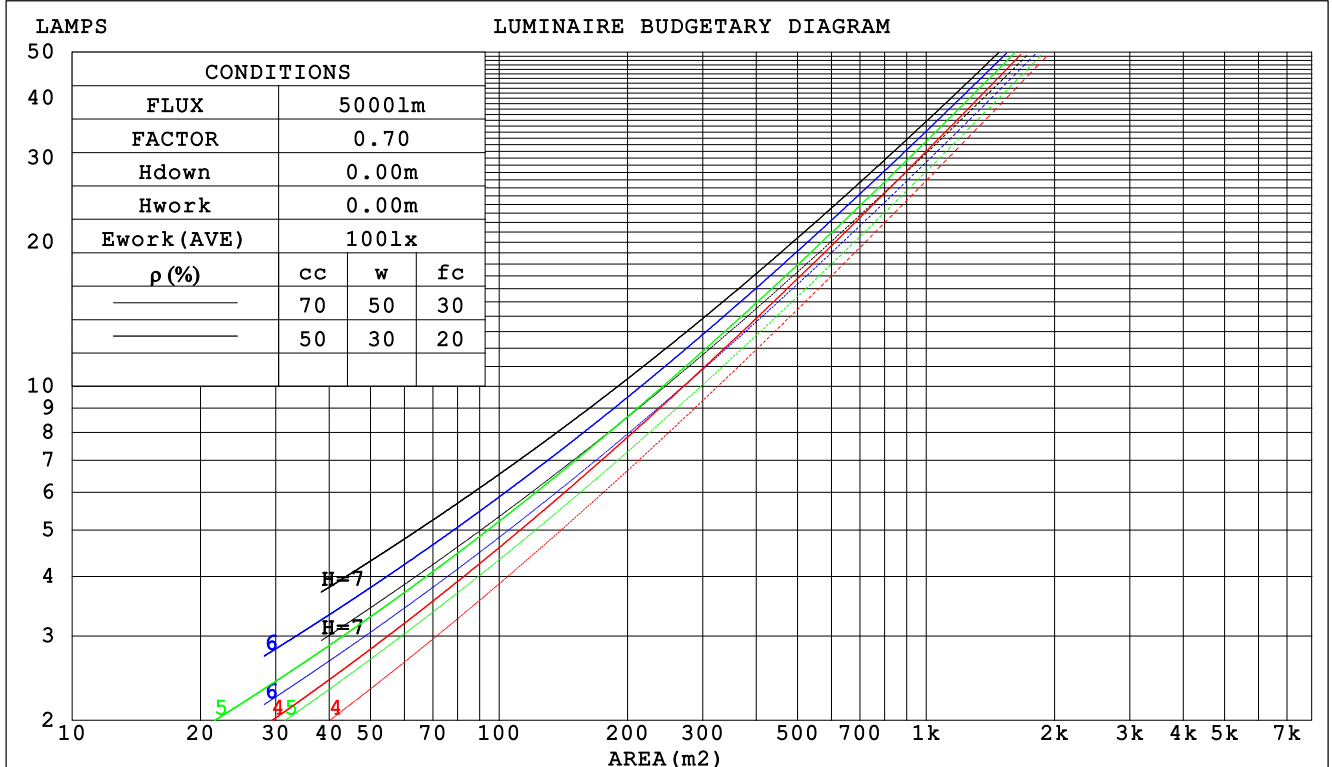
C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: HL
Test Date: 18 December 2025

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: EPC80WS1D65D120V15T

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:119.59V I:0.7021A P:83.440W PF:0.9937 Freq:50.00Hz Lamp Flux:11845.7x1 lm		
NAME: EPC80WS1D65D120V15T	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	.98	.90	.97	.94	.96	.94	.92	.92	.91	.89	.87
2.0	.94	.88	.83	.92	.86	.82	.89	.84	.80	.85	.81	.78	.82	.79	.76	.74
3.0	.83	.76	.70	.82	.75	.69	.79	.73	.68	.76	.71	.67	.74	.70	.66	.64
4.0	.74	.66	.60	.73	.66	.60	.71	.64	.59	.68	.63	.58	.66	.61	.57	.55
5.0	.67	.58	.52	.66	.58	.52	.64	.57	.51	.62	.56	.51	.60	.55	.50	.48
6.0	.60	.52	.46	.60	.52	.46	.58	.51	.45	.56	.50	.45	.55	.49	.45	.43
7.0	.55	.47	.41	.54	.46	.41	.53	.46	.40	.51	.45	.40	.50	.44	.40	.38
8.0	.50	.42	.37	.50	.42	.36	.48	.41	.36	.47	.41	.36	.46	.40	.36	.34
9.0	.46	.38	.33	.46	.38	.33	.45	.38	.33	.44	.37	.33	.43	.37	.32	.31
10.0	.43	.35	.30	.42	.35	.30	.41	.35	.30	.40	.34	.30	.40	.34	.30	.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: EPC80WS1D65D120V15T

WEC AND CCEC

Test:U:119.59V I:0.7021A P:83.440W PF:0.9937 Freq:50.00Hz Lamp Flux:11845.7x1 lm					
NAME: EPC80WS1D65D120V15T			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	.266	.151	.048	.259	.148	.047	.246	.141	.045	.234	.135	.043	.223	.129	.042		
2.0	.258	.142	.043	.252	.139	.043	.241	.134	.042	.230	.129	.040	.221	.125	.039		
3.0	.244	.130	.039	.239	.128	.039	.229	.124	.038	.220	.120	.037	.211	.117	.036		
4.0	.229	.119	.035	.224	.117	.035	.215	.114	.034	.207	.111	.034	.200	.108	.033		
5.0	.214	.109	.032	.210	.108	.031	.202	.105	.031	.195	.103	.031	.188	.101	.030		
6.0	.201	.101	.029	.197	.100	.029	.190	.097	.028	.183	.095	.028	.177	.093	.028		
7.0	.188	.093	.026	.185	.092	.026	.179	.090	.026	.173	.089	.026	.167	.087	.026		
8.0	.177	.086	.024	.174	.086	.024	.168	.084	.024	.163	.083	.024	.158	.081	.024		
9.0	.167	.081	.022	.164	.080	.022	.159	.079	.022	.154	.077	.022	.150	.076	.022		
10.0	.157	.075	.021	.155	.075	.021	.150	.074	.021	.146	.072	.021	.142	.071	.020		

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	.098	.079	.062	.057	.046	.036	.018	.015	.012	
3.0	.160	.114	.078	.137	.098	.068	.094	.068	.047	.054	.040	.028	.017	.013	.009	
4.0	.152	.101	.061	.130	.087	.053	.090	.061	.038	.052	.035	.022	.017	.012	.007	
5.0	.145	.090	.050	.124	.078	.043	.086	.054	.030	.050	.032	.018	.016	.010	.006	
6.0	.138	.081	.041	.119	.071	.036	.082	.049	.025	.047	.029	.015	.015	.009	.005	
7.0	.131	.075	.035	.113	.065	.030	.078	.045	.021	.045	.027	.013	.015	.009	.004	
8.0	.125	.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	.098	.052	.020	.068	.036	.014	.040	.021	.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: EPC80WS1D65D120V15T

UGR(Unified Glare Rating) Table

Test:U:119.59V I:0.7021A P:83.440W PF:0.9937 Freq:50.00Hz Lamp Flux:11845.7x1 lm										
NAME: EPC80WS1D65D120V15T					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	27.6	29.1	27.9	29.3	29.5	27.6	29.0	27.9	29.2	29.4
3H	28.5	29.8	28.8	30.1	30.3	28.5	29.8	28.7	30.0	30.2
4H	28.7	29.9	29.0	30.2	30.4	28.6	29.9	28.9	30.1	30.4
6H	28.8	29.9	29.1	30.2	30.5	28.6	29.8	29.0	30.1	30.3
8H	28.7	29.9	29.1	30.1	30.4	28.6	29.7	28.9	30.0	30.3
12H	28.7	29.8	29.1	30.1	30.4	28.6	29.6	28.9	29.9	30.2
4H 2H	28.1	29.3	28.4	29.5	29.8	28.0	29.3	28.3	29.5	29.8
3H	29.1	30.2	29.4	30.4	30.7	29.0	30.1	29.4	30.4	30.7
4H	29.3	30.3	29.7	30.6	31.0	29.3	30.2	29.6	30.5	30.9
6H	29.5	30.3	29.8	30.7	31.0	29.3	30.2	29.7	30.5	30.9
8H	29.5	30.3	29.9	30.6	31.0	29.3	30.1	29.7	30.5	30.8
12H	29.4	30.2	29.9	30.6	31.0	29.3	30.0	29.7	30.4	30.8
8H 4H	29.4	30.2	29.8	30.6	30.9	29.3	30.1	29.7	30.5	30.8
6H	29.6	30.2	30.0	30.6	31.0	29.4	30.1	29.9	30.5	30.9
8H	29.6	30.2	30.0	30.6	31.0	29.4	30.0	29.9	30.4	30.9
12H	29.6	30.1	30.1	30.5	31.0	29.4	29.9	29.9	30.4	30.8
12H 4H	29.4	30.1	29.8	30.5	30.9	29.3	30.0	29.7	30.4	30.8
6H	29.5	30.1	30.0	30.5	31.0	29.4	30.0	29.9	30.4	30.9
8H	29.6	30.1	30.1	30.5	31.0	29.4	29.9	29.9	30.4	30.8
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	+ 0.6 / - 0.5					+ 0.6 / - 0.5				

CIE Pub.117, 11846 lm Total Lamp Luminous Flux Corrected (8log(F/F0) = 8.6)
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: EPC80WS1D65D120V15T

UTILIZATION FACTORS TABLE

Test:U:119.59V I:0.7021A P:83.440W PF:0.9937 Freq:50.00Hz Lamp Flux:11845.7x1 lm		
NAME: EPC80WS1D65D120V15T	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Fanmei	SUR.:	Shielding Angle:

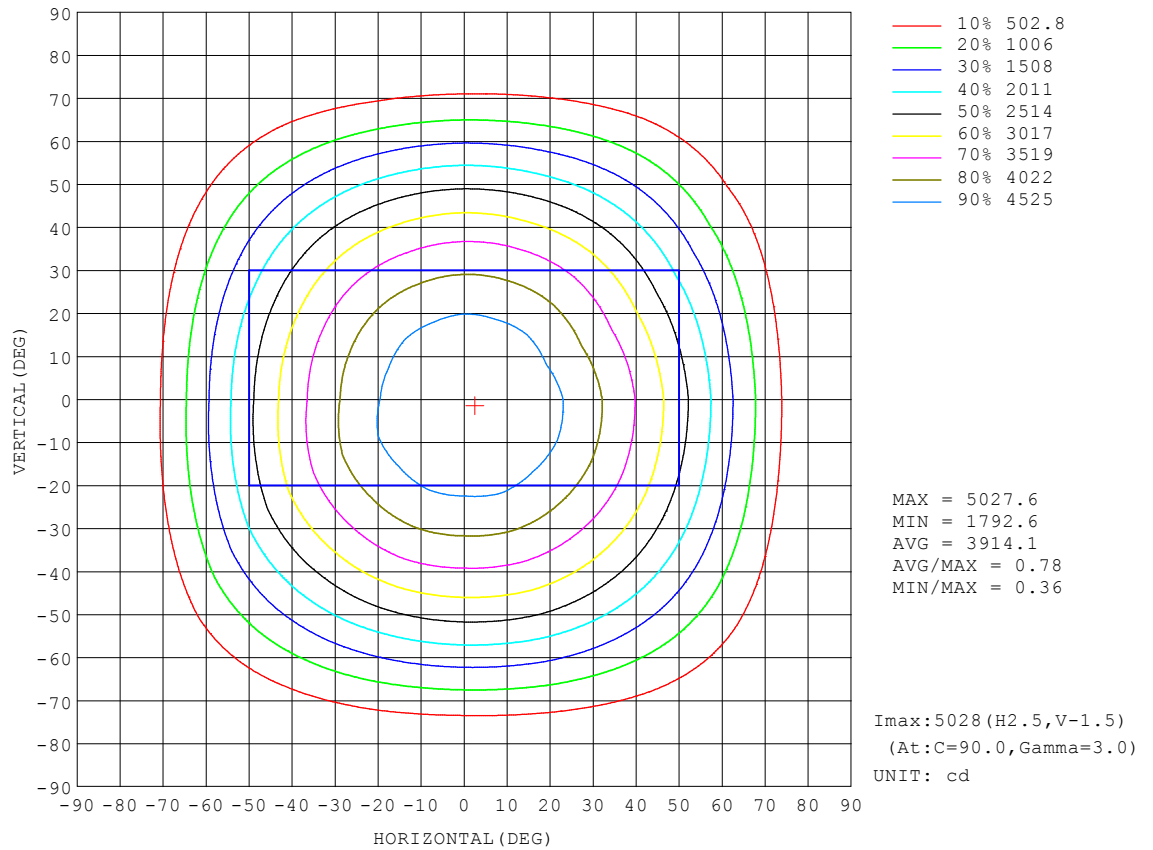
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS (PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	61	50	44	61	50	44	60	50	44	38
0.80	72	61	54	71	61	54	69	60	54	47
1.00	80	70	64	79	70	63	77	71	63	56
1.25	87	78	71	86	77	71	83	76	70	64
1.50	92	83	77	90	82	77	88	81	76	69
2.00	98	91	85	97	90	85	93	88	83	76
2.50	102	95	90	100	94	89	96	91	87	79
3.00	105	99	94	103	97	93	99	95	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: EPC80WS1D65D120V15T

ISOCANDELA DIAGRAM

Test:U:119.59V I:0.7021A P:83.440W PF:0.9937 Freq:50.00Hz Lamp Flux:11845.7x1 lm		
NAME: EPC80WS1D65D120V15T	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Fanmei	SUR.:	Shielding Angle:

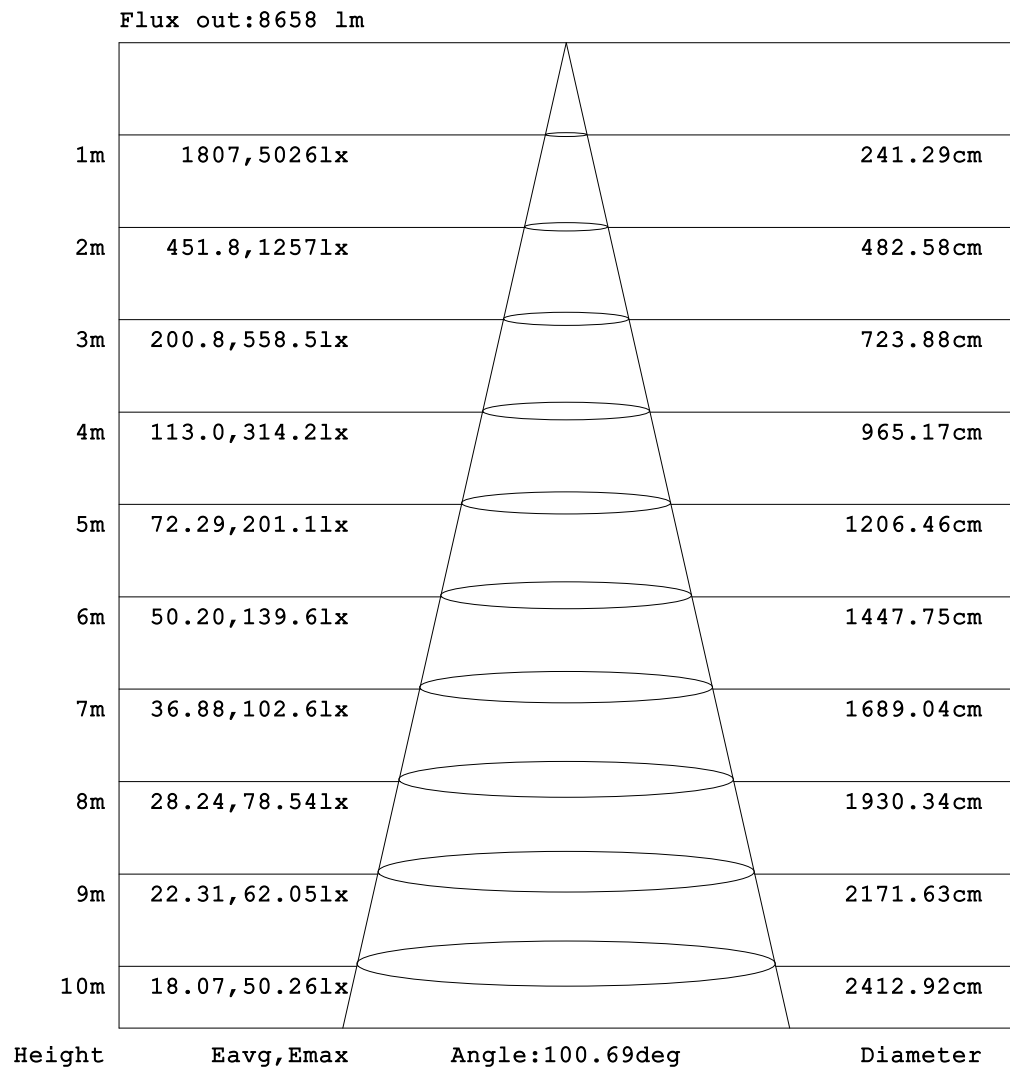


C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:HL
Test Date:18 December 2025

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: EPC80WS1D65D120V15T

AAI Figure

Test:U:119.59V I:0.7021A P:83.440W PF:0.9937 Freq:50.00Hz Lamp Flux:11845.7x1 lm		
NAME: EPC80WS1D65D120V15T	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Fanmei	SUR.:	Shielding Angle:



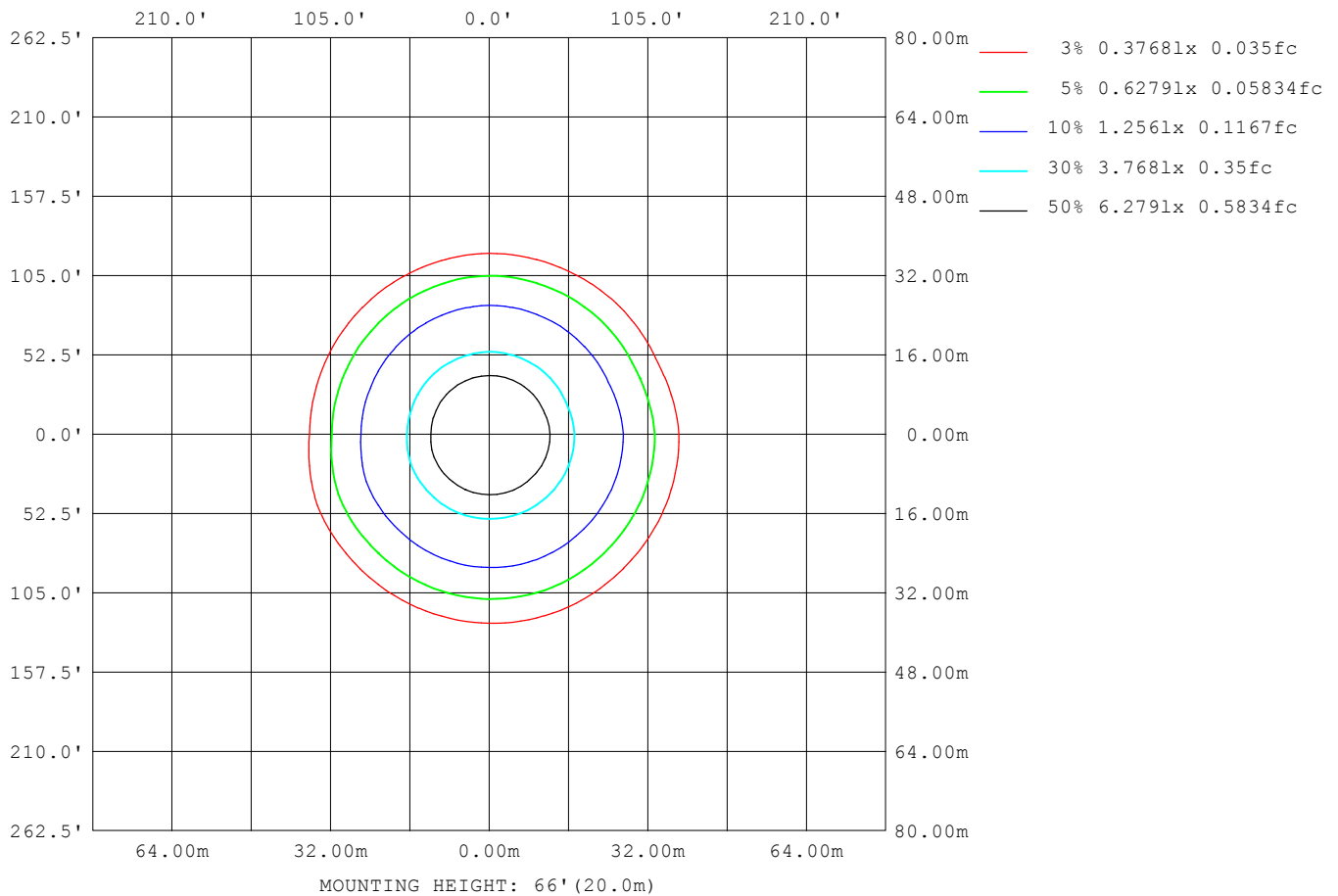
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

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: EPC80WS1D65D120V15T

ISOLUX DIAGRAM

Test:U:119.59V I:0.7021A P:83.440W PF:0.9937 Freq:50.00Hz Lamp Flux:11845.7x1 lm		
NAME: EPC80WS1D65D120V15T	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: EPC80WS1D65D120V15T

LED Avg.L Report

Test:U:119.59V I:0.7021A P:83.440W PF:0.9937 Freq:50.00Hz Lamp Flux:11845.7x1 lm		
NAME: EPC80WS1D65D120V15T	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Fanmei	SUR.:	Shielding Angle:

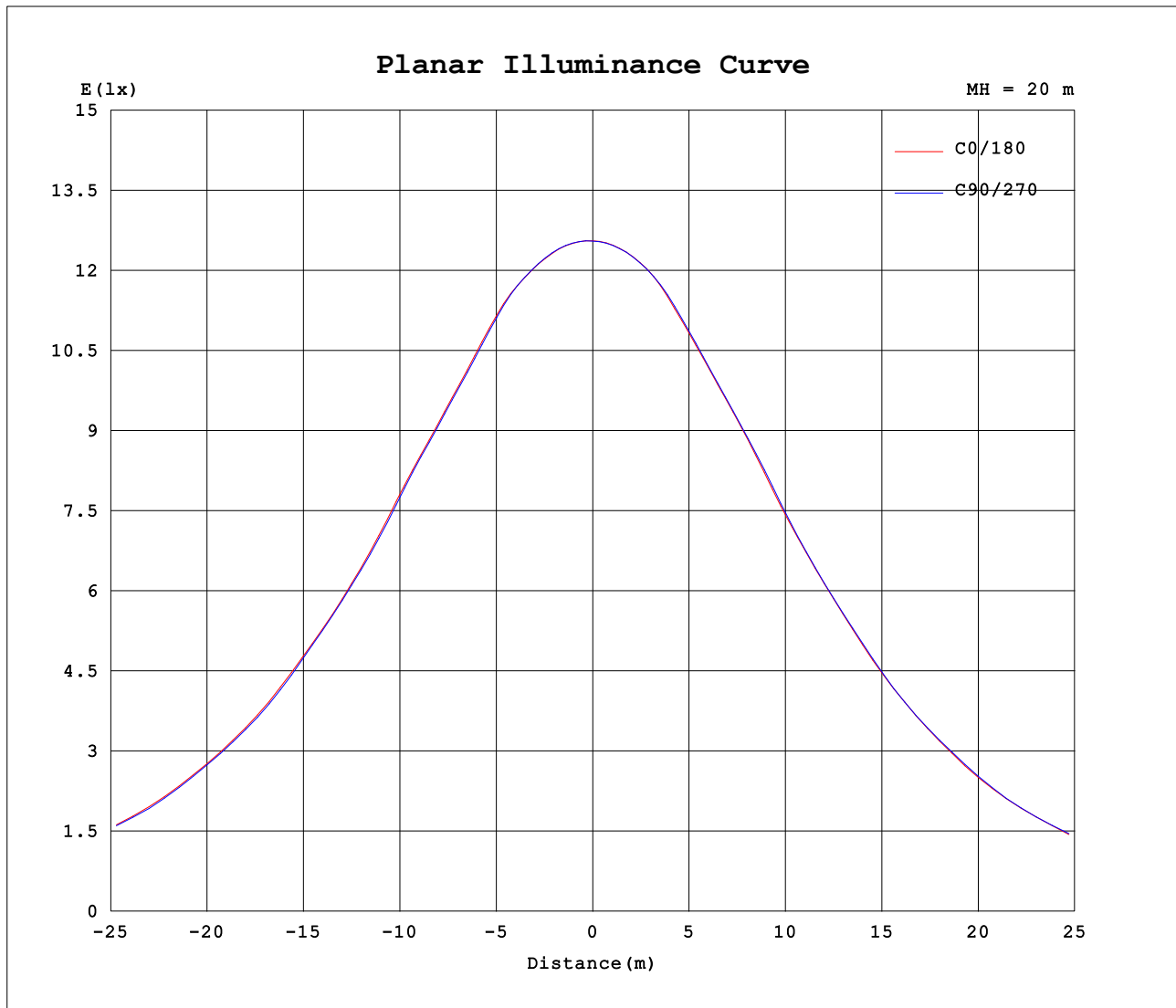
AvgL	cd/m2
L_0~180 (65) av	46337
L_0~180 (75) av	22792
L_0~180 (85) av	8938
L_90~270 (65) av	46652
L_90~270 (75) av	22986
L_90~270 (85) av	8463
L_45 (65) av	46258
L_45 (75) av	23470
L_45 (85) av	8483

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: EPC80WS1D65D120V15T

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: EPC80WS1D65D120V15T

```

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: EPC80WS1D65D120V15T

```