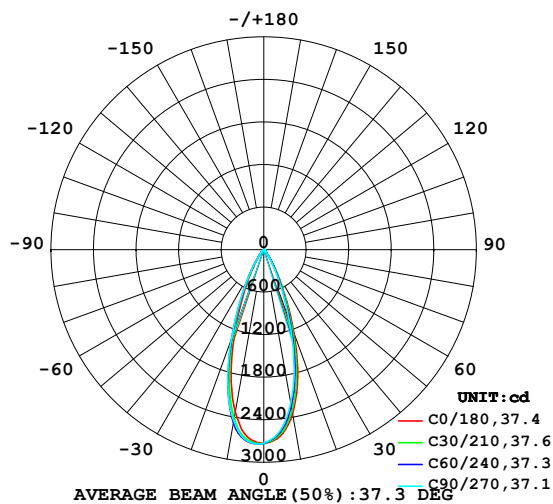


LUMINAIRE PHOTOMETRIC TEST REPORT

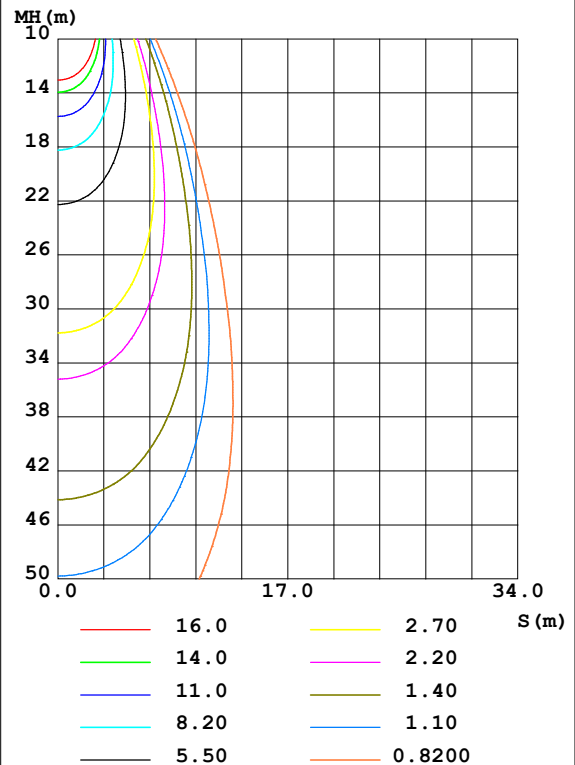
NAME: LB10000-CCT	TYPE:CRI90 4000K	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:1
MFR.:	SUR.:73*73MM	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 116.79 lm/W			
MODEL		Imax(cd)	2743	S/MH(C0/180)	0.59
NOMINAL POWER(W)	12	LOR(%)	100.0	S/MH(C90/270)	0.63
RATED VOLTAGE(V)	120	TOTAL FLUX(lm)	1218.6	η UP,DN(C0-180)	0.0,46.9
NOMINAL FLUX(lm)	1218.59	CIE CLASS	DIRECT	η UP,DN(C180-360)	0.0,53.1
LAMPS INSIDE	1	η up(%)	0.0	CIBSE SHR NOM	0.50
TEST VOLTAGE(V)	120	η down(%)	100.0	CIBSE SHR MAX	0.60

LUMINOUS INTENSITY DISTRIBUTION DIAGRAM



C0 PLANE ISOLUX DIAGRAM (UNIT:lx)



C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:CHEN
Test Date:2026-06-26

γ Range: 0 - 90DEG
 γ Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.362
Humidity:65.0%
Test Distance:5.620m [K=1.0000]
Remarks:

ZONAL FLUX DIAGRAM

ZONAL FLUX DIAGRAM:

γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum, lamp
10	2348	2274	2198	2221	2324	2457	2451	2417	0- 10	242.5	242.5	19.9,19.9
20	1247	1145	1052	1047	1159	1290	1342	1306	10- 20	492.4	734.9	60.3,60.3
30	369.3	336.9	293.5	295.7	335.1	387.8	413.1	399.5	20- 30	319.7	1055	86.5,86.5
40	83.68	76.15	65.73	62.68	75.14	84.88	91.14	85.45	30- 40	111.4	1166	95.7,95.7
50	27.07	26.28	22.69	22.91	24.75	27.64	29.17	28.02	40- 50	34.77	1201	98.5,98.5
60	6.375	8.666	5.513	7.307	5.512	9.070	7.233	10.05	50- 60	13.79	1215	99.7,99.7
70	1.109	1.208	0.6268	0.9173	0.6998	1.386	1.424	1.678	60- 70	3.550	1218	100,100
80	0.0689	0.0611	0.0688	0.0611	0.1231	0.1146	0.1147	0.1268	70- 80	0.3343	1218	100,100
90	0.0612	0.0650	0.0649	0.0649	0.1567	0.1299	0.1337	0.1221	80- 90	0.1005	1219	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		

Conical surface Flux(90deg): 1187.4 lm

%lum = 97.4%

%lamp = 97.4%

Conical surface Flux(120deg): 1214.6 lm

%lum = 99.7%

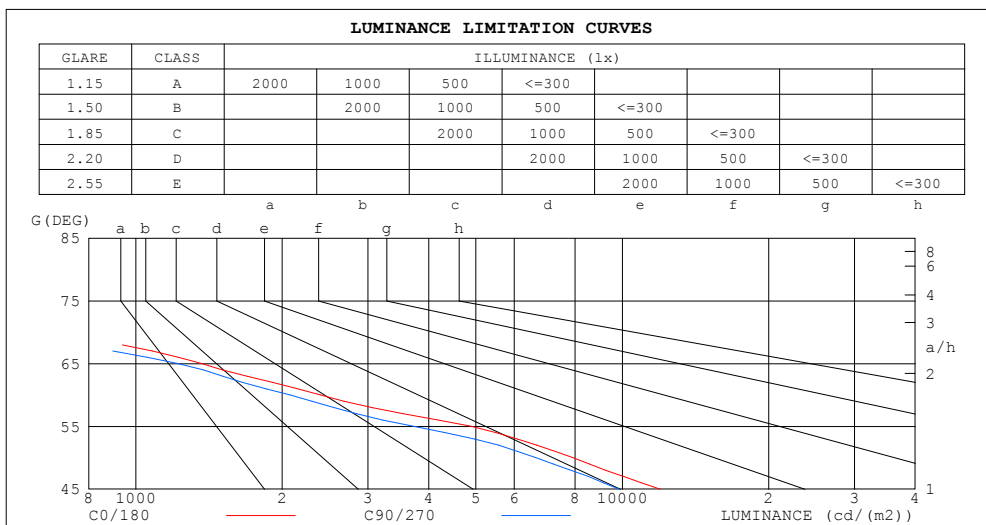
%lamp = 99.7%

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:CHEN
 Test Date:2026-06-26

γ Range: 0 - 90DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.362
 Humidity:65.0%
 Test Distance:5.620m [K=1.0000]
 Remarks:

LUMINANCE LIMITATION CURVES

NAME: LB10000-CCT	TYPE:CRI90 4000K	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:1
MFR.:	SUR.:73*73MM	Shielding Angle:



LUMINANCE cd/(m2)		
G (DEG)	C0/180	C90/270
85	132	132
80	74	74
75	64	56
70	609	344
65	1365	1217
60	2395	2072
55	4884	3723
50	7909	6634
45	11985	9869

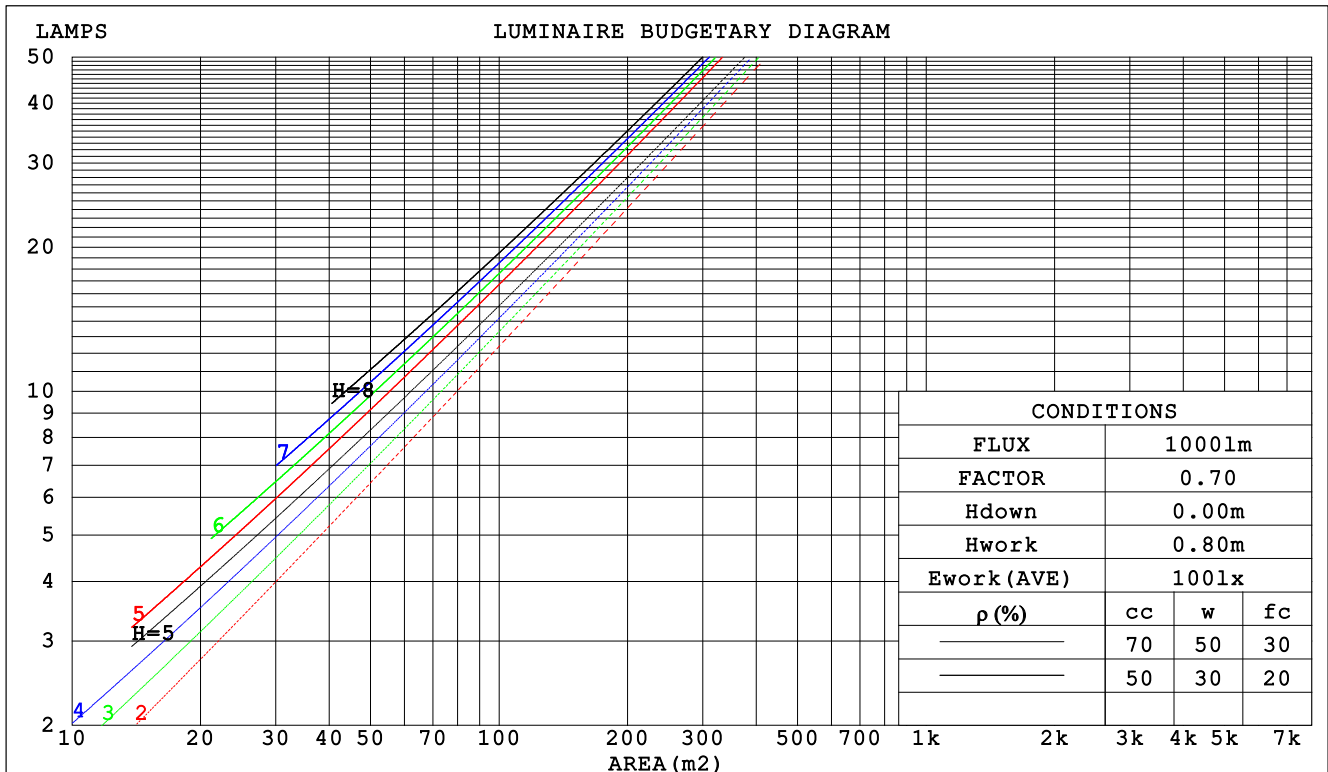
C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:CHEN
Test Date:2026-06-26

γ Range: 0 - 90DEG
 γ Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.362
Humidity:65.0%
Test Distance:5.620m [K=1.0000]
Remarks:

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

NAME: LB10000-CCT	TYPE:CRI90 4000K	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:1
MFR.:	SUR.:73*73MM	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	1.12	1.10	1.08	1.10	1.08	1.06	1.06	1.04	1.03	1.02	1.01	.00	.99	.98	.97	.95
2.0	1.05	1.02	.99	1.04	1.01	.98	1.01	.98	.96	.98	.96	.94	.95	.93	.92	.90
3.0	.00	.95	.92	.98	.94	.91	.96	.92	.90	.93	.91	.88	.91	.89	.87	.86
4.0	.94	.90	.86	.93	.89	.86	.91	.88	.85	.89	.86	.84	.88	.85	.83	.81
5.0	.90	.85	.81	.89	.84	.81	.87	.83	.80	.86	.82	.79	.84	.81	.79	.77
6.0	.86	.80	.77	.85	.80	.77	.83	.79	.76	.82	.78	.76	.81	.78	.75	.74
7.0	.82	.77	.73	.81	.76	.73	.80	.76	.72	.79	.75	.72	.78	.74	.72	.71
8.0	.78	.73	.70	.78	.73	.69	.77	.72	.69	.76	.72	.69	.75	.71	.69	.67
9.0	.75	.70	.67	.74	.70	.66	.74	.69	.66	.73	.69	.66	.72	.68	.66	.65
10.0	.72	.67	.64	.71	.67	.64	.71	.66	.63	.70	.66	.63	.69	.66	.63	.62



C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:CHEN
Test Date:2026-06-26

γ Range: 0 - 90DEG
 γ Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.362
Humidity:65.0%
Test Distance:5.620m [K=1.0000]
Remarks:

WEC AND CCEC

NAME: LB10000-CCT	TYPE:CRI90 4000K	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:1
MFR.:	SUR.:73*73MM	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	.157	.089	.028	.151	.086	.027	.138	.079	.025	.127	.073	.023	.116	.067	.022		
2.0	.149	.081	.025	.143	.079	.024	.133	.074	.023	.123	.069	.022	.114	.065	.020		
3.0	.140	.075	.022	.136	.073	.022	.127	.069	.021	.119	.065	.020	.111	.062	.019		
4.0	.133	.069	.020	.129	.067	.020	.121	.064	.019	.114	.061	.019	.108	.059	.018		
5.0	.126	.064	.019	.123	.063	.018	.116	.061	.018	.110	.058	.017	.105	.056	.017		
6.0	.120	.060	.017	.117	.059	.017	.111	.057	.017	.106	.055	.016	.101	.053	.016		
7.0	.115	.057	.016	.112	.056	.016	.107	.054	.016	.102	.052	.015	.098	.051	.015		
8.0	.110	.054	.015	.107	.053	.015	.103	.051	.015	.099	.050	.014	.095	.049	.014		
9.0	.105	.051	.014	.103	.050	.014	.099	.049	.014	.095	.048	.014	.092	.047	.013		
10.0	.101	.048	.013	.099	.048	.013	.095	.047	.013	.092	.046	.013	.089	.045	.013		

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	.170	.157	.146	.145	.135	.126	.099	.093	.087	.057	.054	.051	.018	.017	.016	
2.0	.153	.133	.115	.131	.114	.100	.090	.079	.070	.052	.046	.041	.017	.015	.013	
3.0	.140	.113	.093	.120	.098	.080	.082	.068	.056	.047	.040	.033	.015	.013	.011	
4.0	.128	.098	.076	.110	.085	.066	.076	.059	.046	.044	.035	.027	.014	.011	.009	
5.0	.119	.086	.063	.102	.075	.055	.070	.052	.038	.041	.031	.023	.013	.010	.008	
6.0	.111	.077	.053	.095	.067	.046	.066	.047	.032	.038	.027	.019	.012	.009	.006	
7.0	.104	.069	.045	.089	.060	.039	.062	.042	.028	.036	.025	.016	.012	.008	.005	
8.0	.098	.062	.038	.084	.054	.033	.058	.038	.024	.034	.022	.014	.011	.007	.005	
9.0	.092	.057	.033	.079	.050	.029	.055	.035	.021	.032	.021	.012	.010	.007	.004	
10.0	.088	.053	.029	.076	.046	.026	.052	.032	.018	.031	.019	.011	.010	.006	.004	

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:CHEN
Test Date:2026-06-26

γ Range: 0 - 90DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.362
Humidity:65.0%
Test Distance:5.620m [K=1.0000]
Remarks:

UGR(Unified Glare Rating) Table

NAME: LB10000-CCT					TYPE:CRI90 4000K					WEIGHT:				
SPEC.:					DIM.:					SERIAL No.:1				
MFR.:					SUR.:73*73MM					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					13.7	14.5	13.9	14.7	14.9	12.7	13.5	12.9	13.6	13.8
3H					13.6	14.3	13.8	14.5	14.7	12.6	13.3	12.8	13.5	13.7
4H					13.5	14.2	13.8	14.4	14.6	12.5	13.2	12.7	13.4	13.6
6H					13.4	14.1	13.7	14.3	14.6	12.4	13.0	12.7	13.3	13.5
8H					13.4	14.0	13.7	14.3	14.5	12.3	13.0	12.6	13.2	13.5
12H					13.3	13.9	13.7	14.2	14.5	12.3	12.9	12.6	13.2	13.4
4H 2H					13.6	14.3	13.8	14.5	14.7	12.5	13.2	12.8	13.4	13.7
3H					13.4	14.0	13.7	14.3	14.5	12.4	13.0	12.7	13.3	13.5
4H					13.3	13.9	13.7	14.2	14.5	12.3	12.8	12.6	13.1	13.4
6H					13.2	13.7	13.6	14.0	14.4	12.2	12.7	12.6	13.0	13.4
8H					13.2	13.6	13.5	14.0	14.3	12.1	12.6	12.5	12.9	13.3
12H					13.1	13.5	13.5	13.9	14.3	12.1	12.5	12.5	12.9	13.3
8H 4H					13.2	13.6	13.5	14.0	14.3	12.1	12.6	12.5	12.9	13.3
6H					13.1	13.4	13.5	13.8	14.2	12.0	12.4	12.5	12.8	13.2
8H					13.0	13.3	13.4	13.7	14.2	12.0	12.3	12.4	12.7	13.2
12H					12.9	13.2	13.4	13.7	14.1	11.9	12.2	12.4	12.6	13.1
12H 4H					13.1	13.5	13.5	13.9	14.3	12.1	12.5	12.5	12.9	13.3
6H					13.0	13.3	13.4	13.7	14.2	12.0	12.3	12.4	12.7	13.2
8H					12.9	13.2	13.4	13.7	14.1	11.9	12.2	12.4	12.6	13.1
Variations with the observer position at spacings:														
S = 1.0H					+ 3.2 / - 6.6					+ 2.6 / - 6.7				
1.5H					+ 4.5 / - 3.8					+ 3.7 / - 3.5				
2.0H					+ 4.4 / - 6.5					+ 4.0 / - 6.0				

CIE Pub.117, 1219 lm Total Lamp Luminous Flux Correct ($8\log(F/F_0) = 0.7$)

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:CHEN
 Test Date:2026-06-26

γ Range: 0 - 90DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.362
 Humidity:65.0%
 Test Distance:5.620m [K=1.0000]
 Remarks:

UTILIZATION FACTORS TABLE

NAME: LB10000-CCT	TYPE:CRI90 4000K	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:1
MFR.:	SUR.:73*73MM	Shielding Angle:

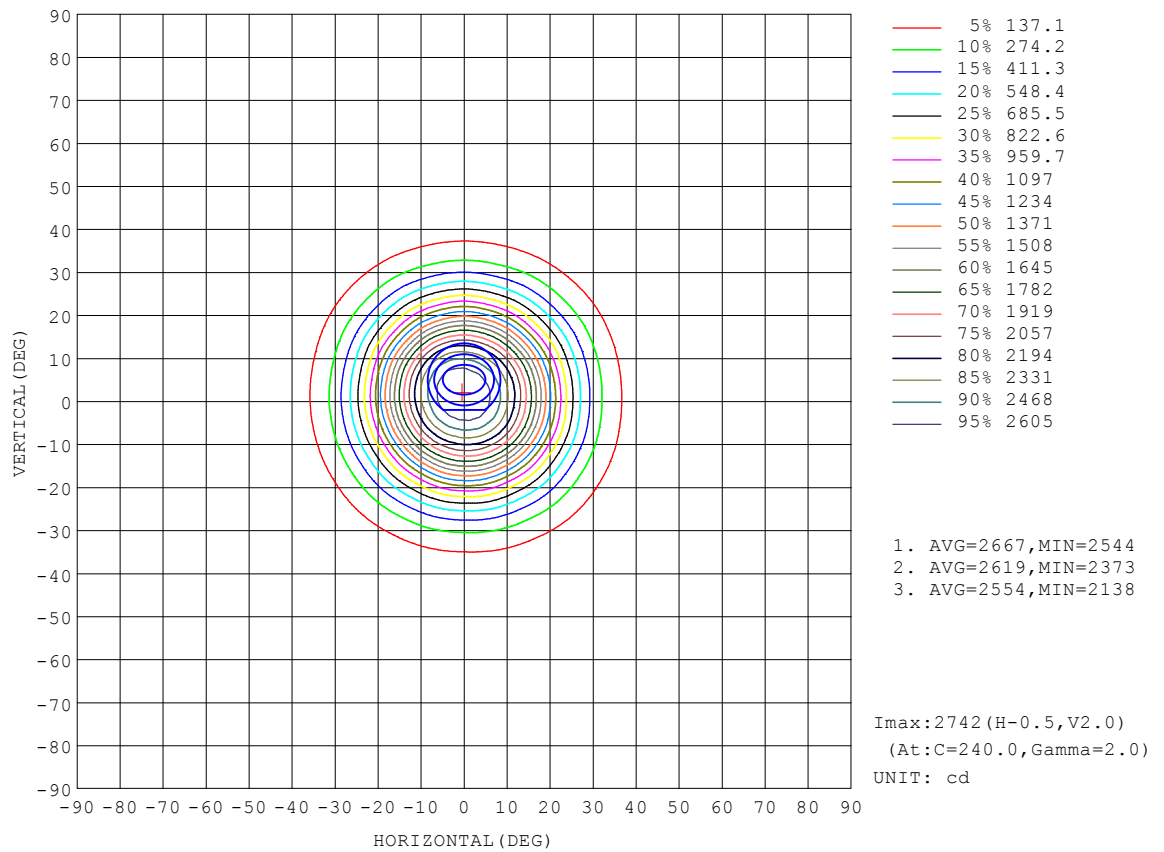
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS (PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	89	83	79	88	83	79	88	82	79	75
0.80	96	91	87	95	90	87	94	90	86	83
1.00	100	95	92	99	95	91	98	94	91	87
1.25	104	99	96	103	99	96	101	97	95	91
1.50	107	102	99	105	101	99	103	100	97	93
2.00	109	105	102	108	104	101	105	102	100	95
2.50	111	107	104	109	106	103	106	104	101	96
3.00	112	109	106	110	108	105	107	105	103	97
4.00	114	112	109	112	110	108	109	107	105	98
5.00	115	113	111	113	111	110	109	108	107	99
ROOM INDEX	UF (total)									Direct
According to DIN EN 13032-2 2004			Suspended					SHRNOM = 1.25		

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators: CHEN
 Test Date: 2026-06-26

γ Range: 0 - 90DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-2000A_V1 SYSTEM V2.0.362
 Humidity: 65.0%
 Test Distance: 5.620m [K=1.0000]
 Remarks:

ISOCANDELA DIAGRAM

NAME: LB10000-CCT	TYPE:CRI90 4000K	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:1
MFR.:	SUR.:73*73MM	Shielding Angle:

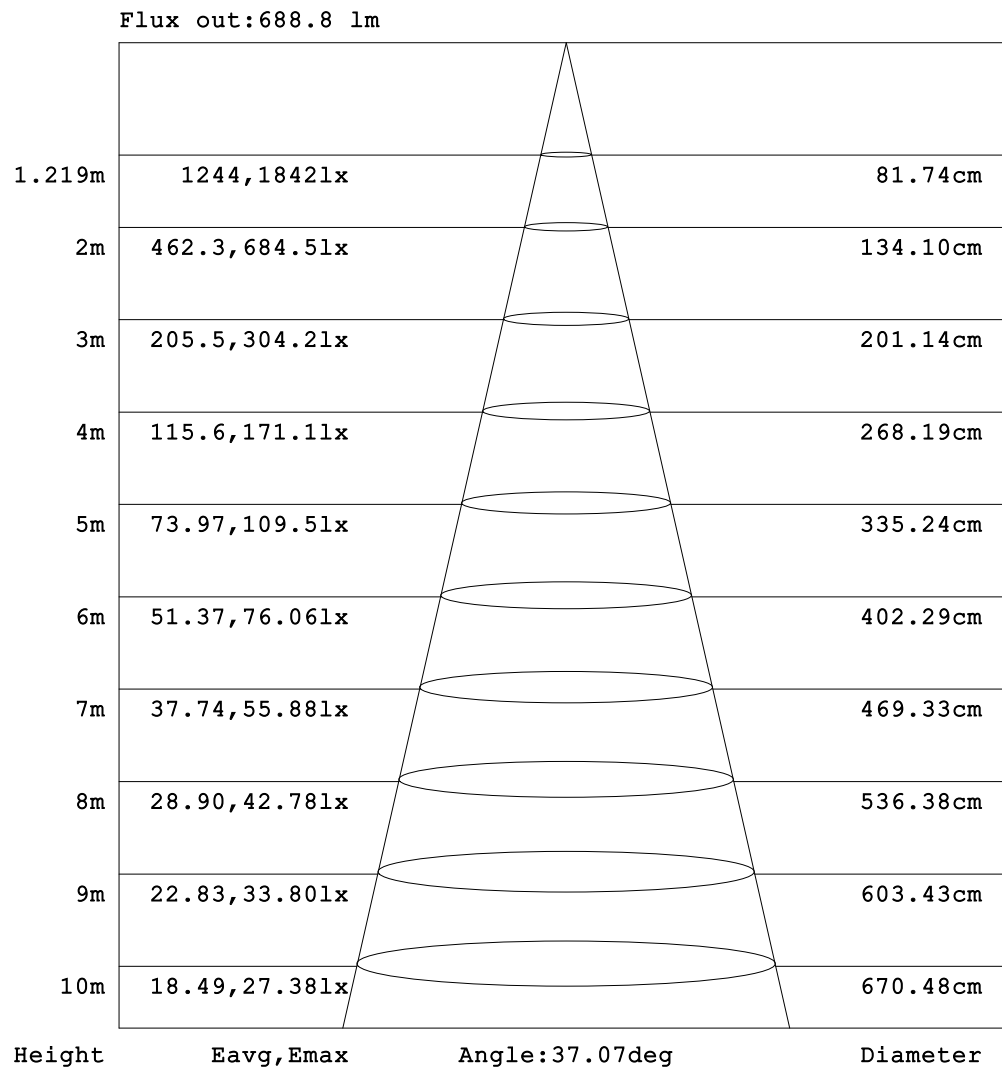


C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:CHEN
Test Date:2026-06-26

γ Range: 0 - 90DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.362
Humidity:65.0%
Test Distance:5.620m [K=1.0000]
Remarks:

AAI Figure

NAME: LB10000-CCT	TYPE:CRI90 4000K	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:1
MFR.:	SUR.:73*73MM	Shielding Angle:



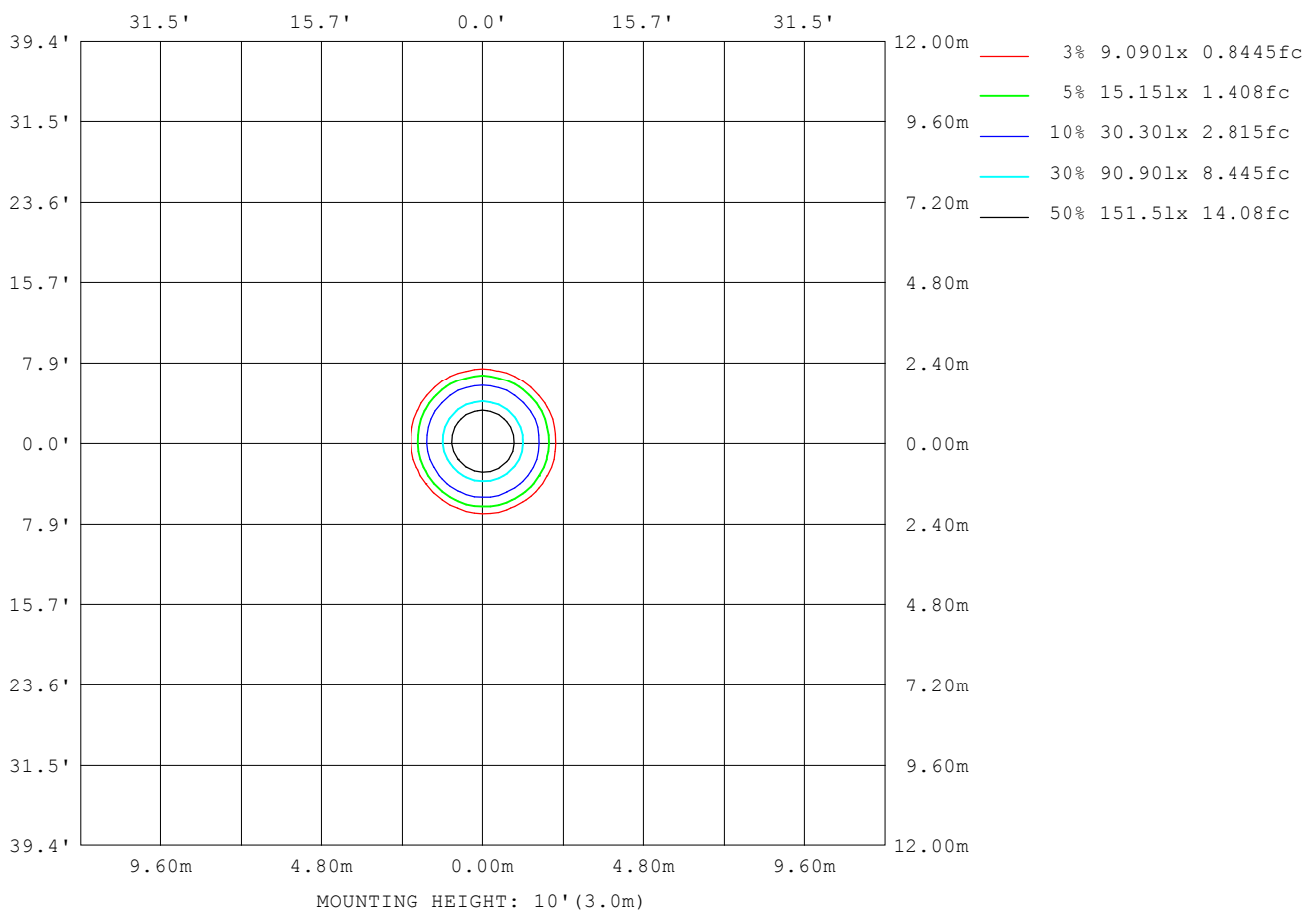
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:CHEN
 Test Date:2026-06-26

γ Range: 0 - 90DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.362
 Humidity:65.0%
 Test Distance:5.620m [K=1.0000]
 Remarks:

ISOLUX DIAGRAM

NAME: LB10000-CCT	TYPE:CRI90 4000K	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:1
MFR.:	SUR.:73*73MM	Shielding Angle:



C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:CHEN
Test Date:2026-06-26

γ Range: 0 - 90DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.362
Humidity:65.0%
Test Distance:5.620m [K=1.0000]
Remarks:

LED Avg.L Report

NAME: LB10000-CCT	TYPE:CRI90 4000K	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:1
MFR.:	SUR.:73*73MM	Shielding Angle:

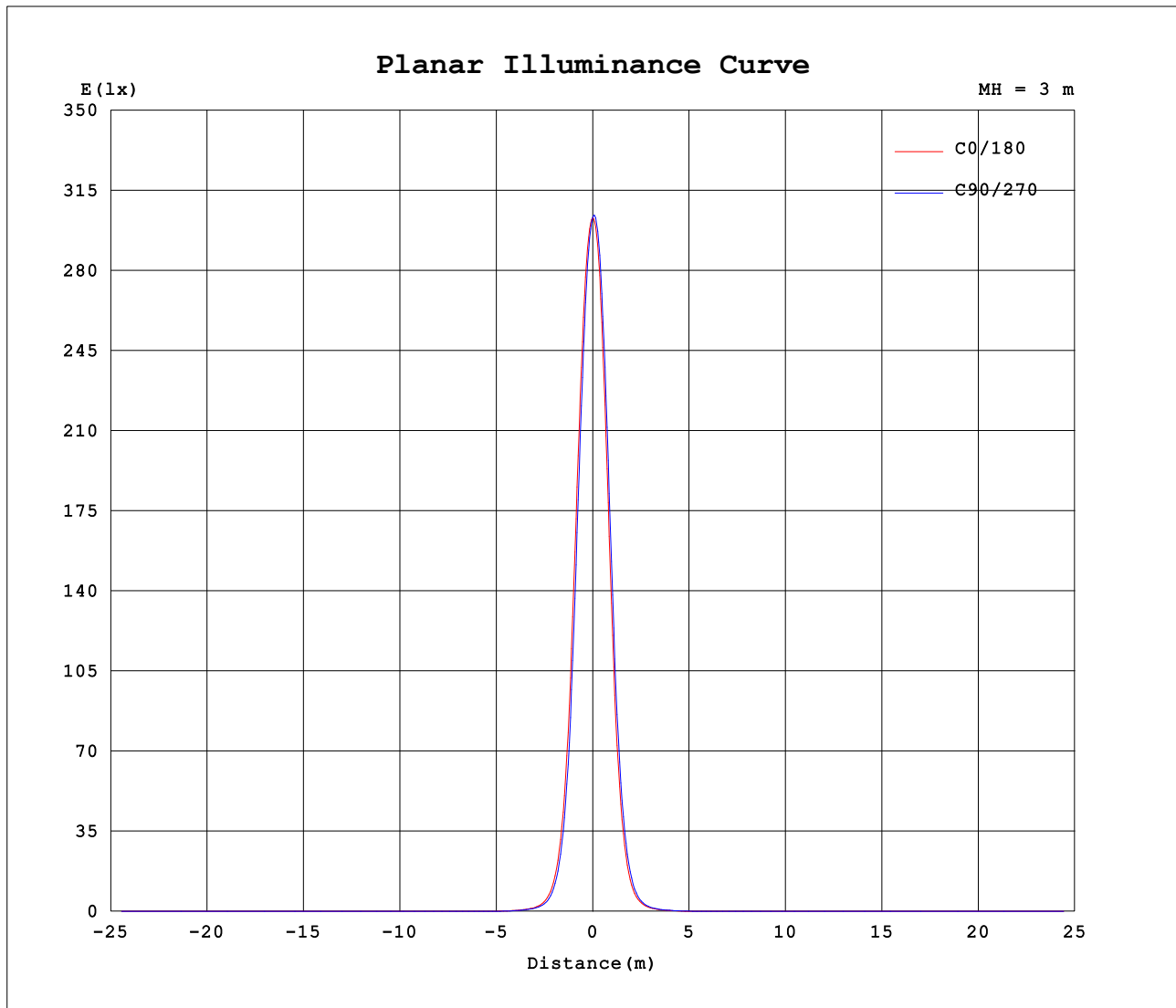
AvgL	cd/m2
L_0~180 (65) av	1284
L_0~180 (75) av	78
L_0~180 (85) av	206
L_90~270 (65) av	1428
L_90~270 (75) av	72
L_90~270 (85) av	198
L_45 (65) av	1621
L_45 (75) av	129
L_45 (85) av	196

Standard: GB/T 29293-2012

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:CHEN
Test Date:2026-06-26

γ Range: 0 - 90DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.362
Humidity:65.0%
Test Distance:5.620m [K=1.0000]
Remarks:

Planar Illuminance Curve



C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: CHEN
Test Date: 2026-06-26

γ Range: 0 - 90DEG
 γ Interval: 1.0DEG
Test System: EVERFINE GO-2000A_V1 SYSTEM V2.0.362
Humidity: 65.0%
Test Distance: 5.620m [K=1.0000]
Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

NAME: LB10000-CCT	TYPE:CRI90 4000K	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:1
MFR.:	SUR.:73*73MM	Shielding Angle:

Table--1

UNIT: cd

[illegible]

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: CHEN
Test Date: 2026-06-26

```

Range: 0 - 90DEG
Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.362
Humidity:65.0%
Test Distance:5.620m [K=1.0000]
Remarks:

```

LUMINOUS DISTRIBUTION INTENSITY DATA

NAME: LB10000-CCT	TYPE:CRI90 4000K	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:1
MFR.:	SUR.:73*73MM	Shielding Angle:

UNIT: cd

[illegible]

```

γ Range: 0 - 90DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.362
Humidity:65.0%
Test Distance:5.620m [K=1.0000]
Remarks:

```