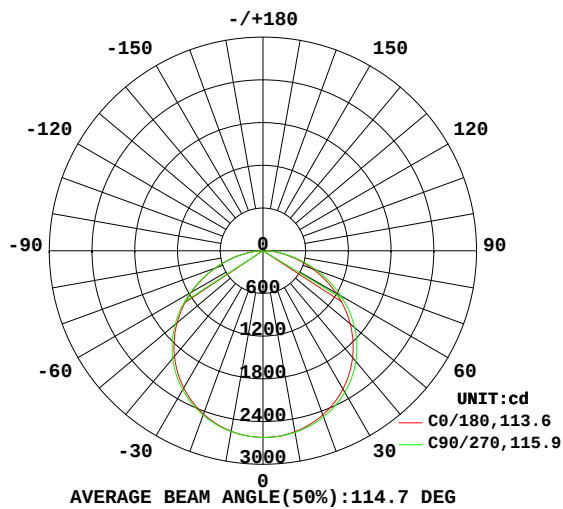


LUMINAIRE PHOTOMETRIC TEST REPORT

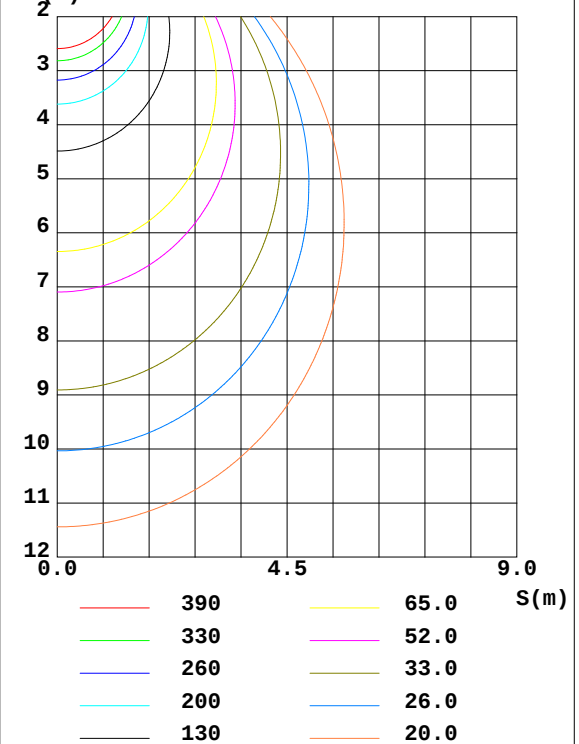
Test:U:219.32V I:0.3558A P:76.234W PF:0.9769 Freq:49.99Hz Lamp Flux:7701.57x1 lm		
NAME: LPB6012-WHTC72	TYPE:	WEIGHT:
SPEC.: white RA80 3000K+5700K	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.: 1.155*0.555	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 101.03 lm/W			
MODEL	2835 3000K	I _{max} (cd)	2622	S/MH(C0/180)	1.26
NOMINAL POWER(W)	72	LOR(%)	100.0	S/MH(C90/270)	1.28
RATED VOLTAGE(V)		TOTAL FLUX(lm)	7701.6	η UP, DN(C0-180)	0.0, 51.1
NOMINAL FLUX(lm)	7701.57	CIE CLASS	DIRECT	η UP, DN(C180-360)	0.0, 48.9
LAMPS INSIDE	1	η up(%)	0.0	CIBSE SHR NOM	1.25
TEST VOLTAGE(V)	--	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: 45.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: 1
Test Date: 2025-04-10

γ Range: 0 - 90DEG
γ Interval: 1.0DEG
Test System: EVERFINE G0-2000B_V1 SYSTEM V2.00.411
Humidity: 65.0%
Test Distance: 6.790m [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	2582	2590	2591	2586	2574	2572	2578	2575	0- 10	248.3	248.3	3.22, 3.22
20	2455	2476	2483	2470	2442	2441	2456	2446	10- 20	714.3	962.7	12.5, 12.5
30	2245	2280	2297	2274	2227	2230	2255	2237	20- 30	1091	2054	26.7, 26.7
40	1958	2003	2029	2000	1935	1940	1972	1946	30- 40	1329	3382	43.9, 43.9
50	1600	1650	1680	1650	1575	1579	1609	1585	40- 50	1390	4773	62, 62
60	1185	1229	1260	1233	1159	1155	1177	1160	50- 60	1262	6034	78.4, 78.4
70	741.2	777.6	797.3	783.8	717.8	702.3	712.2	702.4	60- 70	959.5	6994	90.8, 90.8
80	323.0	349.1	356.2	354.7	298.3	277.6	275.5	271.3	70- 80	550.1	7544	98, 98
90	33.18	39.20	44.74	40.97	3.234	3.460	3.650	3.415	80- 90	157.7	7702	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): 4081.7 lm

%lum = 53.0%

%lamp = 53.0%

Conical surface Flux(120deg): 6034.3 lm

%lum = 78.4%

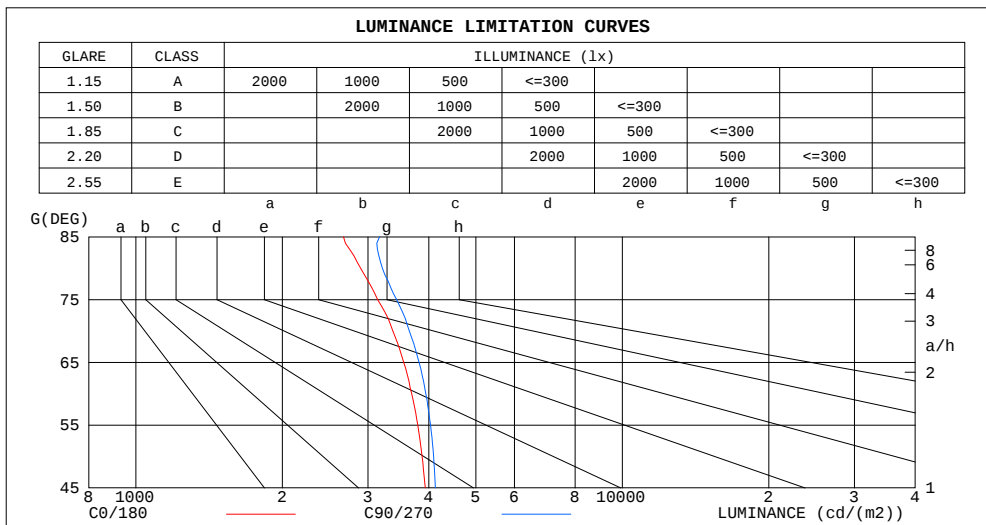
%lamp = 78.4%

C Range: 0 - 360DEG
 C Interval: 45.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators: 1
 Test Date: 2025-04-10

γ Range: 0 - 90DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE G0-2000B_V1 SYSTEM V2.00.411
 Humidity: 65.0%
 Test Distance: 6.790m [K=1.0000]
 Remarks:

LUMINANCE LIMITATION CURVES

Test:U:219.32V I:0.3558A P:76.234W PF:0.9769 Freq:49.99Hz Lamp Flux:7701.57x1 lm		
NAME: LPB6012-WHTC72	TYPE:	WEIGHT:
SPEC.: white RA80 3000K+5700K	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.: 1.155*0.555	Shielding Angle:



LUMINANCE cd/(m2)		
G(DEG)	C0/180	C90/270
85	2672	3169
80	2897	3211
75	3139	3436
70	3375	3649
65	3553	3819
60	3691	3945
55	3798	4035
50	3876	4092
45	3936	4129

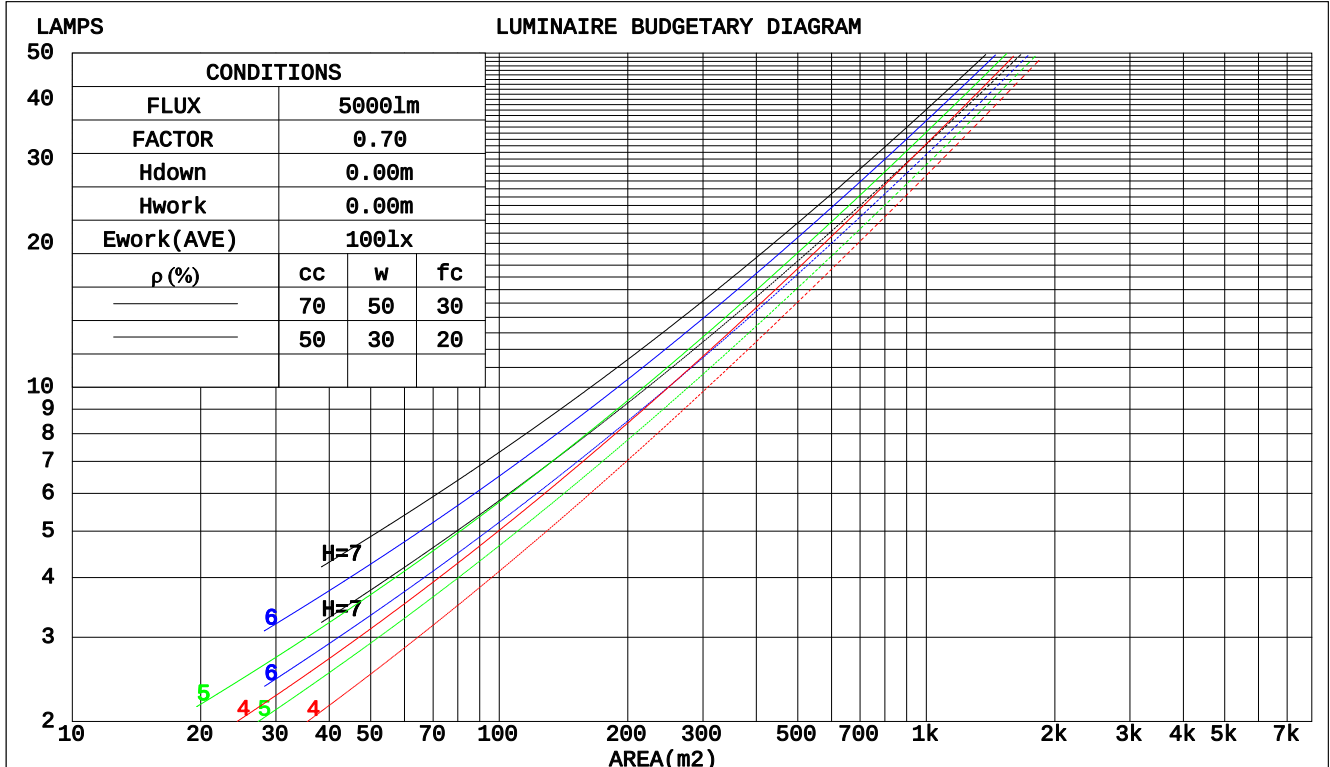
C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: 1
Test Date: 2025-04-10

γ Range: 0 - 90DEG
γ Interval: 1.0DEG
Test System: EVERFINE G0-2000B_V1 SYSTEM V2.00.411
Humidity: 65.0%
Test Distance: 6.790m [K=1.0000]
Remarks:

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:219.32V I:0.3558A P:76.234W PF:0.9769 Freq:49.99Hz Lamp Flux:7701.57x1 lm		
NAME: LPB6012-WHTC72	TYPE:	WEIGHT:
SPEC.: white RA80 3000K+5700K	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.: 1.155*0.555	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	1.04	.99	.95	1.01	.97	.94	.97	.94	.91	.93	.91	.88	.90	.87	.85	.83
2.0	.90	.83	.77	.88	.82	.77	.85	.79	.75	.81	.77	.73	.78	.75	.71	.69
3.0	.79	.71	.64	.77	.70	.64	.74	.68	.62	.72	.66	.61	.69	.64	.60	.58
4.0	.70	.61	.54	.69	.60	.54	.66	.59	.53	.64	.57	.52	.62	.56	.52	.49
5.0	.62	.53	.47	.61	.53	.46	.59	.52	.46	.57	.50	.45	.55	.49	.45	.43
6.0	.56	.47	.41	.55	.47	.40	.53	.46	.40	.52	.45	.40	.50	.44	.39	.37
7.0	.51	.42	.36	.50	.42	.36	.48	.41	.35	.47	.40	.35	.46	.39	.35	.33
8.0	.46	.38	.32	.46	.37	.32	.44	.37	.32	.43	.36	.31	.42	.36	.31	.29
9.0	.42	.34	.29	.42	.34	.29	.41	.33	.28	.40	.33	.28	.39	.33	.28	.26
10.0	.39	.31	.26	.39	.31	.26	.38	.31	.26	.37	.30	.26	.36	.30	.25	.24



C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:1
Test Date:2025-04-10

γ Range: 0 - 90DEG
 γ Interval: 1.0DEG
Test System:EVERFINE G0-2000B_V1 SYSTEM V2.00.411
Humidity:65.0%
Test Distance:6.790m [K=1.0000]
Remarks:

WEC AND CCEC

Test:U:219.32V I:0.3558A P:76.234W PF:0.9769 Freq:49.99Hz Lamp Flux:7701.57x1 lm					
NAME: LPB6012-WHTC72			TYPE:		WEIGHT:
SPEC.: white RA80 3000K+5700K			DIM.:		SERIAL No.:
MFR.: EVERFINE			SUR.: 1.155*0.555		Shielding Angle:

ρcc	80%			70%			50%			30%			10%			0
ρw	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
ρfc	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio						Wall Exitance Coefficients(WEC)									
0.0																
1.0	.313	.178	.056	.306	.175	.055	.293	.168	.054	.281	.162	.052	.269	.156	.050	
2.0	.294	.161	.049	.288	.159	.049	.276	.154	.048	.265	.149	.047	.255	.144	.046	
3.0	.272	.145	.043	.266	.143	.043	.256	.139	.042	.246	.135	.041	.238	.132	.041	
4.0	.251	.130	.038	.246	.129	.038	.237	.126	.037	.228	.123	.037	.220	.120	.036	
5.0	.232	.118	.034	.227	.117	.034	.219	.114	.034	.212	.112	.033	.205	.109	.033	
6.0	.215	.108	.031	.211	.107	.031	.204	.104	.030	.197	.102	.030	.191	.100	.030	
7.0	.200	.099	.028	.196	.098	.028	.190	.096	.028	.184	.094	.027	.178	.093	.027	
8.0	.187	.091	.026	.184	.090	.026	.178	.089	.025	.172	.087	.025	.167	.086	.025	
9.0	.175	.085	.024	.172	.084	.024	.167	.082	.023	.162	.081	.023	.157	.080	.023	
10.0	.164	.079	.022	.162	.078	.022	.157	.077	.022	.153	.076	.022	.148	.075	.021	

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						Ceiling Cavity Exitance Coefficients(CCEC)									
0.0	.190	.190	.190	.163	.163	.163	.111	.111	.111	.064	.064	.064	.020	.020	.020	
1.0	.181	.156	.134	.154	.134	.115	.106	.092	.080	.061	.053	.046	.019	.017	.015	
2.0	.173	.132	.098	.148	.114	.084	.101	.079	.059	.058	.046	.035	.019	.015	.011	
3.0	.165	.114	.074	.141	.099	.064	.097	.069	.045	.056	.040	.027	.018	.013	.009	
4.0	.157	.101	.058	.135	.087	.050	.093	.061	.036	.054	.036	.021	.017	.012	.007	
5.0	.150	.091	.047	.129	.078	.041	.089	.055	.029	.051	.032	.017	.017	.010	.006	
6.0	.143	.082	.039	.123	.071	.034	.085	.050	.024	.049	.029	.014	.016	.010	.005	
7.0	.136	.075	.033	.117	.065	.029	.081	.046	.020	.047	.027	.012	.015	.009	.004	
8.0	.129	.070	.029	.111	.060	.025	.077	.042	.018	.045	.025	.011	.014	.008	.003	
9.0	.123	.065	.025	.106	.056	.022	.074	.039	.016	.043	.023	.009	.014	.008	.003	
10.0	.117	.060	.022	.101	.052	.020	.070	.037	.014	.041	.022	.008	.013	.007	.003	

C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:1
Test Date:2025-04-10

γ Range: 0 - 90DEG
 γ Interval: 1.0DEG
Test System:EVERFINE G0-2000B_V1 SYSTEM V2.00.411
Humidity:65.0%
Test Distance:6.790m [K=1.0000]
Remarks:

UGR(Unified Glare Rating) Table

Test:U:219.32V I:0.3558A P:76.234W PF:0.9769 Freq:49.99Hz Lamp Flux:7701.57x1 lm										
NAME: LPB6012-WHTC72					TYPE:			WEIGHT:		
SPEC.: white RA80 3000K+5700K					DIM.:			SERIAL No.:		
MFR.: EVERFINE					SUR.: 1.155*0.555			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	10.5	12.1	10.8	12.3	12.5	10.8	12.3	11.0	12.5	12.7
3H	12.1	13.5	12.3	13.7	13.9	12.4	13.8	12.7	14.0	14.2
4H	12.7	14.0	13.0	14.3	14.5	13.0	14.3	13.3	14.6	14.9
6H	13.1	14.4	13.4	14.6	14.9	13.5	14.8	13.8	15.0	15.3
8H	13.3	14.5	13.6	14.8	15.1	13.7	14.9	14.0	15.2	15.5
12H	13.4	14.5	13.7	14.8	15.1	13.8	15.0	14.1	15.3	15.6
4H 2H	11.2	12.5	11.5	12.8	13.1	11.4	12.7	11.7	13.0	13.2
3H	12.9	14.1	13.3	14.4	14.7	13.1	14.3	13.5	14.6	14.9
4H	13.6	14.7	14.0	15.0	15.4	13.9	15.0	14.3	15.3	15.7
6H	14.2	15.2	14.6	15.5	15.9	14.5	15.5	14.9	15.9	16.2
8H	14.4	15.3	14.8	15.7	16.1	14.8	15.7	15.2	16.0	16.4
12H	14.6	15.4	15.0	15.8	16.2	15.0	15.8	15.4	16.2	16.6
8H 4H	13.9	14.8	14.4	15.2	15.6	14.2	15.1	14.6	15.5	15.8
6H	14.7	15.4	15.1	15.8	16.3	15.0	15.7	15.4	16.1	16.6
8H	15.0	15.7	15.5	16.1	16.5	15.3	16.0	15.8	16.4	16.8
12H	15.2	15.8	15.7	16.3	16.7	15.6	16.2	16.1	16.6	17.1
12H 4H	14.0	14.8	14.4	15.2	15.6	14.2	15.0	14.6	15.4	15.8
6H	14.8	15.4	15.2	15.9	16.3	15.0	15.7	15.5	16.1	16.6
8H	15.1	15.7	15.6	16.1	16.6	15.4	16.0	15.9	16.4	16.9
Variations with the observer position at spacings(CIE Pub.117):										
S = 1.0H	+ 0.2 / - 0.2					+ 0.1 / - 0.2				
1.5H	+ 0.2 / - 0.3					+ 0.2 / - 0.3				
2.0H	+ 0.1 / - 0.3					+ 0.1 / - 0.3				

CIE Pub.117, 7702 lm Total Lamp Luminous Flux Correct (8log(F/F0) = 7.1)
Area: 0.641025 m2

C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:1
Test Date:2025-04-10

γ Range: 0 - 90DEG
γ Interval: 1.0DEG
Test System:EVERFINE G0-2000B_V1 SYSTEM V2.00.411
Humidity:65.0%
Test Distance:6.790m [K=1.0000]
Remarks:

UTILIZATION FACTORS TABLE

Test:U:219.32V I:0.3558A P:76.234W PF:0.9769 Freq:49.99Hz Lamp Flux:7701.57x1 lm		
NAME: LPB6012-WHTC72	TYPE:	WEIGHT:
SPEC.: white RA80 3000K+5700K	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.: 1.155*0.555	Shielding Angle:

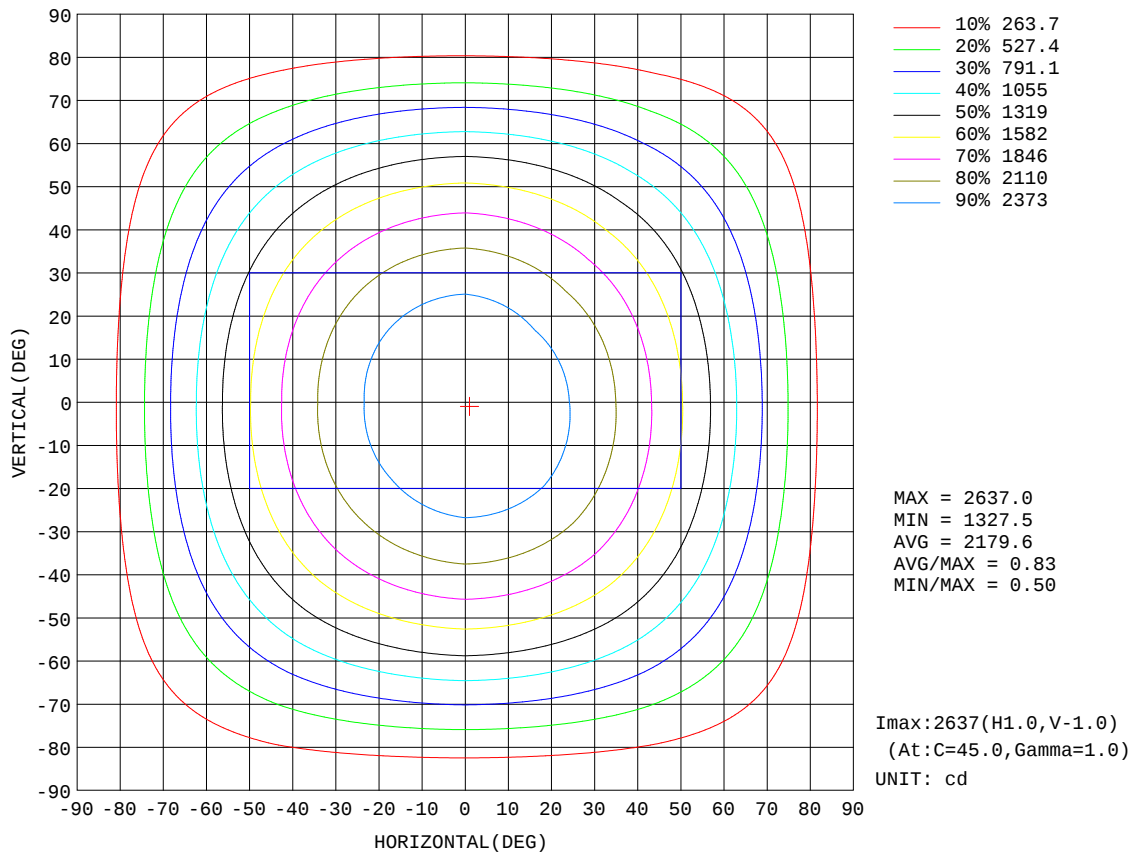
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) $k(RI) \times RCR = 5$									
k = 0.60	57	45	38	56	45	38	55	45	38	32
0.80	67	55	48	66	55	48	64	54	47	40
1.00	76	64	57	74	64	57	72	65	56	49
1.25	83	72	65	81	71	65	79	70	64	56
1.50	88	78	71	86	77	70	83	75	69	62
2.00	95	86	80	93	85	79	89	83	77	69
2.50	99	91	85	97	89	84	93	87	82	74
3.00	102	95	90	100	94	88	96	91	86	78
4.00	106	100	96	104	99	94	99	95	92	83
5.00	109	104	100	106	102	98	102	98	95	86
ROOM INDEX	UF(total)									Direct
According to DIN EN 13032-2 2004			Suspended					SHRNOM = 1.25		

C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:1
Test Date:2025-04-10

γ Range: 0 - 90DEG
γ Interval: 1.0DEG
Test System:EVERFINE G0-2000B_V1 SYSTEM V2.00.411
Humidity:65.0%
Test Distance:6.790m [K=1.0000]
Remarks:

ISOCANDELA DIAGRAM

Test:U:219.32V I:0.3558A P:76.234W PF:0.9769 Freq:49.99Hz Lamp Flux:7701.57x1 lm		
NAME: LPB6012-WHTC72	TYPE:	WEIGHT:
SPEC.: white RA80 3000K+5700K	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.: 1.155*0.555	Shielding Angle:



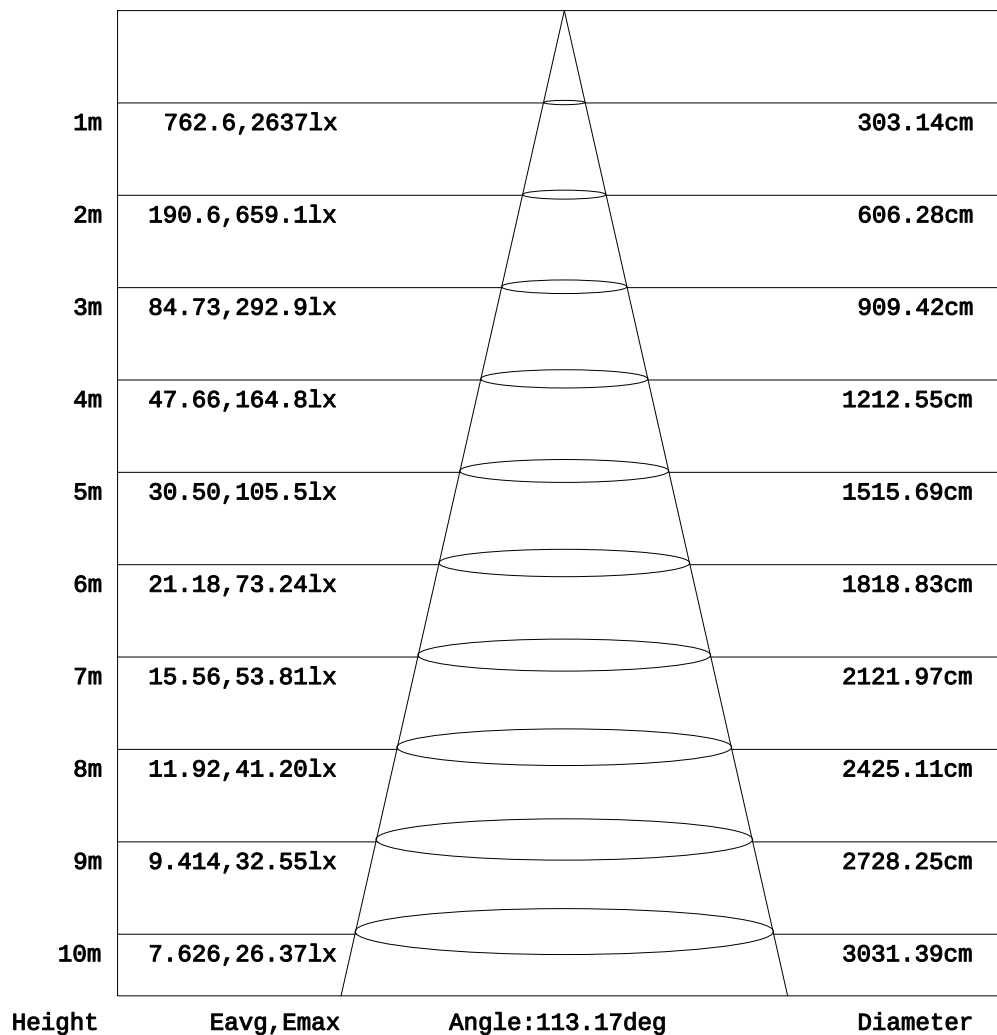
C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:1
Test Date:2025-04-10

γ Range: 0 - 90DEG
γ Interval: 1.0DEG
Test System:EVERFINE G0-2000B_V1 SYSTEM V2.00.411
Humidity:65.0%
Test Distance:6.790m [K=1.0000]
Remarks:

AAI Figure

Test:U:219.32V I:0.3558A P:76.234W PF:0.9769 Freq:49.99Hz Lamp Flux:7701.57x1 lm		
NAME: LPB6012-WHTC72	TYPE:	WEIGHT:
SPEC.: white RA80 3000K+5700K	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.: 1.155*0.555	Shielding Angle:

Flux out:5681 lm



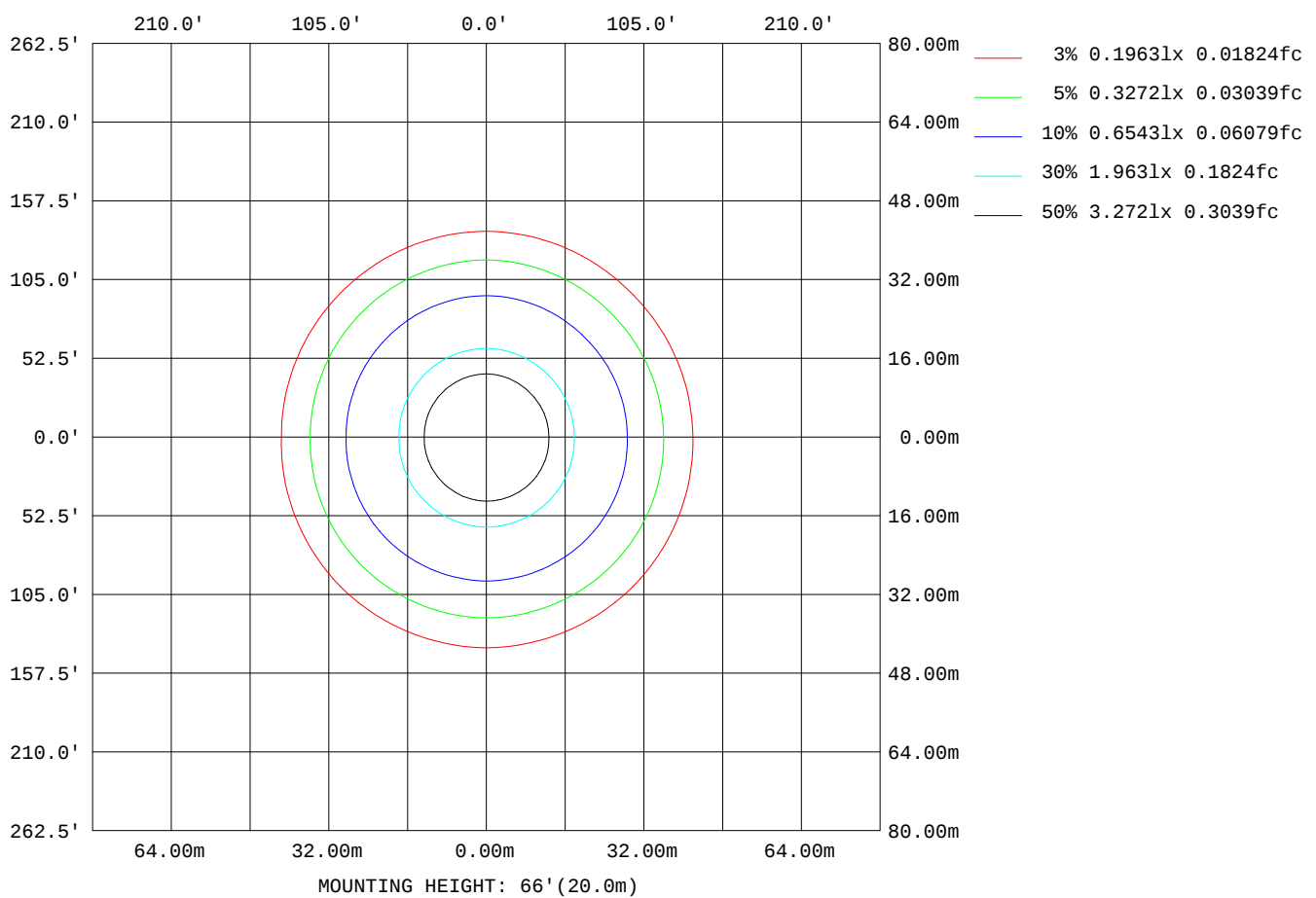
Note: The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
 C Interval: 45.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators: 1
 Test Date: 2025-04-10

γ Range: 0 - 90DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE G0-2000B_V1 SYSTEM V2.00.411
 Humidity: 65.0%
 Test Distance: 6.790m [K=1.0000]
 Remarks:

ISOLUX DIAGRAM

Test:U:219.32V I:0.3558A P:76.234W PF:0.9769 Freq:49.99Hz Lamp Flux:7701.57x1 lm		
NAME: LPB6012-WHTC72	TYPE:	WEIGHT:
SPEC.: white RA80 3000K+5700K	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.: 1.155*0.555	Shielding Angle:



C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:1
Test Date:2025-04-10

γ Range: 0 - 90DEG
γ Interval: 1.0DEG
Test System:EVERFINE G0-2000B_V1 SYSTEM V2.00.411
Humidity:65.0%
Test Distance:6.790m [K=1.0000]
Remarks:

LED Avg.L Report

Test:U:219.32V I:0.3558A P:76.234W PF:0.9769 Freq:49.99Hz Lamp Flux:7701.57x1 lm		
NAME: LPB6012-WHTC72	TYPE:	WEIGHT:
SPEC.: white RA80 3000K+5700K	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.: 1.155*0.555	Shielding Angle:

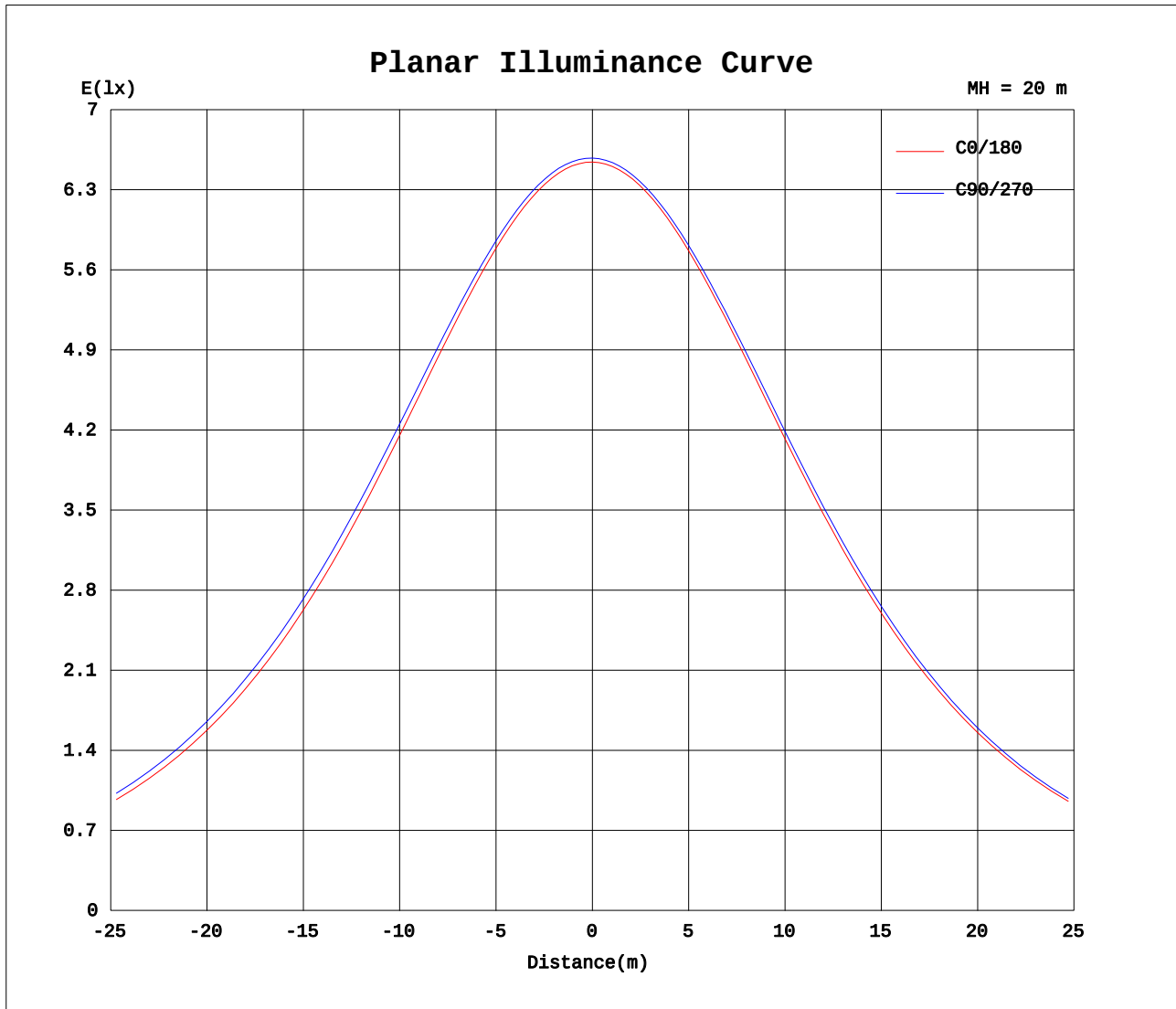
AvgL	cd/m2
L_0~180(65)av	3513
L_0~180(75)av	3083
L_0~180(85)av	2415
L_90~270(65)av	3649
L_90~270(75)av	3173
L_90~270(85)av	2449
L_45(65)av	3580
L_45(75)av	3118
L_45(85)av	2423

Standard: GB/T 29293-2012

C Range: 0 - 360DEG
 C Interval: 45.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:1
 Test Date:2025-04-10

γ Range: 0 - 90DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE G0-2000B_V1 SYSTEM V2.00.411
 Humidity:65.0%
 Test Distance:6.790m [K=1.0000]
 Remarks:

Planar Illuminance Curve



C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: 1
Test Date: 2025-04-10

γ Range: 0 - 90DEG
 γ Interval: 1.0DEG
Test System: EVERFINE G0-2000B_V1 SYSTEM V2.00.411
Humidity: 65.0%
Test Distance: 6.790m [K=1.0000]
Remarks:

```

Range: 0 - 90DEG
Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.411
Humidity:65.0%
Test Distance:6.790m [K=1.0000]
Remarks:

```