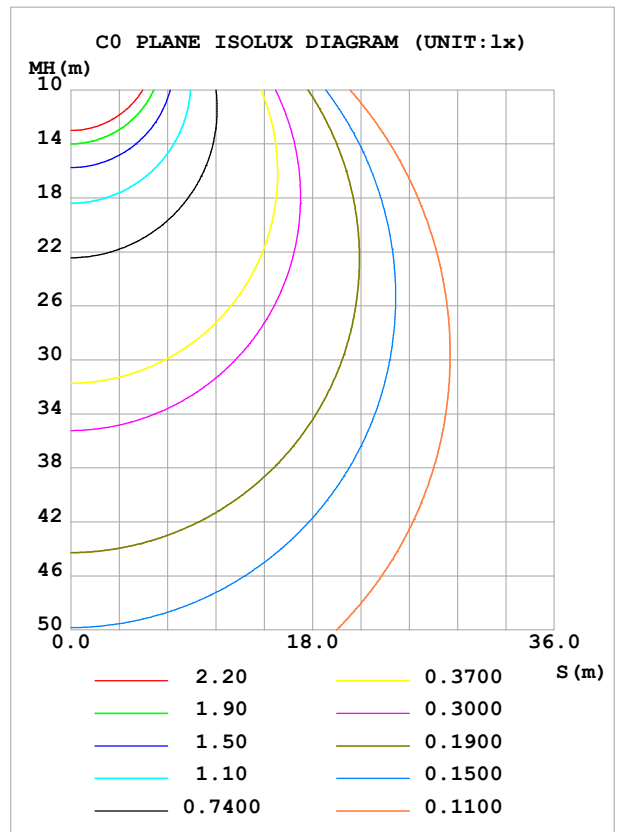
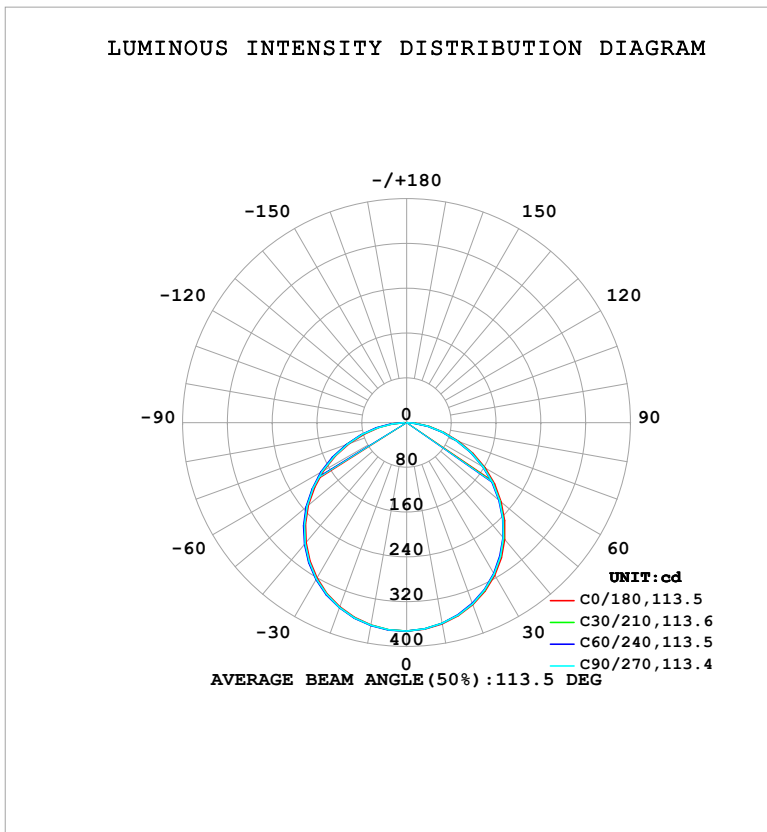


LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:121.04V I:0.2124A P:23.576W PF:0.9171 Freq:60.00Hz Lamp Flux:1082.25x1 lm		
NAME: LS-AL-12FL-24W-5CCT-BL	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.: 1#27K
MFR.: YOURZOR	SUR.: 0.274	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA				Eff: 45.90 lm/W
MODEL: LS-AL-12FL-24W-5CCT-BL-27K		Imax (cd)	372.2	S/MH (C0/180)		1.28
NOMINAL POWER (W)	24	LOR (%)	100.0	S/MH (C90/270)		1.29
RATED VOLTAGE (V)	120	TOTAL FLUX (lm)	1082.2	$\eta$ UP, DN (C0-180)		0.0, 48.5
NOMINAL FLUX (lm)	1082.25	CIE CLASS	DIRECT	$\eta$ UP, DN (C180-360)		0.0, 51.5
LAMPS INSIDE	1	$\eta$ up (%)	0.0	CIBSE SHR NOM		1.25
TEST VOLTAGE (V)	120	$\eta$ down (%)	100.0	CIBSE SHR MAX		1.35



C Range: 0 - 360DEG  
 C Interval: 30.0DEG  
 Test Speed: HIGH  
 Temperature: 25.3°C  
 Operators: DAMIN  
 Test Date: 2026-02-04

$\gamma$  Range: 0 - 90DEG  
 $\gamma$  Interval: 5.0DEG  
 Test System: EVERFINE GO-2000B\_V1 SYSTEM V2.00.488  
 Humidity: 65.0%  
 Test Distance: 6.144m [K=1.0000]  
 Remarks:

ZONAL FLUX DIAGRAM

ZONAL FLUX DIAGRAM:

$\gamma$	C0	C45	C90	C135	C180	C225	C270	C315	$\gamma$	$\Phi$ zone	$\Phi$ total	%lum, lamp
10	365.1	364.1	364.3	365.4	367.1	368.0	367.7	366.7	0- 10	35.23	35.23	3.26,3.26
20	346.0	344.0	344.3	346.4	349.9	351.7	351.1	349.1	10- 20	101.2	136.4	12.6,12.6
30	314.8	311.9	312.2	315.5	320.6	323.3	322.4	319.4	20- 30	154.0	290.4	26.8,26.8
40	272.4	268.7	269.1	273.1	279.8	283.4	282.1	278.4	30- 40	186.4	476.8	44.1,44.1
50	220.7	216.4	216.8	221.4	229.3	233.6	232.2	227.7	40- 50	193.9	670.7	62,62
60	161.7	157.5	157.8	162.4	171.0	176.0	174.3	169.3	50- 60	175.3	846.0	78.2,78.2
70	99.52	95.91	95.85	99.74	108.9	114.3	112.3	106.8	60- 70	134.0	980.0	90.5,90.5
80	41.25	38.52	38.52	41.37	49.06	54.54	52.86	46.88	70- 80	78.39	1058	97.8,97.8
90	0.8644	0.8951	0.9332	0.8679	2.323	5.021	4.762	2.100	80- 90	23.88	1082	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): 574.46 lm

%lum = 53.1%

%lamp = 53.1%

Conical surface Flux(130deg): 919.33 lm

%lum = 84.9%

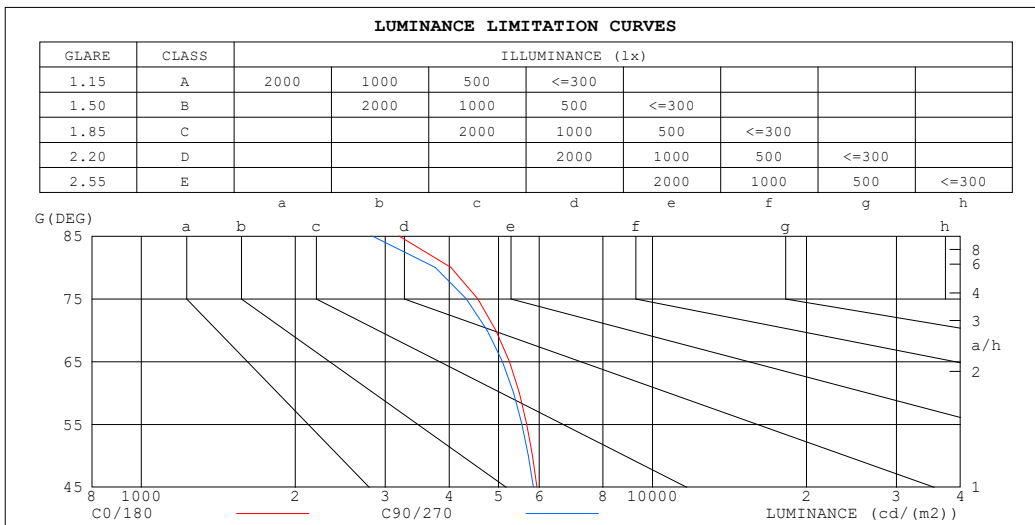
%lamp = 84.9%

C Range: 0 - 360DEG  
 C Interval: 30.0DEG  
 Test Speed: HIGH  
 Temperature:25.3°C  
 Operators:DAMIN  
 Test Date:2026-02-04

$\gamma$  Range: 0 - 90DEG  
 $\gamma$  Interval: 5.0DEG  
 Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.00.488  
 Humidity:65.0%  
 Test Distance:6.144m [K=1.0000]  
 Remarks:

**LUMINANCE LIMITATION CURVES**

Test:U:121.04V I:0.2124A P:23.576W PF:0.9171 Freq:60.00Hz Lamp Flux:1082.25x1 lm		
NAME: LS-AL-12FL-24W-5CCT-BL	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.: 1#27K
MFR.: YOURZOR	SUR.: 0.274	Shielding Angle:



LUMINANCE cd/(m2)		
G (DEG)	C0/180	C90/270
85	3190	2828
80	4029	3758
75	4548	4321
70	4935	4748
65	5248	5081
60	5485	5346
55	5673	5551
50	5823	5715
45	5939	5846

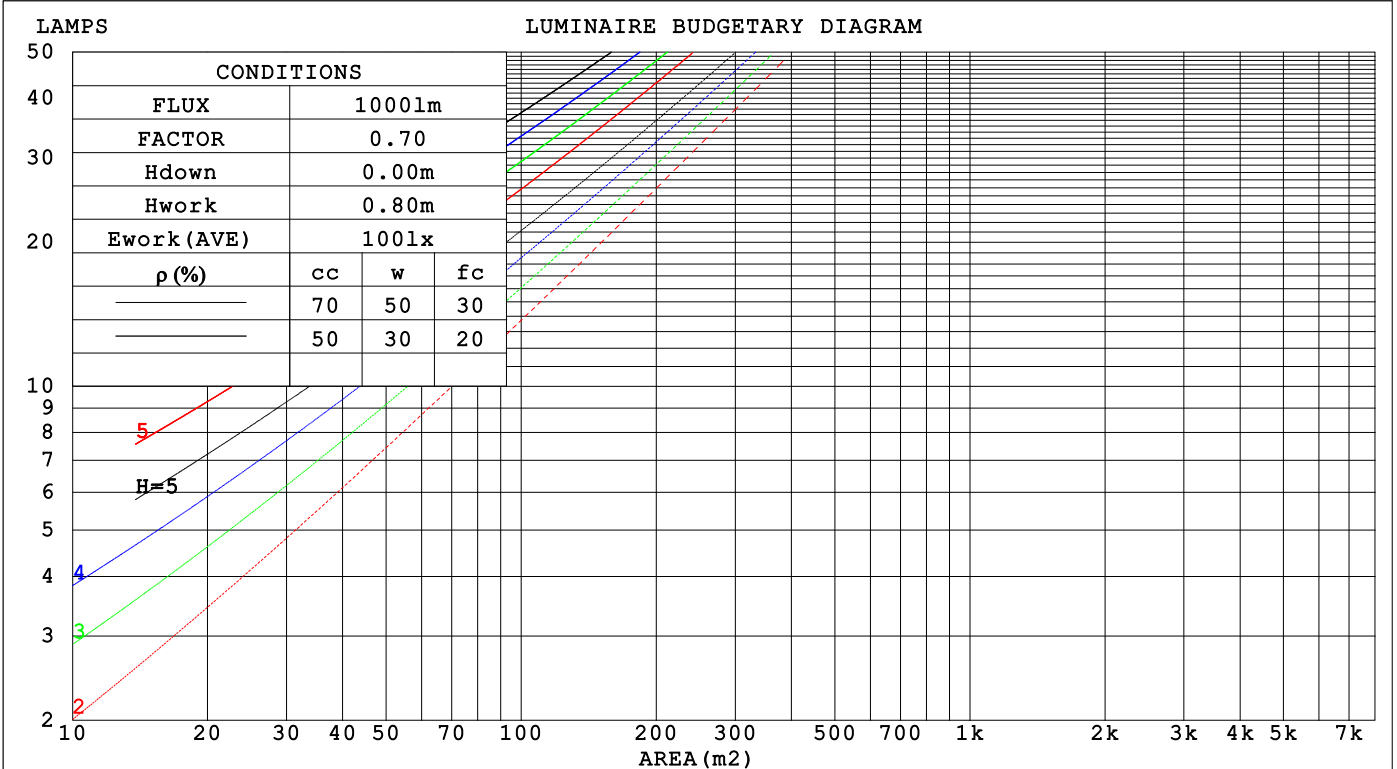
C Range: 0 - 360DEG  
 C Interval: 30.0DEG  
 Test Speed: HIGH  
 Temperature:25.3°C  
 Operators:DAMIN  
 Test Date:2026-02-04

γ Range: 0 - 90DEG  
 γ Interval: 5.0DEG  
 Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.00.488  
 Humidity:65.0%  
 Test Distance:6.144m [K=1.0000]  
 Remarks:

**CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM**

Test:U:121.04V I:0.2124A P:23.576W PF:0.9171 Freq:60.00Hz Lamp Flux:1082.25x1 lm		
NAME: LS-AL-12FL-24W-5CCT-BL	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.: 1#27K
MFR.: YOURZOR	SUR.: 0.274	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															
	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	1.04	.99	.95	1.01	.97	.94	.97	.94	.91	.93	.90	.88	.90	.87	.85	.83
2.0	.90	.83	.77	.88	.82	.76	.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	.40	.35	.33
8.0	.46	.38	.32	.46	.37	.32	.44	.37	.32	.43	.36	.31	.42	.36	.31	.29
9.0	.43	.34	.29	.42	.34	.29	.41	.34	.28	.40	.33	.28	.39	.33	.28	.26
10.0	.39	.31	.26	.39	.31	.26	.38	.31	.26	.37	.30	.26	.36	.30	.26	.24



C Range: 0 - 360DEG  
 C Interval: 30.0DEG  
 Test Speed: HIGH  
 Temperature:25.3°C  
 Operators:DAMIN  
 Test Date:2026-02-04

γ Range: 0 - 90DEG  
 γ Interval: 5.0DEG  
 Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.00.488  
 Humidity:65.0%  
 Test Distance:6.144m [K=1.0000]  
 Remarks:

**WEC AND CCEC**

Test:U:121.04V I:0.2124A P:23.576W PF:0.9171 Freq:60.00Hz Lamp Flux:1082.25x1 lm		
NAME: LS-AL-12FL-24W-5CCT-BL	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.: 1#27K
MFR.: YOURZOR	SUR.: 0.274	Shielding Angle:

$\rho_{CC}$	80%			70%			50%			30%			10%			0
$\rho_w$	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
$\rho_{fc}$	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio						Wall Exitance Coefficients (WEC)									
0.0																
1.0	.315	.179	.057	.308	.175	.056	.294	.169	.054	.282	.163	.052	.271	.157	.051	
2.0	.295	.162	.050	.289	.159	.049	.277	.154	.048	.266	.149	.047	.256	.145	.046	
3.0	.272	.145	.043	.267	.143	.043	.256	.139	.042	.247	.135	.041	.238	.132	.041	
4.0	.251	.130	.038	.246	.129	.038	.237	.126	.038	.228	.123	.037	.220	.120	.036	
5.0	.232	.118	.034	.227	.117	.034	.219	.114	.034	.212	.112	.033	.204	.109	.033	
6.0	.215	.108	.031	.211	.107	.031	.204	.104	.030	.197	.102	.030	.190	.100	.030	
7.0	.200	.099	.028	.196	.098	.028	.190	.096	.028	.184	.094	.027	.178	.092	.027	
8.0	.186	.091	.026	.183	.090	.026	.178	.089	.025	.172	.087	.025	.167	.086	.025	
9.0	.175	.084	.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	

$\rho_{CC}$	80%			70%			50%			30%			10%			0
$\rho_w$	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
$\rho_{fc}$	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	.155	.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: 30.0DEG  
 Test Speed: HIGH  
 Temperature:25.3°C  
 Operators:DAMIN  
 Test Date:2026-02-04

$\gamma$  Range: 0 - 90DEG  
 $\gamma$  Interval: 5.0DEG  
 Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.00.488  
 Humidity:65.0%  
 Test Distance:6.144m [K=1.0000]  
 Remarks:

**UGR(Unified Glare Rating) Table**

Test:U:121.04V I:0.2124A P:23.576W PF:0.9171 Freq:60.00Hz										
Lamp Flux:1082.25x1 lm										
NAME: LS-AL-12FL-24W-5CCT-BL					TYPE:			WEIGHT:		
SPEC.:					DIM.:			SERIAL No.: 1#27K		
MFR.: YOURZOR					SUR.: 0.274			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	18.5	20.0	18.8	20.2	20.4	18.4	19.9	18.6	20.1	20.3
3H	19.9	21.4	20.2	21.6	21.8	19.8	21.2	20.1	21.4	21.7
4H	20.5	21.9	20.8	22.1	22.4	20.3	21.7	20.7	21.9	22.2
6H	20.9	22.2	21.2	22.4	22.7	20.7	22.0	21.0	22.2	22.5
8H	21.0	22.2	21.3	22.5	22.8	20.7	22.0	21.1	22.2	22.5
12H	21.0	22.2	21.4	22.5	22.8	20.8	21.9	21.1	22.2	22.5
4H 2H	19.0	20.4	19.4	20.6	20.9	19.0	20.3	19.3	20.6	20.8
3H	20.7	21.9	21.0	22.2	22.5	20.6	21.7	20.9	22.0	22.3
4H	21.4	22.5	21.8	22.8	23.1	21.2	22.3	21.6	22.6	23.0
6H	21.9	22.8	22.3	23.2	23.5	21.7	22.6	22.1	23.0	23.3
8H	22.0	22.9	22.4	23.2	23.6	21.7	22.6	22.2	23.0	23.4
12H	22.0	22.9	22.5	23.3	23.7	21.8	22.6	22.2	23.0	23.4
8H 4H	21.6	22.5	22.0	22.9	23.2	21.5	22.4	21.9	22.7	23.1
6H	22.2	22.9	22.6	23.3	23.8	22.0	22.8	22.5	23.2	23.6
8H	22.4	23.0	22.8	23.4	23.9	22.1	22.8	22.6	23.2	23.7
12H	22.5	23.1	23.0	23.5	24.0	22.2	22.8	22.7	23.3	23.7
12H 4H	21.6	22.4	22.0	22.8	23.2	21.5	22.3	21.9	22.7	23.1
6H	22.2	22.9	22.7	23.3	23.7	22.0	22.7	22.5	23.1	23.6
8H	22.4	23.0	22.9	23.4	23.9	22.2	22.8	22.7	23.2	23.7
Variations with the observer position at spacings(CIE Pub.117):										
S = 1.0H	+ 0.1 / - 0.2					+ 0.1 / - 0.2				
1.5H	+ 0.1 / - 0.3					+ 0.1 / - 0.3				
2.0H	+ 0.3 / - 0.3					+ 0.3 / - 0.3				

CIE Pub.117, 1082 lm Total Lamp Luminous Flux Correct (8log(F/F0) = 0.3)  
 Area: 0.059 m2

C Range: 0 - 360DEG  
 C Interval: 30.0DEG  
 Test Speed: HIGH  
 Temperature:25.3°C  
 Operators:DAMIN  
 Test Date:2026-02-04

γ Range: 0 - 90DEG  
 γ Interval: 5.0DEG  
 Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.00.488  
 Humidity:65.0%  
 Test Distance:6.144m [K=1.0000]  
 Remarks:

**UTILIZATION FACTORS TABLE**

Test:U:121.04V I:0.2124A P:23.576W PF:0.9171 Freq:60.00Hz Lamp Flux:1082.25x1 lm		
NAME: LS-AL-12FL-24W-5CCT-BL	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.: 1#27K
MFR.: YOURZOR	SUR.: 0.274	Shielding Angle:

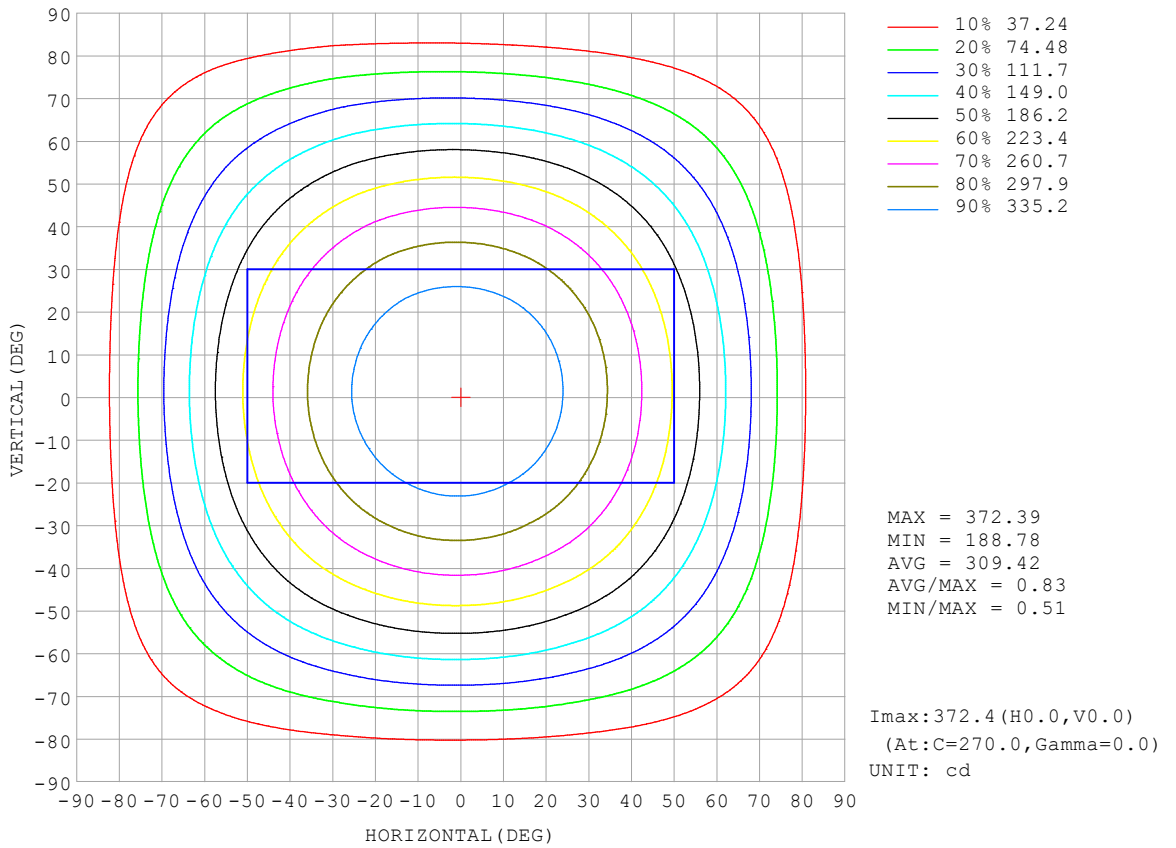
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS (PERCENT) $k(RI) \times RCR = 5$									
k = 0.60	57	46	39	56	45	38	55	45	38	32
0.80	67	56	48	66	55	48	64	54	48	41
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	79	93	85	79	89	83	77	69
2.50	99	91	85	97	89	84	93	87	82	73
3.00	102	95	89	100	93	88	96	91	86	78
4.00	106	100	95	104	98	94	99	95	91	83
5.00	108	104	99	106	102	98	101	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: 30.0DEG  
 Test Speed: HIGH  
 Temperature:25.3°C  
 Operators:DAMIN  
 Test Date:2026-02-04

$\gamma$  Range: 0 - 90DEG  
 $\gamma$  Interval: 5.0DEG  
 Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.00.488  
 Humidity:65.0%  
 Test Distance:6.144m [K=1.0000]  
 Remarks:

**ISOCANDELA DIAGRAM**

Test:U:121.04V I:0.2124A P:23.576W PF:0.9171 Freq:60.00Hz Lamp Flux:1082.25x1 lm		
NAME: LS-AL-12FL-24W-5CCT-BL	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.: 1#27K
MFR.: YOURZOR	SUR.: 0.274	Shielding Angle:

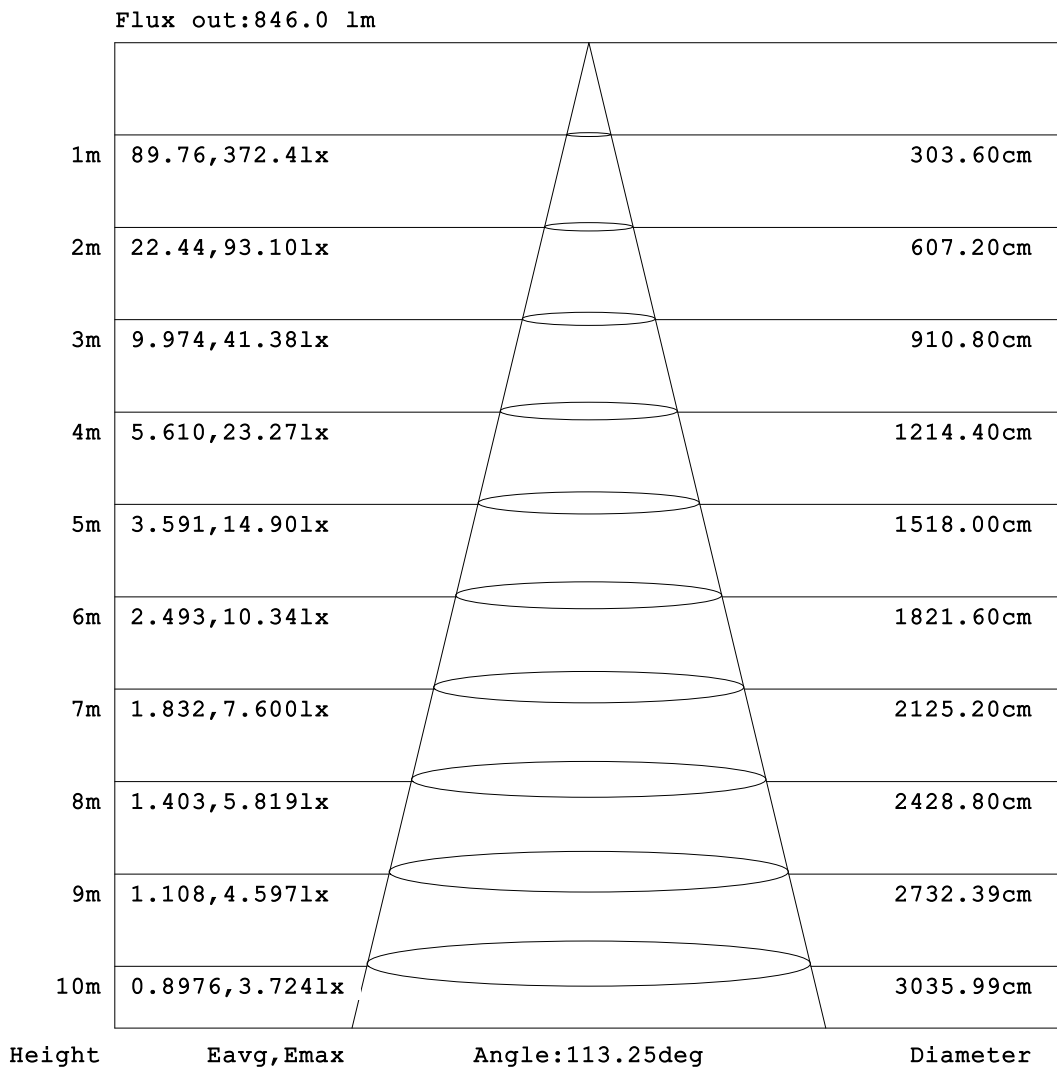


C Range: 0 - 360DEG  
 C Interval: 30.0DEG  
 Test Speed: HIGH  
 Temperature:25.3°C  
 Operators:DAMIN  
 Test Date:2026-02-04

γ Range: 0 - 90DEG  
 γ Interval: 5.0DEG  
 Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.00.488  
 Humidity:65.0%  
 Test Distance:6.144m [K=1.0000]  
 Remarks:

**AAI Figure**

Test:U:121.04V I:0.2124A P:23.576W PF:0.9171 Freq:60.00Hz Lamp Flux:1082.25x1 lm		
NAME: LS-AL-12FL-24W-5CCT-BL	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.: 1#27K
MFR.: YOURZOR	SUR.: 0.274	Shielding Angle:



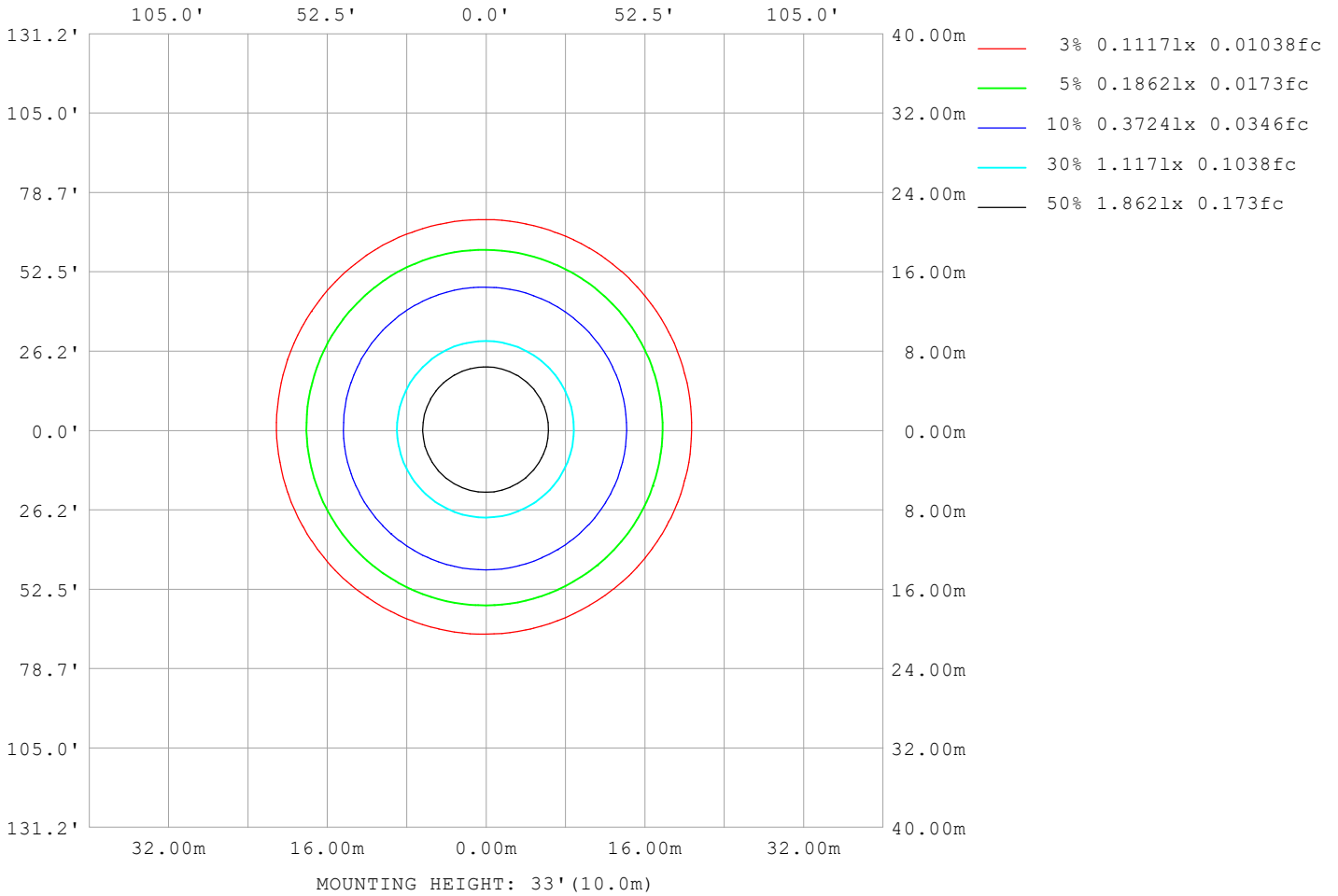
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG  
C Interval: 30.0DEG  
Test Speed: HIGH  
Temperature:25.3°C  
Operators:DAMIN  
Test Date:2026-02-04

γ Range: 0 - 90DEG  
γ Interval: 5.0DEG  
Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.00.488  
Humidity:65.0%  
Test Distance:6.144m [K=1.0000]  
Remarks:

**ISOLUX DIAGRAM**

Test:U:121.04V I:0.2124A P:23.576W PF:0.9171 Freq:60.00Hz Lamp Flux:1082.25x1 lm		
NAME: LS-AL-12FL-24W-5CCT-BL	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.: 1#27K
MFR.: YOURZOR	SUR.: 0.274	Shielding Angle:



C Range: 0 - 360DEG  
 C Interval: 30.0DEG  
 Test Speed: HIGH  
 Temperature:25.3°C  
 Operators:DAMIN  
 Test Date:2026-02-04

γ Range: 0 - 90DEG  
 γ Interval: 5.0DEG  
 Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.00.488  
 Humidity:65.0%  
 Test Distance:6.144m [K=1.0000]  
 Remarks:

**LED Avg.L Report**

Test:U:121.04V I:0.2124A P:23.576W PF:0.9171 Freq:60.00Hz Lamp Flux:1082.25x1 lm		
NAME: LS-AL-12FL-24W-5CCT-BL	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.: 1#27K
MFR.: YOURZOR	SUR.: 0.274	Shielding Angle:

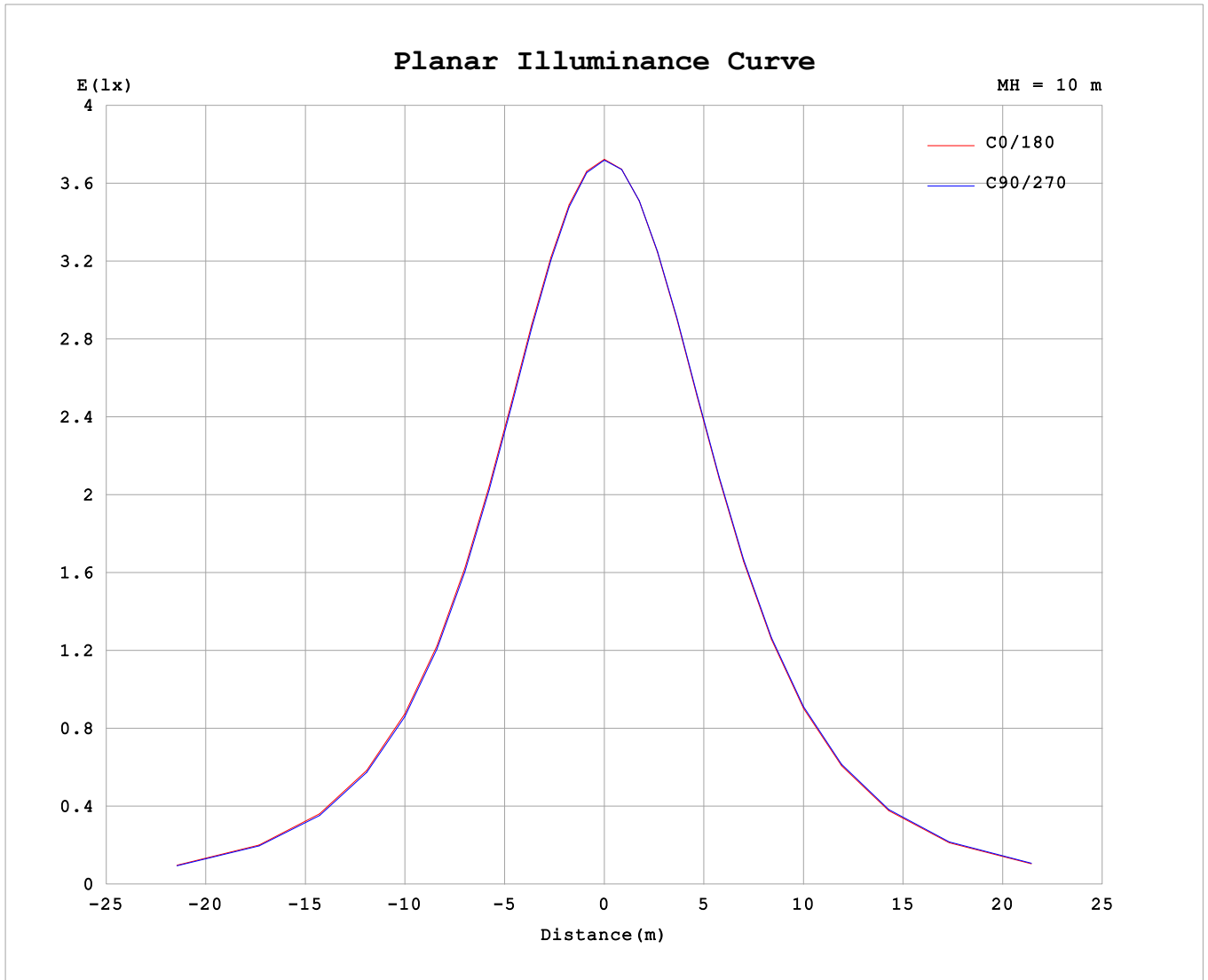
AvgL	cd/m2
L_0~180 (65) av	5431
L_0~180 (75) av	4827
L_0~180 (85) av	3851
L_90~270 (65) av	5419
L_90~270 (75) av	4836
L_90~270 (85) av	3971
L_45 (65) av	5429
L_45 (75) av	4832
L_45 (85) av	3897

Standard: GB/T 29293-2012

C Range: 0 - 360DEG  
 C Interval: 30.0DEG  
 Test Speed: HIGH  
 Temperature:25.3°C  
 Operators:DAMIN  
 Test Date:2026-02-04

γ Range: 0 - 90DEG  
 γ Interval: 5.0DEG  
 Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.00.488  
 Humidity:65.0%  
 Test Distance:6.144m [K=1.0000]  
 Remarks:

**Planar Illuminance Curve**



C Range: 0 - 360DEG  
 C Interval: 30.0DEG  
 Test Speed: HIGH  
 Temperature: 25.3°C  
 Operators: DAMIN  
 Test Date: 2026-02-04

γ Range: 0 - 90DEG  
 γ Interval: 5.0DEG  
 Test System: EVERFINE GO-2000B\_V1 SYSTEM V2.00.488  
 Humidity: 65.0%  
 Test Distance: 6.144m [K=1.0000]  
 Remarks:

