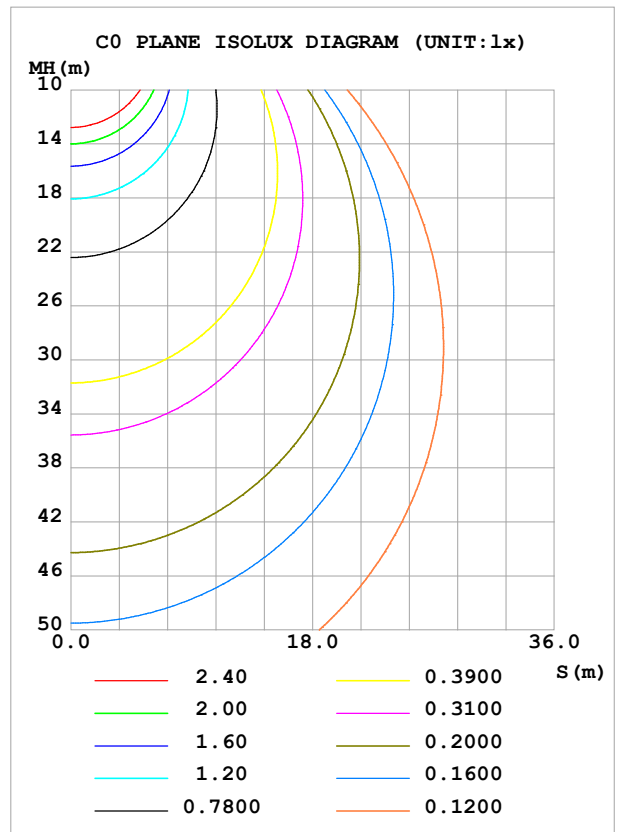
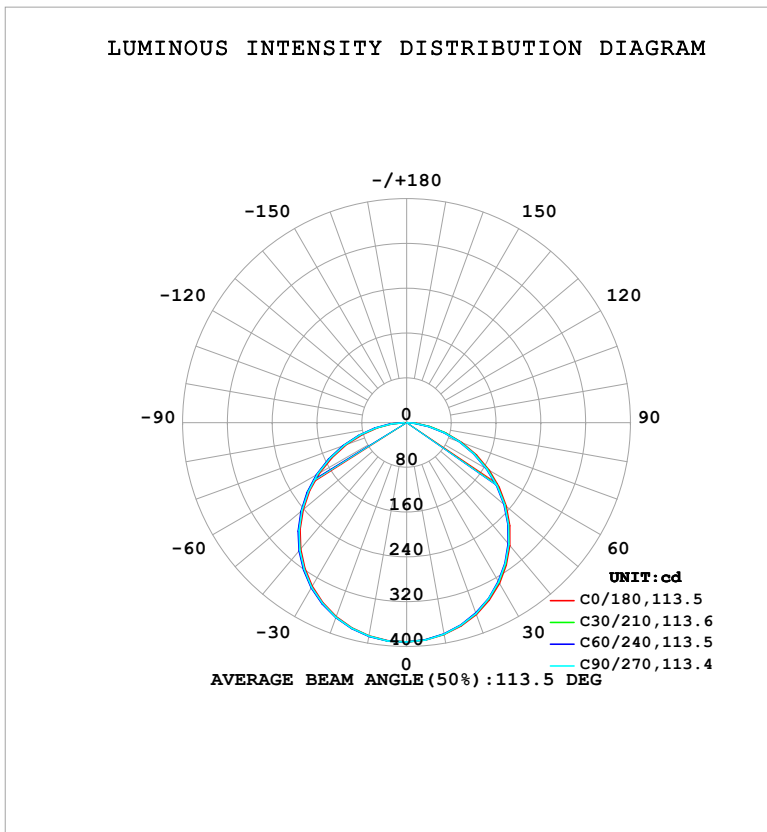


LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:121.04V I:0.2124A P:23.575W PF:0.9171 Freq:60.00Hz Lamp Flux:1139.79x1 lm		
NAME: LS-AL-12TL-24W-5CCT-G	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.: 1#27K
MFR.: YOURZOR	SUR.: 0.274	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA				Eff: 48.35 lm/W
MODES-AL-12TL-24W-5CCT-G-27K		I _{max} (cd)	391.9	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)	1139.8	η UP, DN (C0-180)		0.0,48.5
NOMINAL FLUX (lm)	1139.79	CIE CLASS	DIRECT	η UP, DN (C180-360)		0.0,51.5
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



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:

ZONAL FLUX DIAGRAM

ZONAL FLUX DIAGRAM:

γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum,lamp
10	384.6	383.4	383.8	384.8	386.7	387.5	387.3	386.2	0- 10	37.11	37.11	3.26,3.26
20	364.4	362.2	362.7	364.9	368.5	370.3	369.8	367.6	10- 20	106.6	143.7	12.6,12.6
30	331.6	328.5	328.9	332.2	337.6	340.4	339.5	336.4	20- 30	162.2	305.8	26.8,26.8
40	287.0	283.1	283.6	287.7	294.8	298.4	297.1	293.2	30- 40	196.3	502.2	44.1,44.1
50	232.5	228.0	228.4	233.2	241.5	246.0	244.4	239.8	40- 50	204.2	706.4	62,62
60	170.3	165.9	166.2	171.1	180.1	185.4	183.6	178.3	50- 60	184.7	891.0	78.2,78.2
70	104.8	101.1	101.0	105.0	114.7	120.3	118.2	112.4	60- 70	141.1	1032	90.6,90.6
80	43.46	40.57	40.61	43.57	51.69	57.40	55.62	49.36	70- 80	82.55	1115	97.8,97.8
90	0.9113	0.9397	0.9854	0.9145	2.450	5.276	5.006	2.209	80- 90	25.15	1140	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): 605.01 lm

%lum = 53.1%

%lamp = 53.1%

Conical surface Flux(130deg): 968.23 lm

%lum = 84.9%

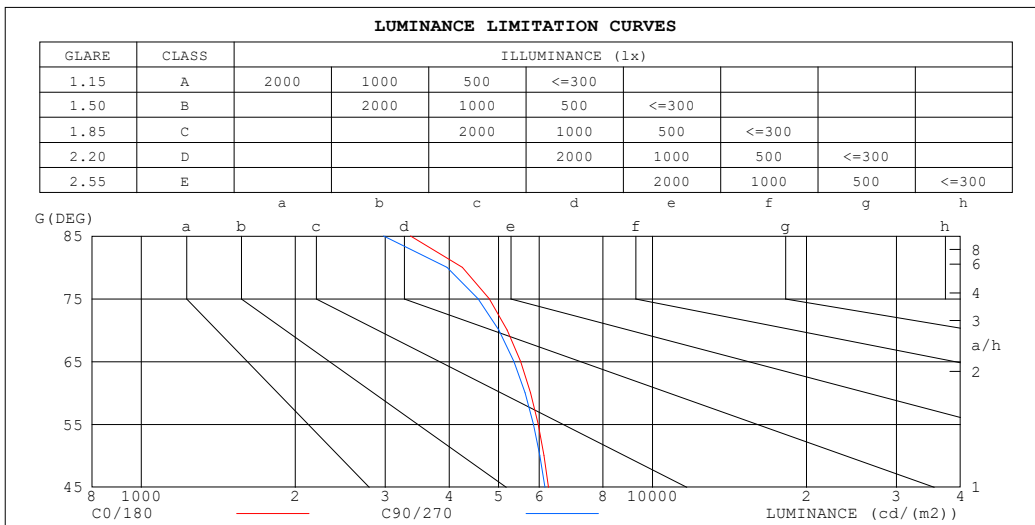
%lamp = 84.9%

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

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:

LUMINANCE LIMITATION CURVES

Test:U:121.04V I:0.2124A P:23.575W PF:0.9171 Freq:60.00Hz Lamp Flux:1139.79x1 lm		
NAME: LS-AL-12TL-24W-5CCT-G	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	3359	2979
80	4243	3962
75	4791	4554
70	5196	5004
65	5524	5354
60	5776	5631
55	5972	5847
50	6131	6021
45	6254	6158

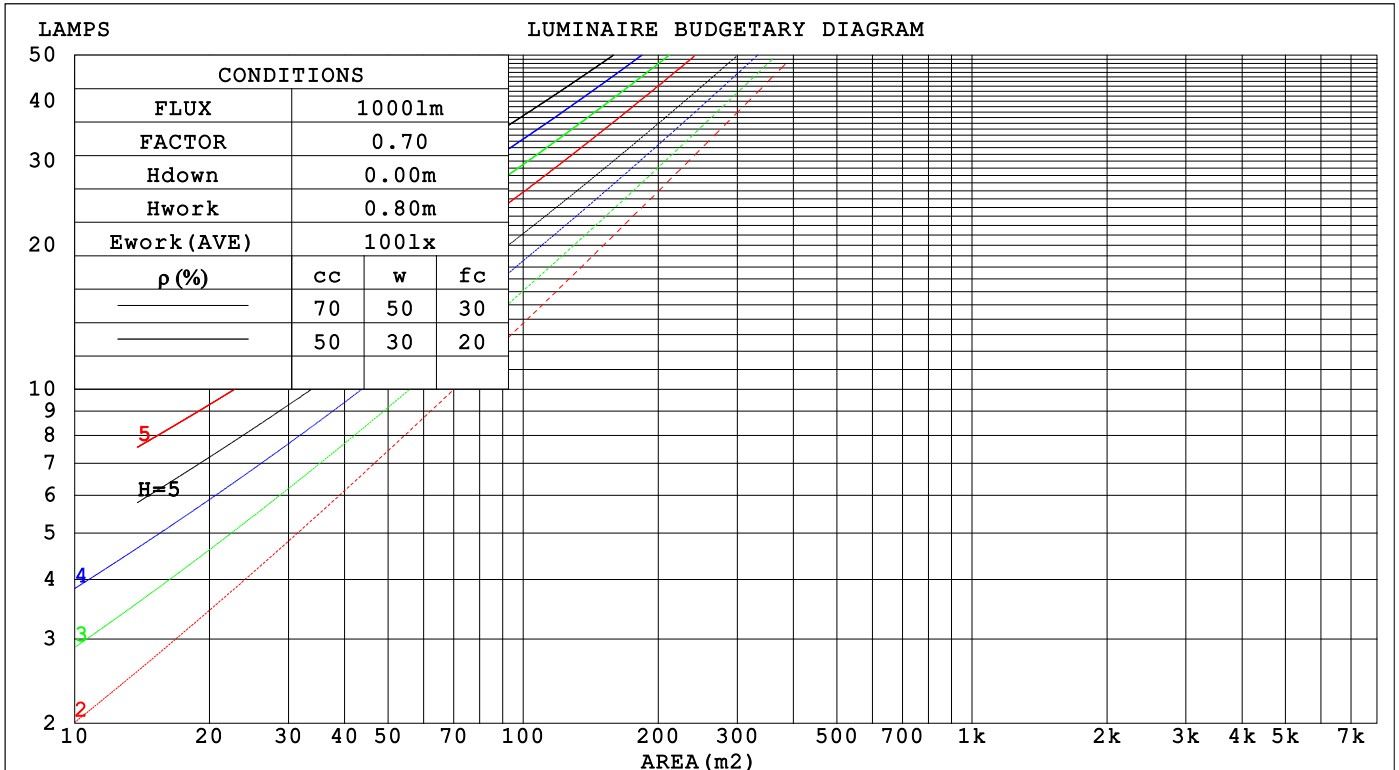
C Range: 0 - 360DEG
 C Interval: 30.0DEG
 Test Speed: HIGH
 Temperature:25.3°C
 Operators:DAMIN
 Test Date:2026-02-04

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:23.575W PF:0.9171 Freq:60.00Hz Lamp Flux:1139.79x1 lm		
NAME: LS-AL-12TL-24W-5CCT-G	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%
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:23.575W PF:0.9171 Freq:60.00Hz Lamp Flux:1139.79x1 lm		
NAME: LS-AL-12TL-24W-5CCT-G	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.: 1#27K
MFR.: YOURZOR	SUR.: 0.274	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						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	

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	.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

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:

UGR(Unified Glare Rating) Table

Test:U:121.04V I:0.2124A P:23.575W PF:0.9171 Freq:60.00Hz Lamp Flux:1139.79x1 lm		
NAME: LS-AL-12TL-24W-5CCT-G	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	22.3	22.5
12H	21.0	22.2	21.4	22.5	22.8	20.8	22.0	21.1	22.2	22.6
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	23.4
8H	22.0	22.9	22.4	23.2	23.6	21.8	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	22.3	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, 1140 lm Total Lamp Luminous Flux Correct (8log(F/F0) = 0.5)
Area: 0.059 m2

C Range: 0 - 360DEG	γ Range: 0 - 90DEG
C Interval: 30.0DEG	γ Interval: 5.0DEG
Test Speed: HIGH	Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.488
Temperature:25.3°C	Humidity:65.0%
Operators:DAMIN	Test Distance:6.144m [K=1.0000]
Test Date:2026-02-04	Remarks:

UTILIZATION FACTORS TABLE

Test:U:121.04V I:0.2124A P:23.575W PF:0.9171 Freq:60.00Hz Lamp Flux:1139.79x1 lm		
NAME: LS-AL-12TL-24W-5CCT-G	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.: 1#27K
MFR.: YOURZOR	SUR.: 0.274	Shielding Angle:

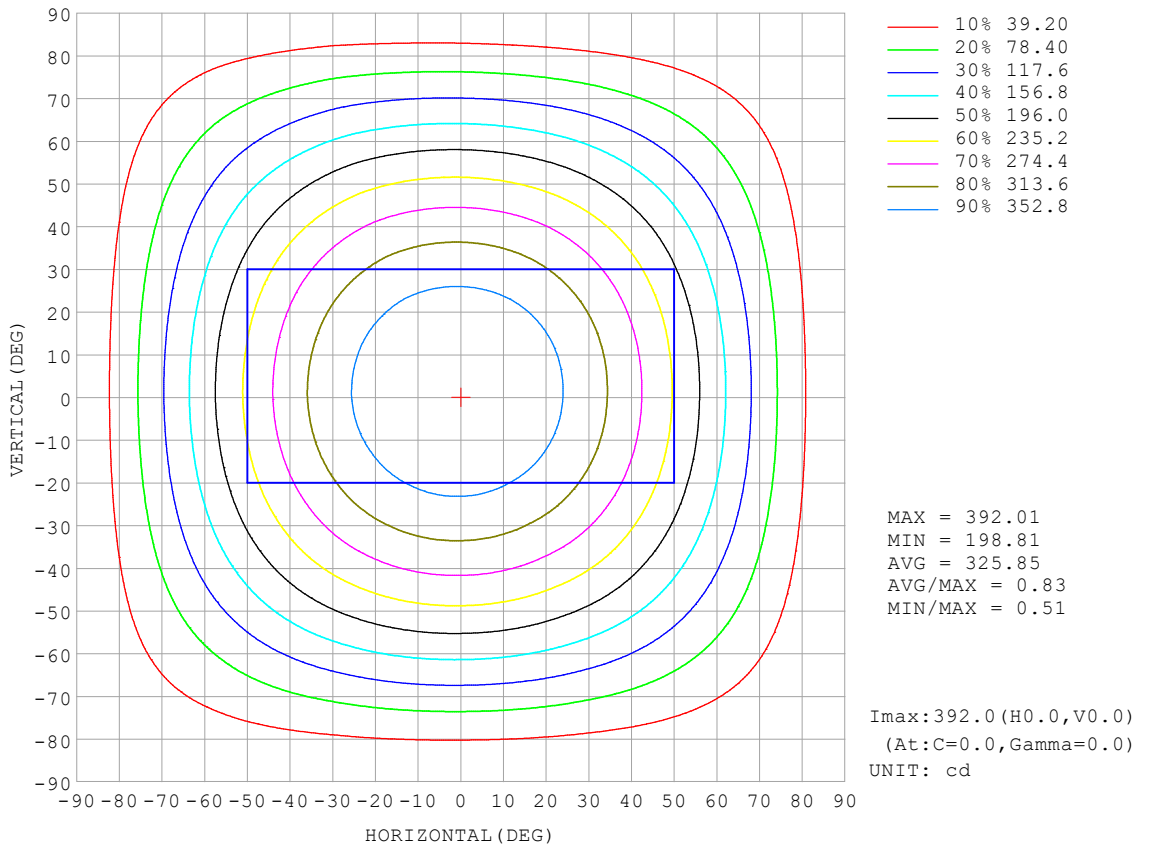
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS (PERCENT) $k(RI) \times RCR = 5$									
k = 0.60	57	46	39	56	45	38	55	45	38	32
0.80	67	56	48	66	55	48	64	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

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:

ISOCANDELA DIAGRAM

Test:U:121.04V I:0.2124A P:23.575W PF:0.9171 Freq:60.00Hz Lamp Flux:1139.79x1 lm		
NAME: LS-AL-12TL-24W-5CCT-G	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.: 1#27K
MFR.: YOURZOR	SUR.: 0.274	Shielding Angle:

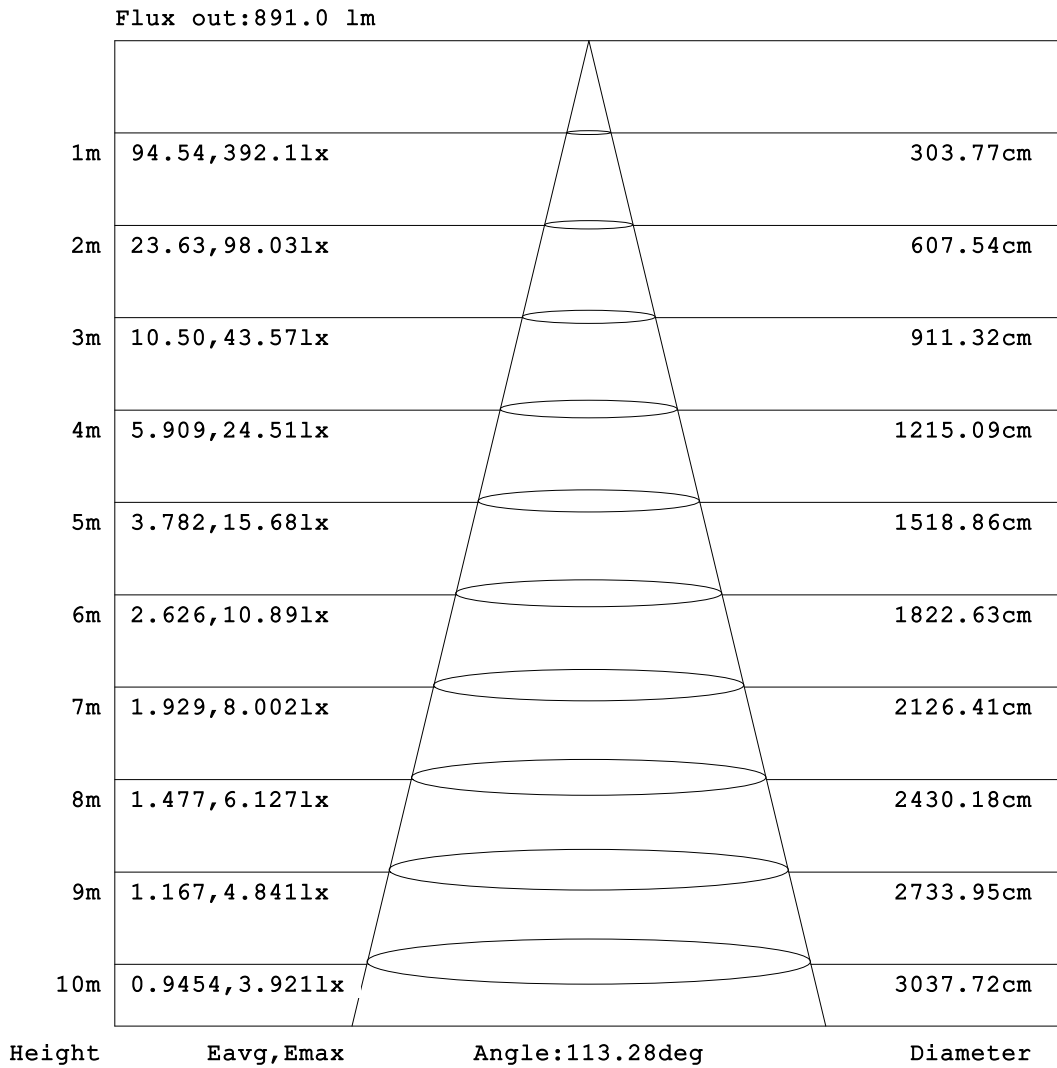


C Range: 0 - 360DEG
 C Interval: 30.0DEG
 Test Speed: HIGH
 Temperature:25.3°C
 Operators:DAMIN
 Test Date:2026-02-04

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:23.575W PF:0.9171 Freq:60.00Hz Lamp Flux:1139.79x1 lm		
NAME: LS-AL-12TL-24W-5CCT-G	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.: 1#27K
MFR.: YOURZOR	SUR.: 0.274	Shielding Angle:



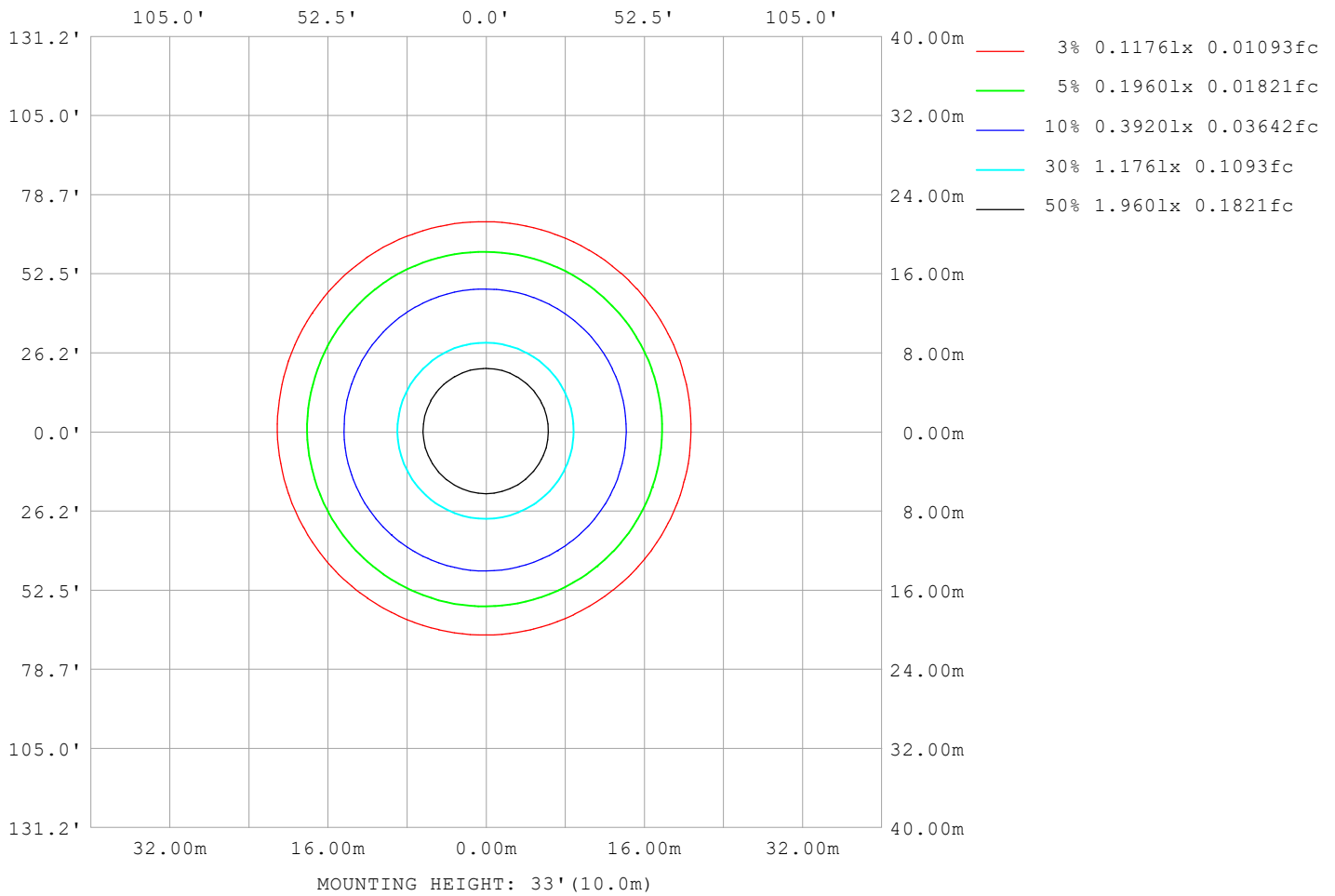
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

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:23.575W PF:0.9171 Freq:60.00Hz Lamp Flux:1139.79x1 lm		
NAME: LS-AL-12TL-24W-5CCT-G	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:23.575W PF:0.9171 Freq:60.00Hz Lamp Flux:1139.79x1 lm		
NAME: LS-AL-12TL-24W-5CCT-G	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.: 1#27K
MFR.: YOURZOR	SUR.: 0.274	Shielding Angle:

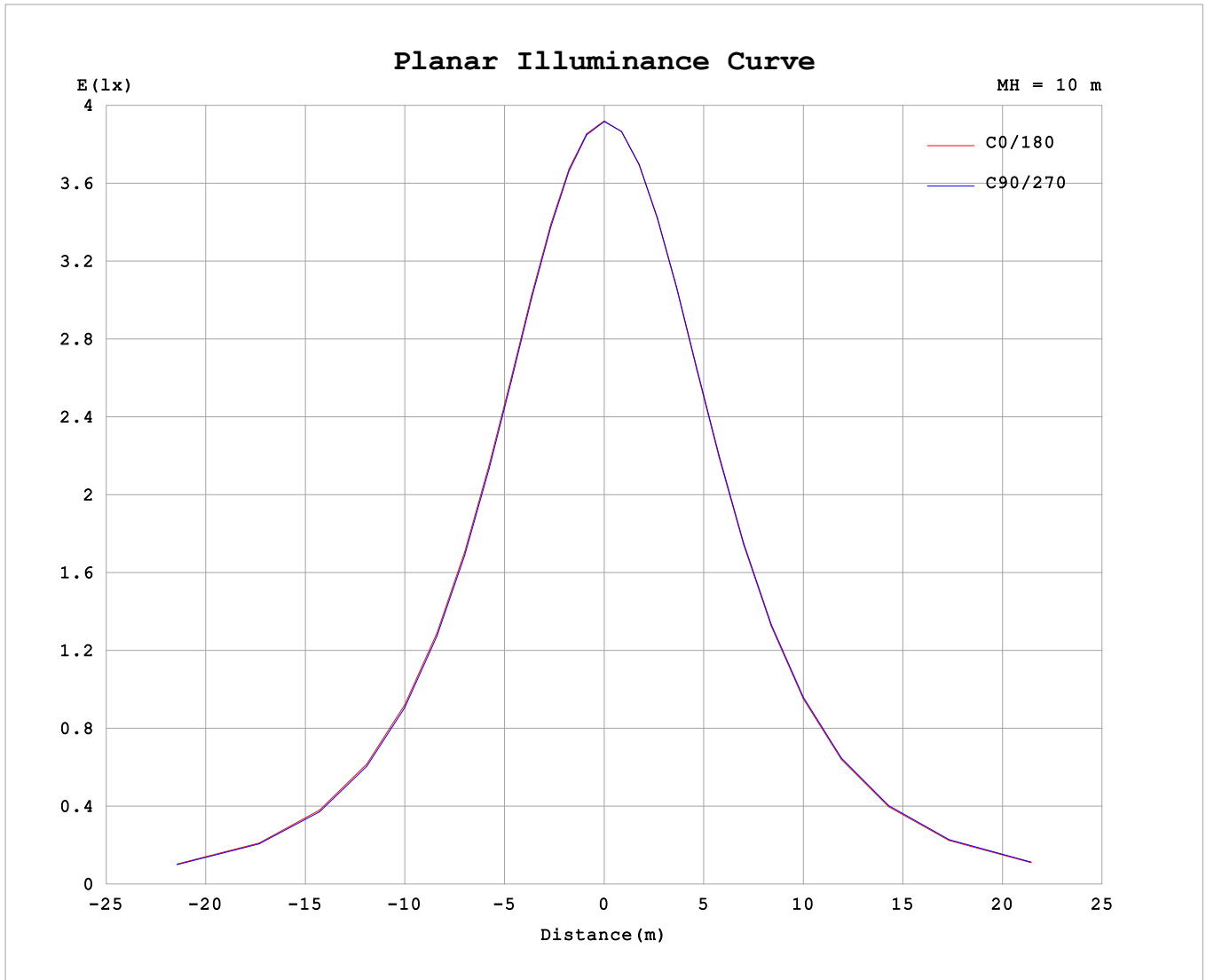
AvgL	cd/m2
L_0~180 (65) av	5719
L_0~180 (75) av	5086
L_0~180 (85) av	4058
L_90~270 (65) av	5706
L_90~270 (75) av	5089
L_90~270 (85) av	4181
L_45 (65) av	5717
L_45 (75) av	5088
L_45 (85) av	4104

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:

