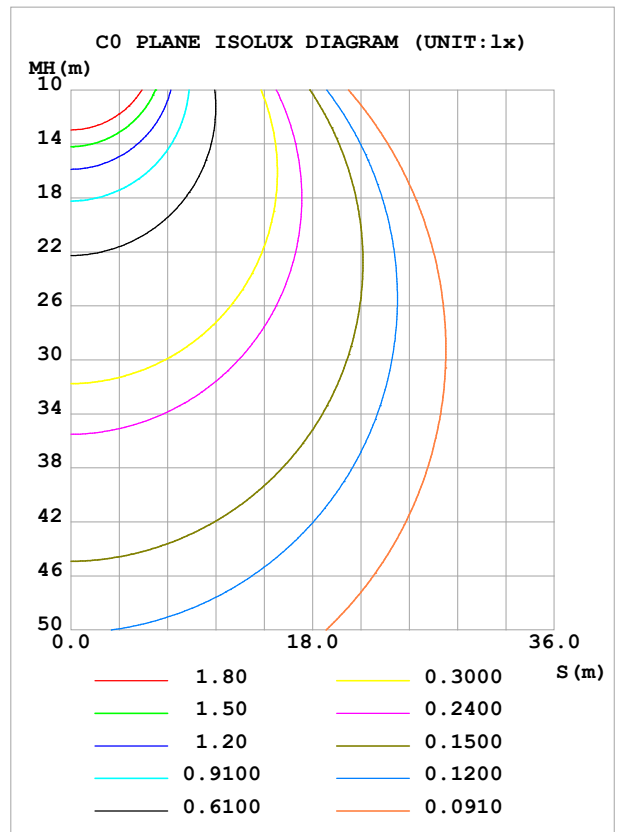
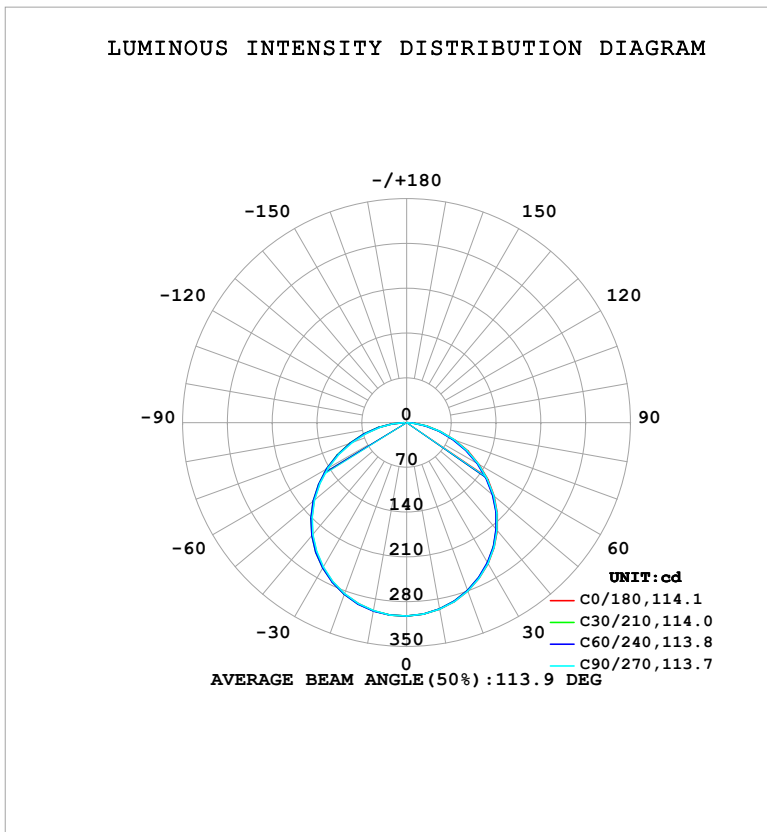


LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:121.03V I:0.1640A P:18.448W PF:0.9292 Freq:60.00Hz Lamp Flux:883.287x1 lm		
NAME: LS-AL-9TL-18W-5CCT-G	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.: 1#27K
MFR.: YOURZOR	SUR.: 0.199	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA			
MODELS-AL-9TL-18W-5CCT-G-27K		Imax (cd)	302.5	S/MH (C0/180)	1.28
NOMINAL POWER (W)	18	LOR (%)	100.0	S/MH (C90/270)	1.28
RATED VOLTAGE (V)	120	TOTAL FLUX (lm)	883.29	η UP, DN (C0-180)	0.0, 48.6
NOMINAL FLUX (lm)	883.287	CIE CLASS	DIRECT	η UP, DN (C180-360)	0.0, 51.4
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	296.2	295.8	296.3	297.3	298.6	299.1	298.5	297.6	0- 10	28.63	28.63	3.24,3.24
20	280.2	279.1	280.1	282.1	284.8	285.7	284.6	282.7	10- 20	82.18	110.8	12.5,12.5
30	254.6	252.9	254.2	257.4	261.4	262.7	261.0	258.3	20- 30	125.0	235.8	26.7,26.7
40	220.2	218.0	219.7	223.8	229.1	230.6	228.4	224.9	30- 40	151.5	387.3	43.8,43.8
50	178.6	175.8	177.7	182.6	189.0	190.9	188.3	184.2	40- 50	157.9	545.2	61.7,61.7
60	131.0	127.9	129.9	135.5	142.7	144.6	141.7	137.1	50- 60	143.3	688.5	77.9,77.9
70	80.76	77.22	78.87	85.10	92.67	94.30	90.89	86.77	60- 70	110.1	798.6	90.4,90.4
80	33.23	30.02	31.19	37.04	43.85	45.22	41.97	38.52	70- 80	64.80	863.4	97.7,97.7
90	0.7270	0.7253	0.7236	0.7884	2.801	4.744	3.808	1.307	80- 90	19.92	883.3	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): 466.74 lm

%lum = 52.8%

%lamp = 52.8%

Conical surface Flux(130deg): 748.68 lm

%lum = 84.8%

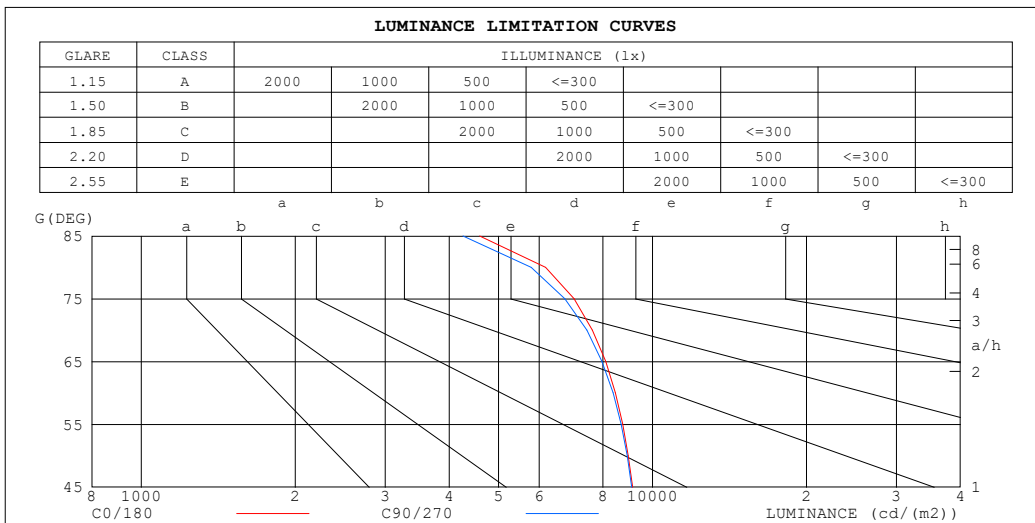
%lamp = 84.8%

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:121.03V I:0.1640A P:18.448W PF:0.9292 Freq:60.00Hz Lamp Flux:883.287x1 lm		
NAME: LS-AL-9TL-18W-5CCT-G	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.: 1#27K
MFR.: YOURZOR	SUR.: 0.199	Shielding Angle:



LUMINANCE cd/(m2)		
G (DEG)	C0/180	C90/270
85	4592	4260
80	6177	5792
75	7023	6738
70	7622	7437
65	8095	7967
60	8460	8377
55	8741	8681
50	8966	8918
45	9141	9103

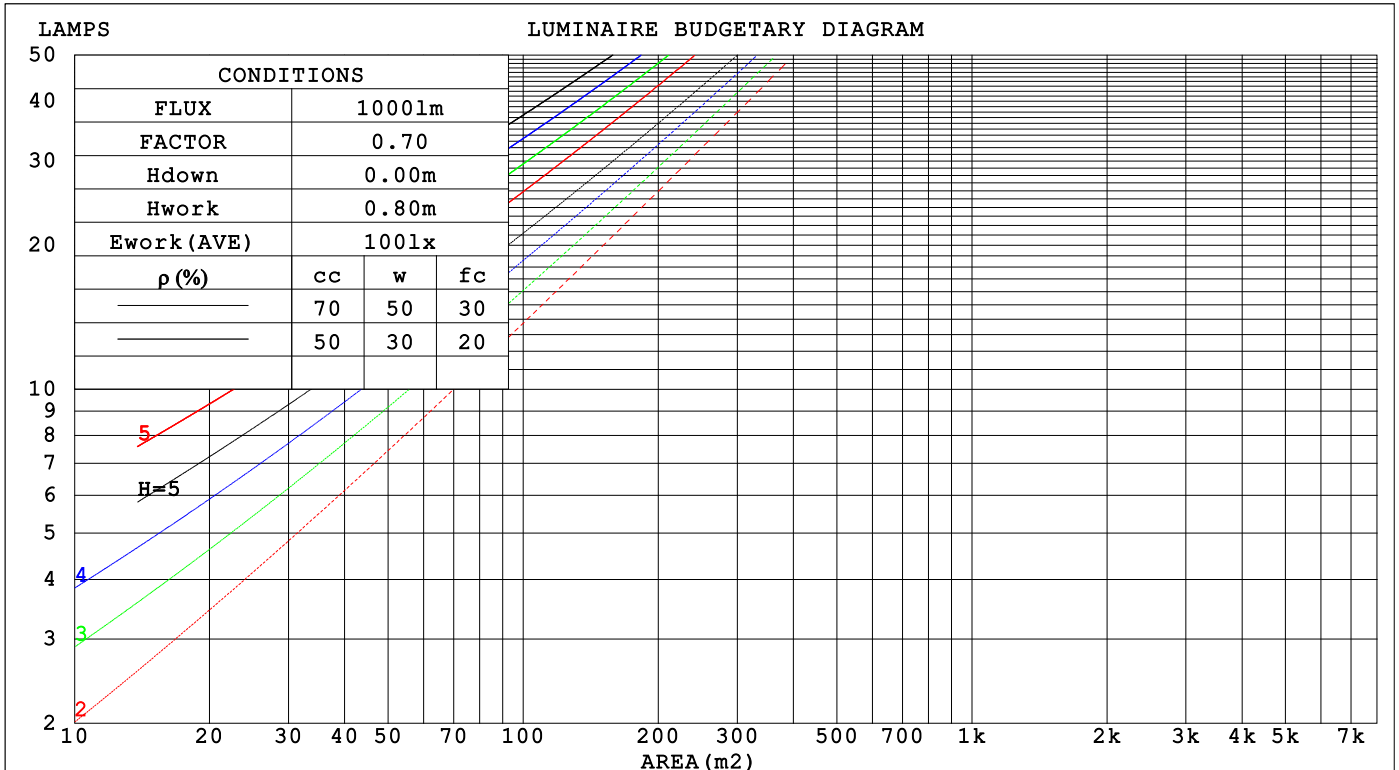
C Range: 0 - 360DEG
 C Interval: 30.0DEG
 Test Speed: HIGH
 Temperature:25.3°C
 Operators:DAMIN
 Test Date:2026-02-04

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:121.03V I:0.1640A P:18.448W PF:0.9292 Freq:60.00Hz Lamp Flux:883.287x1 lm		
NAME: LS-AL-9TL-18W-5CCT-G	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.: 1#27K
MFR.: YOURZOR	SUR.: 0.199	Shielding Angle:

pcc	80%			70%			50%			30%			10%			0
	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
p _w	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
p _{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	1.04	.99	.95	1.01	.97	.94	.97	.94	.91	.93	.90	.88	.89	.87	.85	.83
2.0	.90	.83	.77	.88	.82	.76	.85	.79	.74	.81	.77	.73	.78	.74	.71	.69
3.0	.79	.71	.64	.77	.70	.63	.74	.68	.62	.72	.66	.61	.69	.64	.60	.58
4.0	.70	.61	.54	.68	.60	.54	.66	.59	.53	.64	.57	.52	.61	.56	.51	.49
5.0	.62	.53	.46	.61	.53	.46	.59	.51	.46	.57	.50	.45	.55	.49	.45	.42
6.0	.56	.47	.40	.55	.46	.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	.31	.43	.36	.31	.42	.36	.31	.29
9.0	.42	.34	.29	.42	.34	.28	.41	.33	.28	.40	.33	.28	.39	.32	.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: 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:121.03V I:0.1640A P:18.448W PF:0.9292 Freq:60.00Hz								
Lamp Flux:883.287x1 lm								
NAME: LS-AL-9TL-18W-5CCT-G			TYPE:			WEIGHT:		
SPEC.:			DIM.:			SERIAL No.: 1#27K		
MFR.: YOURZOR			SUR.: 0.199			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	.316	.180	.057	.309	.176	.056	.296	.170	.054	.283	.163	.052	.272	.158	.051	
2.0	.296	.162	.050	.289	.159	.049	.278	.154	.048	.267	.150	.047	.257	.145	.046	
3.0	.273	.145	.044	.267	.143	.043	.257	.139	.042	.247	.136	.042	.238	.132	.041	
4.0	.251	.131	.038	.247	.129	.038	.237	.126	.038	.229	.123	.037	.221	.120	.037	
5.0	.232	.118	.034	.228	.117	.034	.220	.114	.034	.212	.112	.033	.205	.109	.033	
6.0	.215	.108	.031	.211	.107	.031	.204	.105	.030	.197	.102	.030	.191	.100	.030	
7.0	.200	.099	.028	.197	.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	.083	.023	.162	.081	.023	.157	.080	.023	
10.0	.164	.079	.022	.162	.078	.022	.157	.077	.022	.153	.076	.022	.149	.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	.020	.017	.015	
2.0	.173	.132	.098	.148	.114	.084	.101	.079	.059	.058	.046	.034	.019	.015	.011	
3.0	.165	.114	.074	.141	.099	.064	.097	.069	.045	.056	.040	.026	.018	.013	.009	
4.0	.157	.101	.058	.135	.087	.050	.093	.061	.035	.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	.015	.008	.003	
9.0	.123	.065	.025	.106	.056	.022	.074	.039	.016	.043	.023	.009	.014	.008	.003	
10.0	.118	.060	.022	.101	.052	.019	.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:121.03V I:0.1640A P:18.448W PF:0.9292 Freq:60.00Hz										
Lamp Flux:883.287x1 lm										
NAME: LS-AL-9TL-18W-5CCT-G					TYPE:			WEIGHT:		
SPEC.:					DIM.:			SERIAL No.: 1#27K		
MFR.: YOURZOR					SUR.: 0.199			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	20.7	22.2	20.9	22.4	22.6	20.6	22.1	20.9	22.3	22.5
3H	22.1	23.5	22.4	23.8	24.0	22.0	23.4	22.3	23.7	23.9
4H	22.7	24.0	23.0	24.3	24.5	22.6	23.9	22.9	24.2	24.4
6H	23.1	24.3	23.4	24.6	24.9	22.9	24.2	23.2	24.4	24.7
8H	23.1	24.3	23.5	24.6	24.9	22.9	24.2	23.3	24.5	24.7
12H	23.1	24.3	23.5	24.6	24.9	23.0	24.1	23.3	24.4	24.8
4H 2H	21.2	22.6	21.5	22.8	23.1	21.2	22.5	21.5	22.8	23.0
3H	22.8	24.0	23.2	24.3	24.6	22.8	24.0	23.1	24.2	24.6
4H	23.5	24.6	23.9	24.9	25.3	23.4	24.5	23.8	24.8	25.2
6H	24.0	25.0	24.4	25.3	25.7	23.8	24.8	24.2	25.2	25.5
8H	24.1	25.0	24.5	25.4	25.7	23.9	24.8	24.3	25.2	25.6
12H	24.1	25.0	24.6	25.4	25.8	24.0	24.8	24.4	25.2	25.6
8H 4H	23.7	24.6	24.2	25.0	25.4	23.6	24.5	24.0	24.9	25.3
6H	24.3	25.1	24.8	25.5	25.9	24.2	24.9	24.6	25.3	25.7
8H	24.4	25.1	24.9	25.5	26.0	24.3	24.9	24.7	25.4	25.8
12H	24.5	25.1	25.0	25.6	26.0	24.4	24.9	24.8	25.4	25.9
12H 4H	23.7	24.6	24.2	24.9	25.3	23.6	24.5	24.1	24.8	25.2
6H	24.3	25.0	24.8	25.4	25.9	24.2	24.8	24.6	25.3	25.7
8H	24.5	25.0	25.0	25.5	26.0	24.3	24.9	24.8	25.3	25.8
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, 883.3 lm Total Lamp Luminous Flux Correct (8log(F/F0) = -0.4)
 Area: 0.031 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:121.03V I:0.1640A P:18.448W PF:0.9292 Freq:60.00Hz Lamp Flux:883.287x1 lm		
NAME: LS-AL-9TL-18W-5CCT-G	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.: 1#27K
MFR.: YOURZOR	SUR.: 0.199	Shielding Angle:

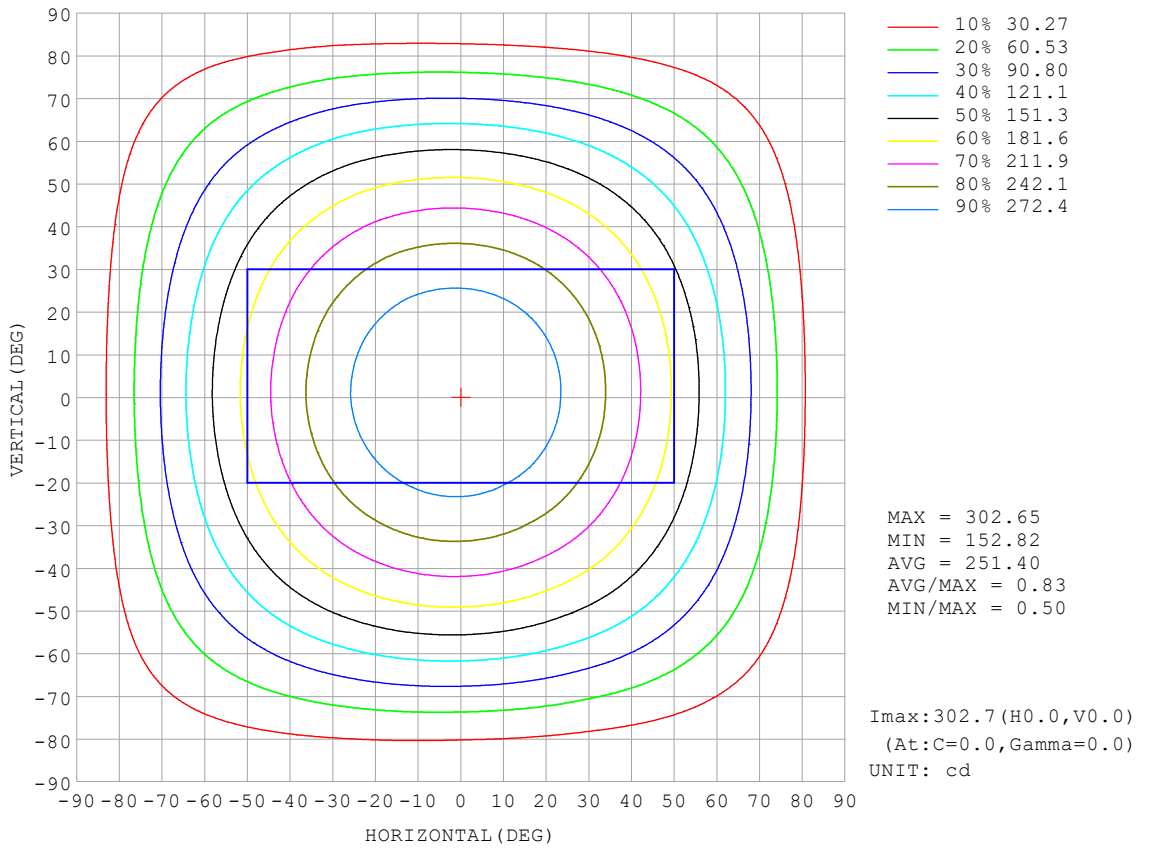
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS (PERCENT) $k(RI) \times RCR = 5$									
k = 0.60	57	45	38	56	45	38	55	45	38	32
0.80	67	55	48	66	55	48	64	54	47	40
1.00	76	64	57	74	64	57	72	65	56	49
1.25	83	72	65	81	71	64	78	70	64	56
1.50	88	78	71	86	77	70	83	75	69	61
2.00	95	86	79	93	85	79	89	82	77	69
2.50	99	91	84	96	89	84	93	87	82	73
3.00	102	95	89	100	93	88	96	90	86	77
4.00	106	100	95	104	98	94	99	95	91	82
5.00	108	103	99	106	102	98	101	98	95	85
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:121.03V I:0.1640A P:18.448W PF:0.9292 Freq:60.00Hz Lamp Flux:883.287x1 lm		
NAME: LS-AL-9TL-18W-5CCT-G	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.: 1#27K
MFR.: YOURZOR	SUR.: 0.199	Shielding Angle:

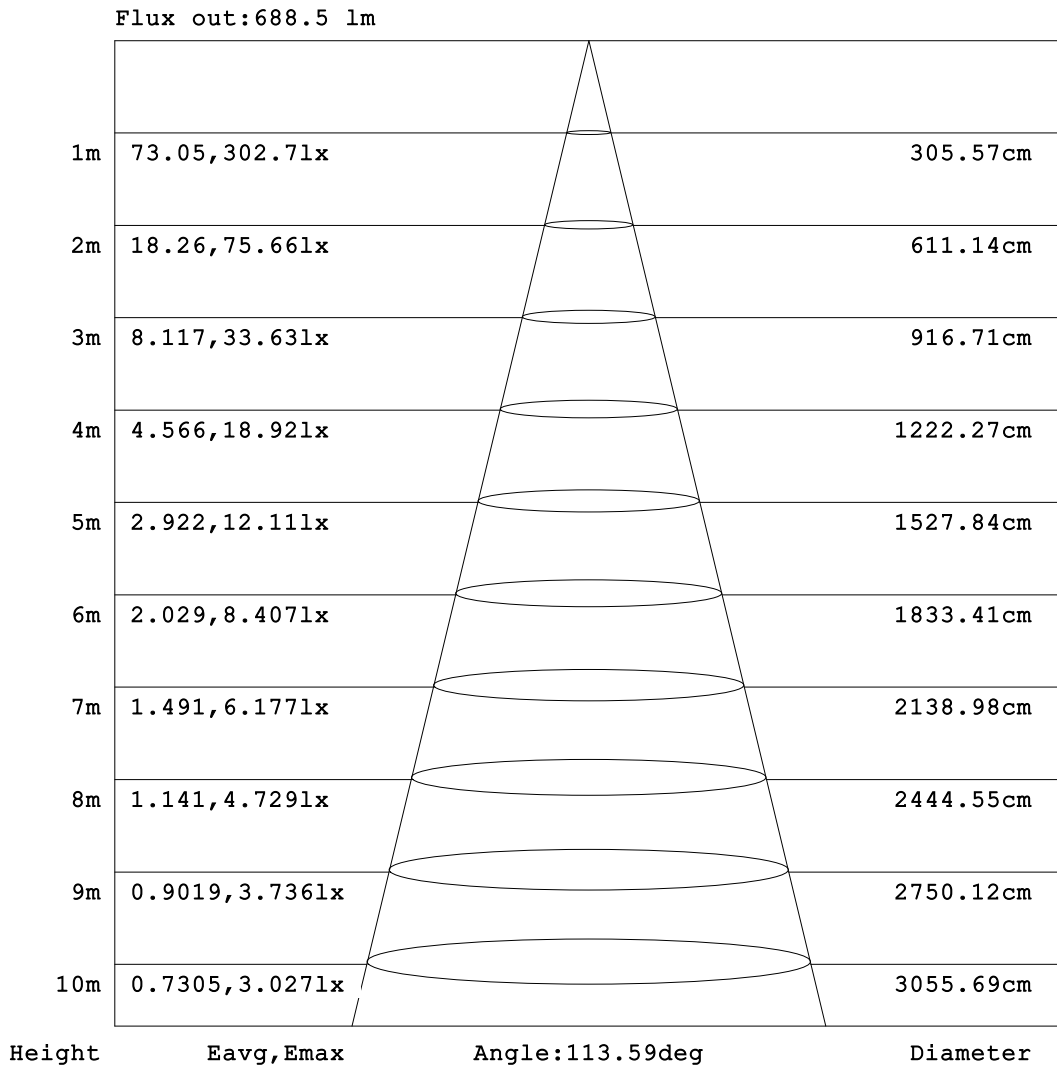


C Range: 0 - 360DEG
 C Interval: 30.0DEG
 Test Speed: HIGH
 Temperature:25.3°C
 Operators:DAMIN
 Test Date:2026-02-04

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:121.03V I:0.1640A P:18.448W PF:0.9292 Freq:60.00Hz Lamp Flux:883.287x1 lm		
NAME: LS-AL-9TL-18W-5CCT-G	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.: 1#27K
MFR.: YOURZOR	SUR.: 0.199	Shielding Angle:



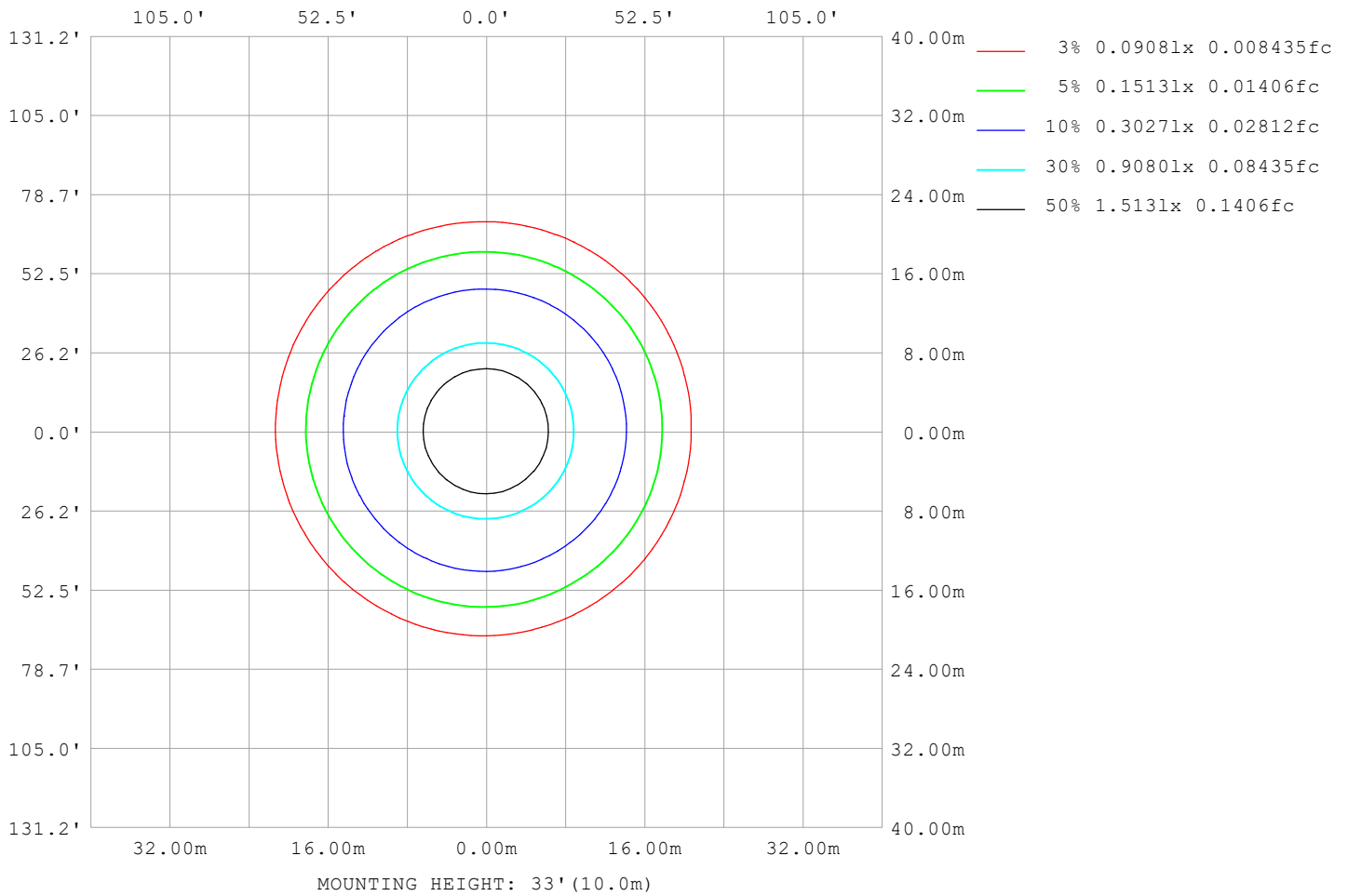
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

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:121.03V I:0.1640A P:18.448W PF:0.9292 Freq:60.00Hz Lamp Flux:883.287x1 lm		
NAME: LS-AL-9TL-18W-5CCT-G	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.: 1#27K
MFR.: YOURZOR	SUR.: 0.199	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:121.03V I:0.1640A P:18.448W PF:0.9292 Freq:60.00Hz Lamp Flux:883.287x1 lm		
NAME: LS-AL-9TL-18W-5CCT-G	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.: 1#27K
MFR.: YOURZOR	SUR.: 0.199	Shielding Angle:

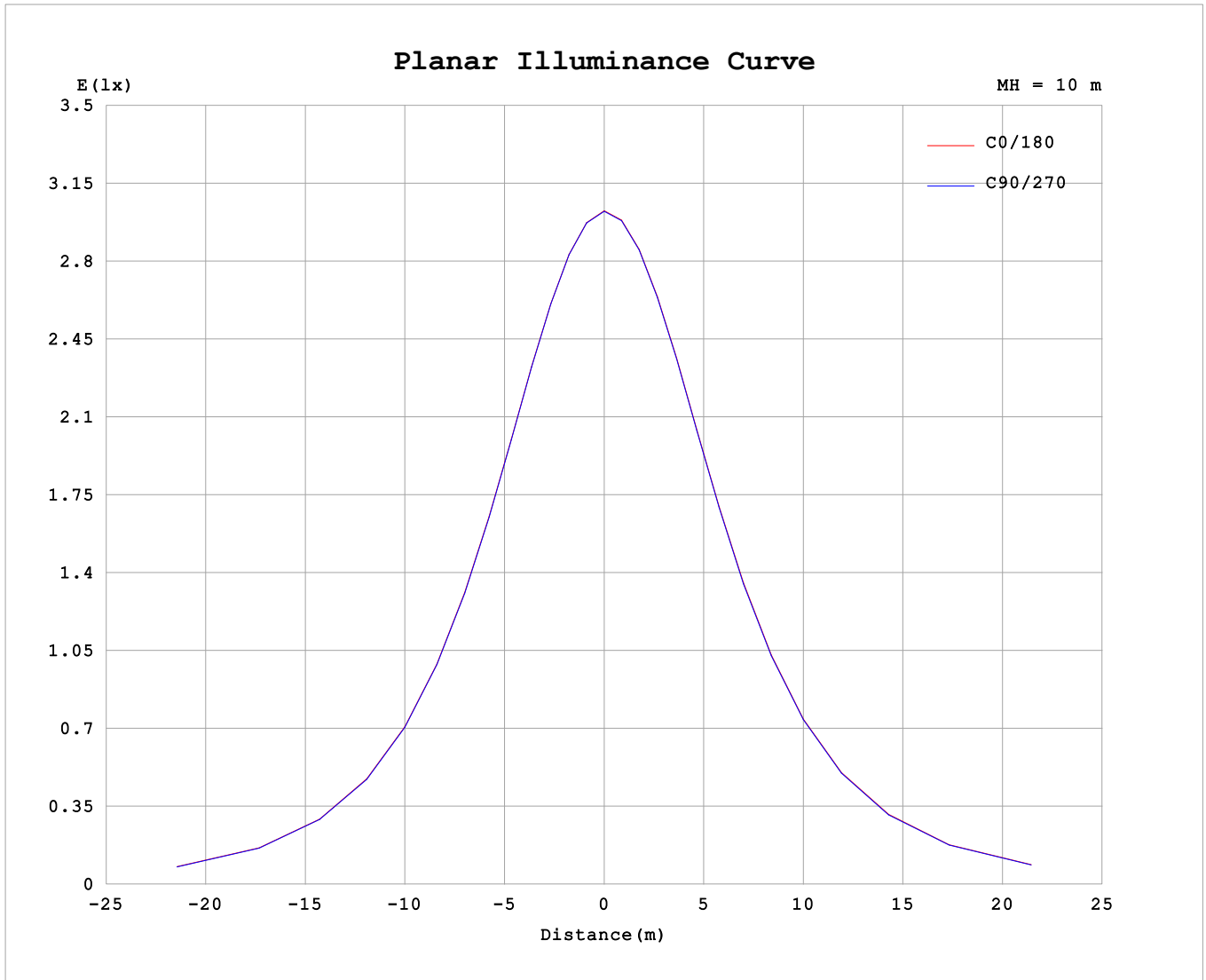
AvgL	cd/m2
L_0~180 (65) av	8546
L_0~180 (75) av	7731
L_0~180 (85) av	6331
L_90~270 (65) av	8433
L_90~270 (75) av	7468
L_90~270 (85) av	6031
L_45 (65) av	8488
L_45 (75) av	7614
L_45 (85) av	6235

Standard: GB/T 29293-2012

C Range: 0 - 360DEG
 C Interval: 30.0DEG
 Test Speed: HIGH
 Temperature:25.3℃
 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:

