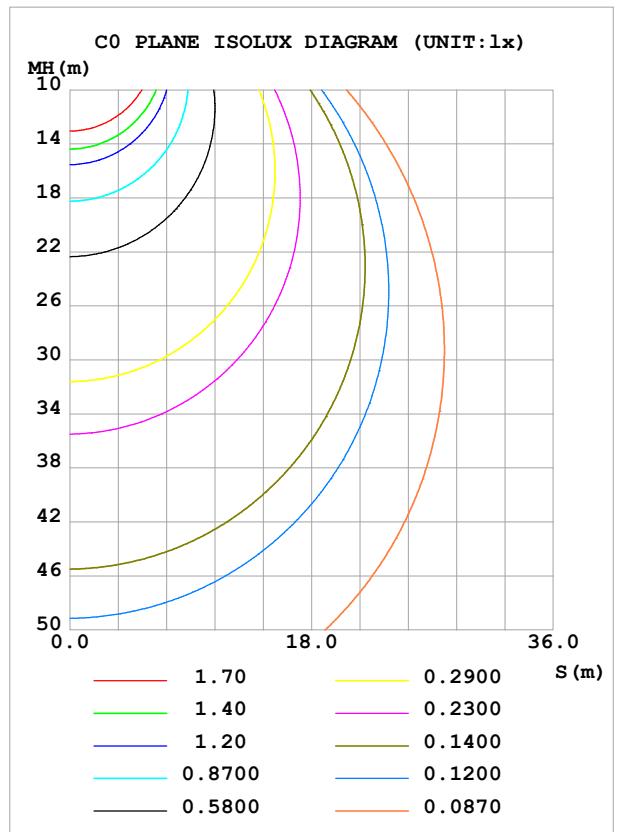
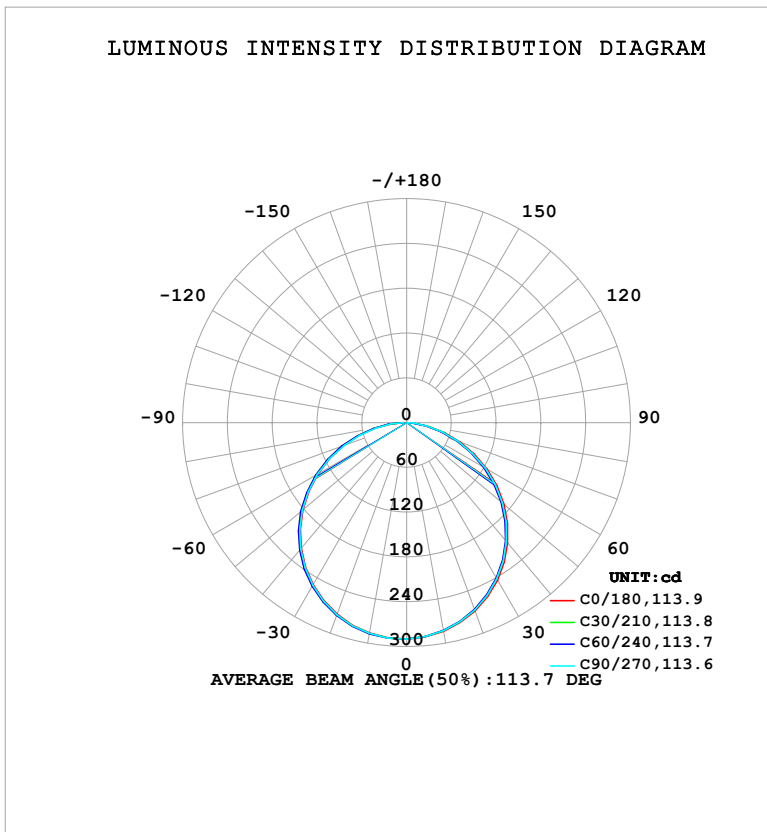


LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:120.99V I:0.1645A P:18.478W PF:0.9286 Freq:60.00Hz Lamp Flux:845.068x1 lm		
NAME: LS-AL-9FL-18W-5CCT-G	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.: 1#27K
MFR.: YOURZOR	SUR.: 0.199	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA				Eff: 45.73 lm/W
MODELS-AL-9FL-18W-5CCT-G-27K		I _{max} (cd)	289.9	S/MH (C0/180)		1.28
NOMINAL POWER (W)	18	LOR (%)	100.0	S/MH (C90/270)		1.29
RATED VOLTAGE (V)	120	TOTAL FLUX (lm)	845.07	η UP, DN (C0-180)		0.0,48.1
NOMINAL FLUX (lm)	845.068	CIE CLASS	DIRECT	η UP, DN (C180-360)		0.0,51.9
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: 2026-02-03

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	283.8	282.9	283.2	284.6	286.3	287.1	286.8	285.6	0- 10	27.44	27.44	3.25,3.25
20	268.2	266.3	267.0	269.6	273.1	274.7	273.8	271.6	10- 20	78.75	106.2	12.6,12.6
30	243.5	240.7	241.6	245.5	250.7	253.0	251.7	248.3	20- 30	119.7	225.9	26.7,26.7
40	210.4	206.9	208.0	213.1	219.8	222.6	220.9	216.5	30- 40	145.0	370.9	43.9,43.9
50	170.1	166.1	167.5	173.6	181.6	184.8	182.6	177.4	40- 50	151.1	522.0	61.8,61.8
60	124.3	120.0	121.7	128.5	137.2	140.6	138.1	132.3	50- 60	137.1	659.2	78,78
70	76.02	71.52	73.12	80.54	89.50	92.46	89.38	83.84	60- 70	105.2	764.4	90.5,90.5
80	30.42	26.52	27.86	34.62	42.29	44.93	41.99	37.21	70- 80	61.84	826.3	97.8,97.8
90	0.7152	0.7060	0.7073	0.7230	2.705	5.194	4.217	1.398	80- 90	18.81	845.1	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): 446.99 lm

%lum = 52.9%

%lamp = 52.9%

Conical surface Flux(130deg): 716.71 lm

%lum = 84.8%

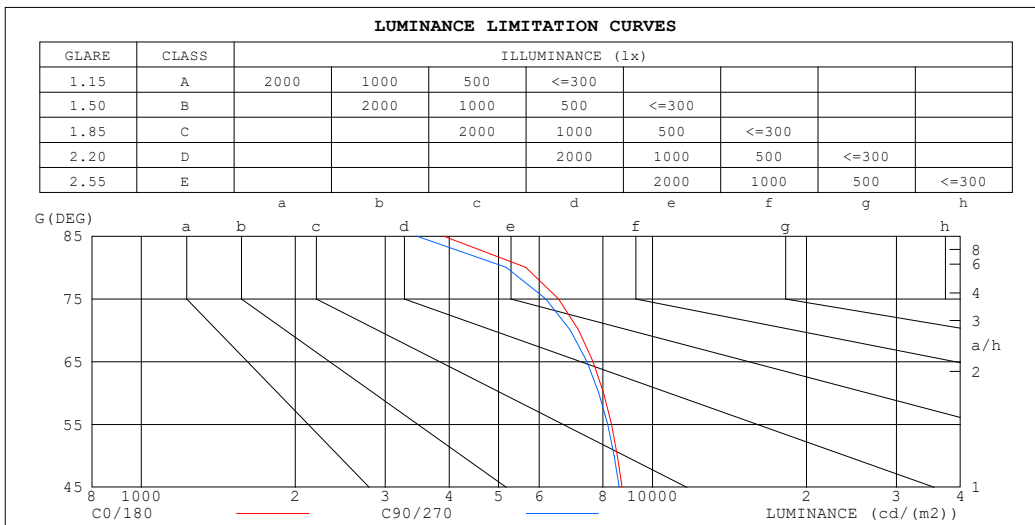
%lamp = 84.8%

C Range: 0 - 360DEG
 C Interval: 30.0DEG
 Test Speed: HIGH
 Temperature:25.3°C
 Operators:DAMIN
 Test Date:2026-02-03

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:120.99V I:0.1645A P:18.478W PF:0.9286 Freq:60.00Hz Lamp Flux:845.068x1 lm		
NAME: LS-AL-9FL-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	3893	3450
80	5649	5176
75	6544	6176
70	7168	6898
65	7646	7437
60	8018	7853
55	8309	8165
50	8537	8409
45	8715	8602

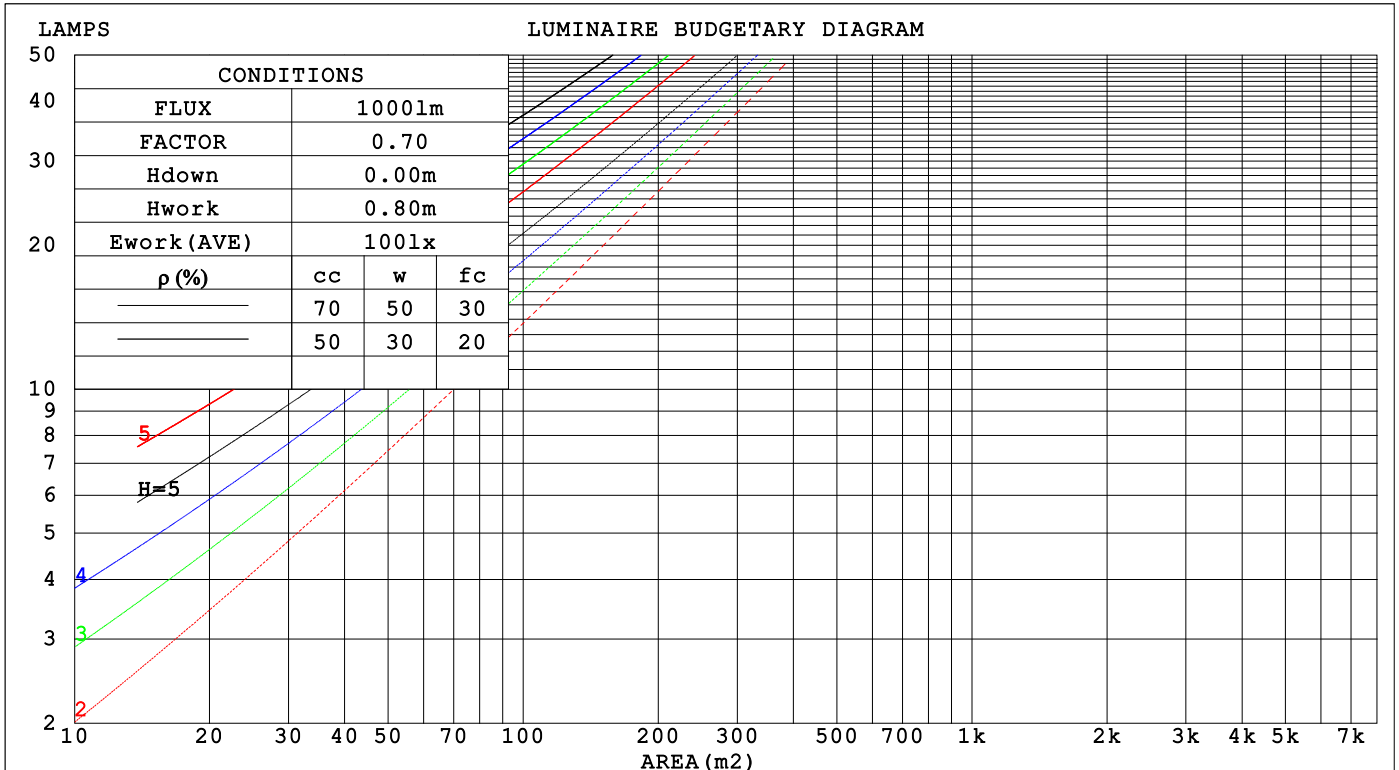
C Range: 0 - 360DEG
 C Interval: 30.0DEG
 Test Speed: HIGH
 Temperature:25.3°C
 Operators:DAMIN
 Test Date:2026-02-03

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:120.99V I:0.1645A P:18.478W PF:0.9286 Freq:60.00Hz Lamp Flux:845.068x1 lm		
NAME: LS-AL-9FL-18W-5CCT-G	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.: 1#27K
MFR.: YOURZOR	SUR.: 0.199	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	.89	.87	.85	.83
2.0	.90	.83	.77	.88	.82	.76	.85	.79	.75	.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	.43
6.0	.56	.47	.40	.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: 30.0DEG
 Test Speed: HIGH
 Temperature:25.3°C
 Operators:DAMIN
 Test Date:2026-02-03

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:120.99V I:0.1645A P:18.478W PF:0.9286 Freq:60.00Hz								
Lamp Flux:845.068x1 lm								
NAME: LS-AL-9FL-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	.179	.057	.308	.176	.056	.295	.169	.054	.283	.163	.052	.272	.157	.051	
2.0	.295	.162	.050	.289	.159	.049	.277	.154	.048	.267	.150	.047	.257	.145	.046	
3.0	.273	.145	.043	.267	.143	.043	.257	.139	.042	.247	.135	.042	.238	.132	.041	
4.0	.251	.131	.038	.246	.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	.104	.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	.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	.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	.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:2026-02-03

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:120.99V I:0.1645A P:18.478W PF:0.9286 Freq:60.00Hz										
Lamp Flux:845.068x1 lm										
NAME: LS-AL-9FL-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	20.6	22.1	20.8	22.3	22.5	20.5	22.0	20.7	22.2	22.4
3H	22.0	23.4	22.3	23.7	23.9	21.9	23.3	22.2	23.5	23.8
4H	22.6	23.9	22.9	24.2	24.4	22.4	23.7	22.7	24.0	24.2
6H	22.9	24.2	23.2	24.5	24.7	22.7	24.0	23.0	24.2	24.5
8H	22.9	24.2	23.3	24.5	24.7	22.7	23.9	23.0	24.2	24.5
12H	23.0	24.1	23.3	24.4	24.7	22.7	23.9	23.1	24.2	24.5
4H 2H	21.1	22.5	21.4	22.7	23.0	21.0	22.4	21.4	22.6	22.9
3H	22.7	23.9	23.1	24.2	24.5	22.6	23.8	22.9	24.1	24.4
4H	23.4	24.5	23.8	24.8	25.1	23.2	24.3	23.6	24.6	25.0
6H	23.8	24.8	24.2	25.1	25.5	23.6	24.6	24.0	24.9	25.3
8H	23.9	24.8	24.3	25.1	25.5	23.6	24.5	24.1	24.9	25.3
12H	23.9	24.7	24.3	25.1	25.5	23.7	24.5	24.1	24.9	25.3
8H 4H	23.6	24.5	24.0	24.8	25.2	23.4	24.3	23.8	24.7	25.1
6H	24.1	24.8	24.5	25.2	25.7	23.9	24.6	24.3	25.0	25.5
8H	24.2	24.8	24.6	25.3	25.7	24.0	24.6	24.4	25.1	25.5
12H	24.3	24.8	24.7	25.3	25.8	24.0	24.6	24.5	25.0	25.5
12H 4H	23.6	24.4	24.0	24.8	25.2	23.4	24.2	23.8	24.6	25.0
6H	24.1	24.8	24.5	25.2	25.6	23.9	24.6	24.4	25.0	25.4
8H	24.2	24.8	24.7	25.2	25.7	24.0	24.6	24.5	25.0	25.5
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					+ 0.2 / - 0.3				
2.0H	+ 0.3 / - 0.3					+ 0.3 / - 0.3				

CIE Pub.117, 845.1 lm Total Lamp Luminous Flux Correct (8log(F/F0) = -0.6)
 Area: 0.031 m2

C Range: 0 - 360DEG
 C Interval: 30.0DEG
 Test Speed: HIGH
 Temperature:25.3°C
 Operators:DAMIN
 Test Date:2026-02-03

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:120.99V I:0.1645A P:18.478W PF:0.9286 Freq:60.00Hz Lamp Flux:845.068x1 lm		
NAME: LS-AL-9FL-18W-5CCT-G	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.: 1#27K
MFR.: YOURZOR	SUR.: 0.199	Shielding Angle:

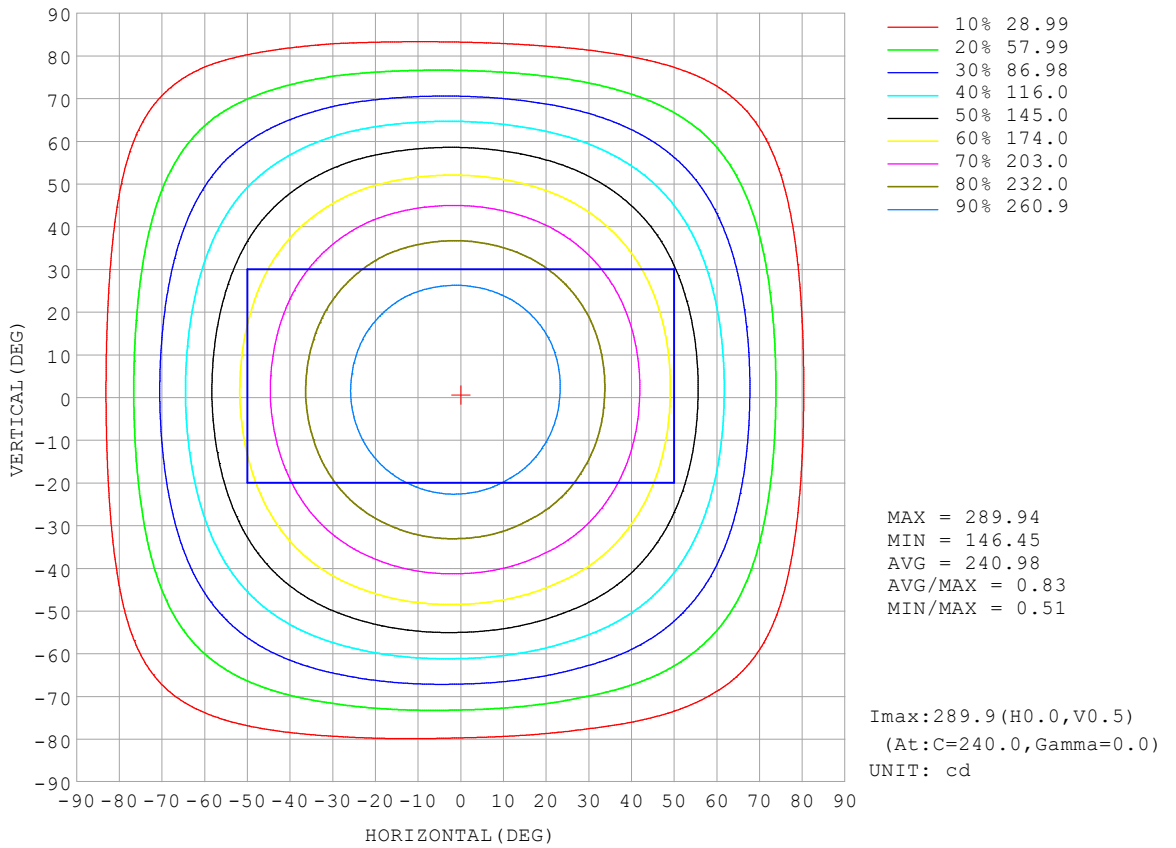
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS (PERCENT) $k(RI) \times RCR = 5$									
k = 0.60	57	45	38	56	45	38	55	45	38	32
0.80	67	55	48	66	55	48	64	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	78
4.00	106	100	95	104	98	94	99	95	91	82
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:2026-02-03

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:120.99V I:0.1645A P:18.478W PF:0.9286 Freq:60.00Hz Lamp Flux:845.068x1 lm		
NAME: LS-AL-9FL-18W-5CCT-G	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.: 1#27K
MFR.: YOURZOR	SUR.: 0.199	Shielding Angle:

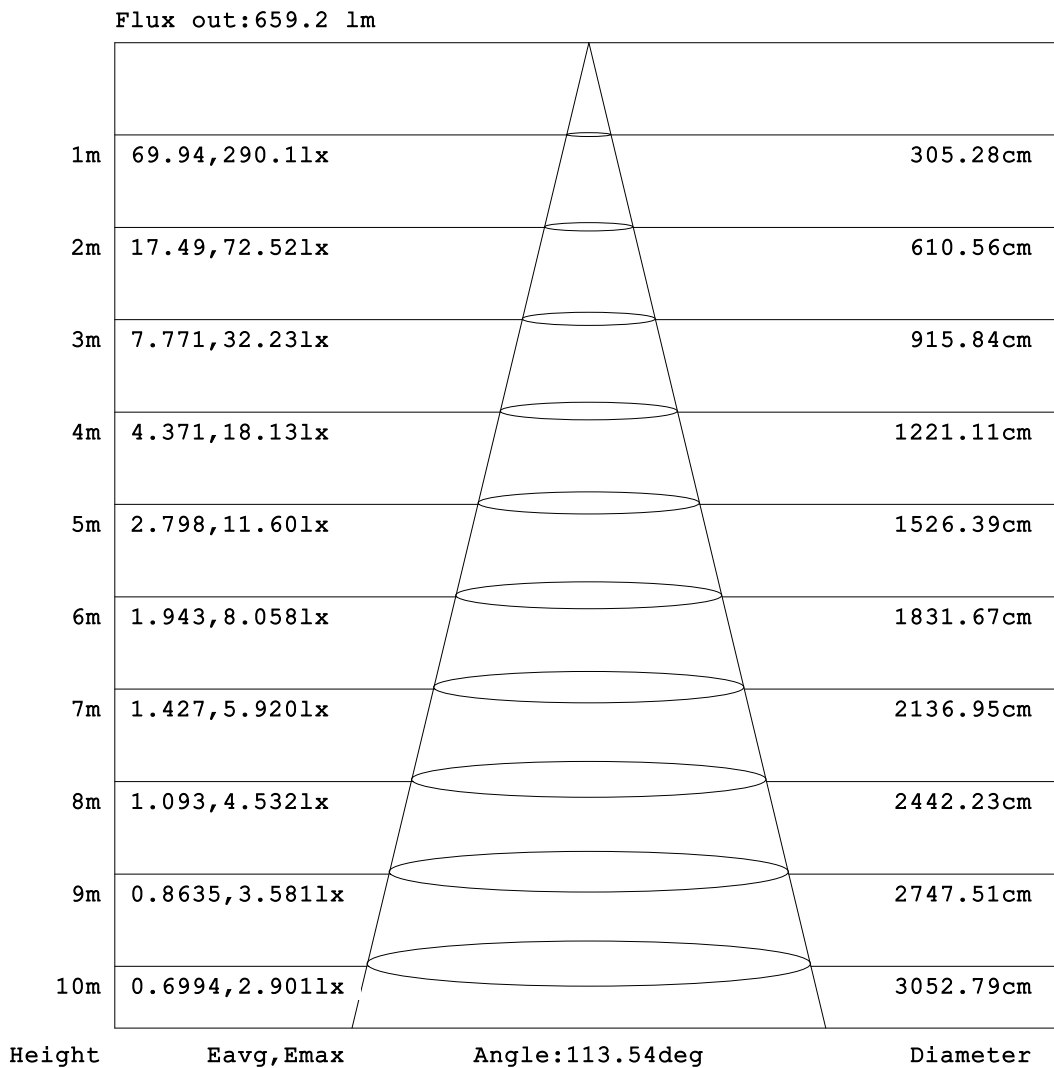


C Range: 0 - 360DEG
 C Interval: 30.0DEG
 Test Speed: HIGH
 Temperature:25.3°C
 Operators:DAMIN
 Test Date:2026-02-03

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:120.99V I:0.1645A P:18.478W PF:0.9286 Freq:60.00Hz Lamp Flux:845.068x1 lm		
NAME: LS-AL-9FL-18W-5CCT-G	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.: 1#27K
MFR.: YOURZOR	SUR.: 0.199	Shielding Angle:



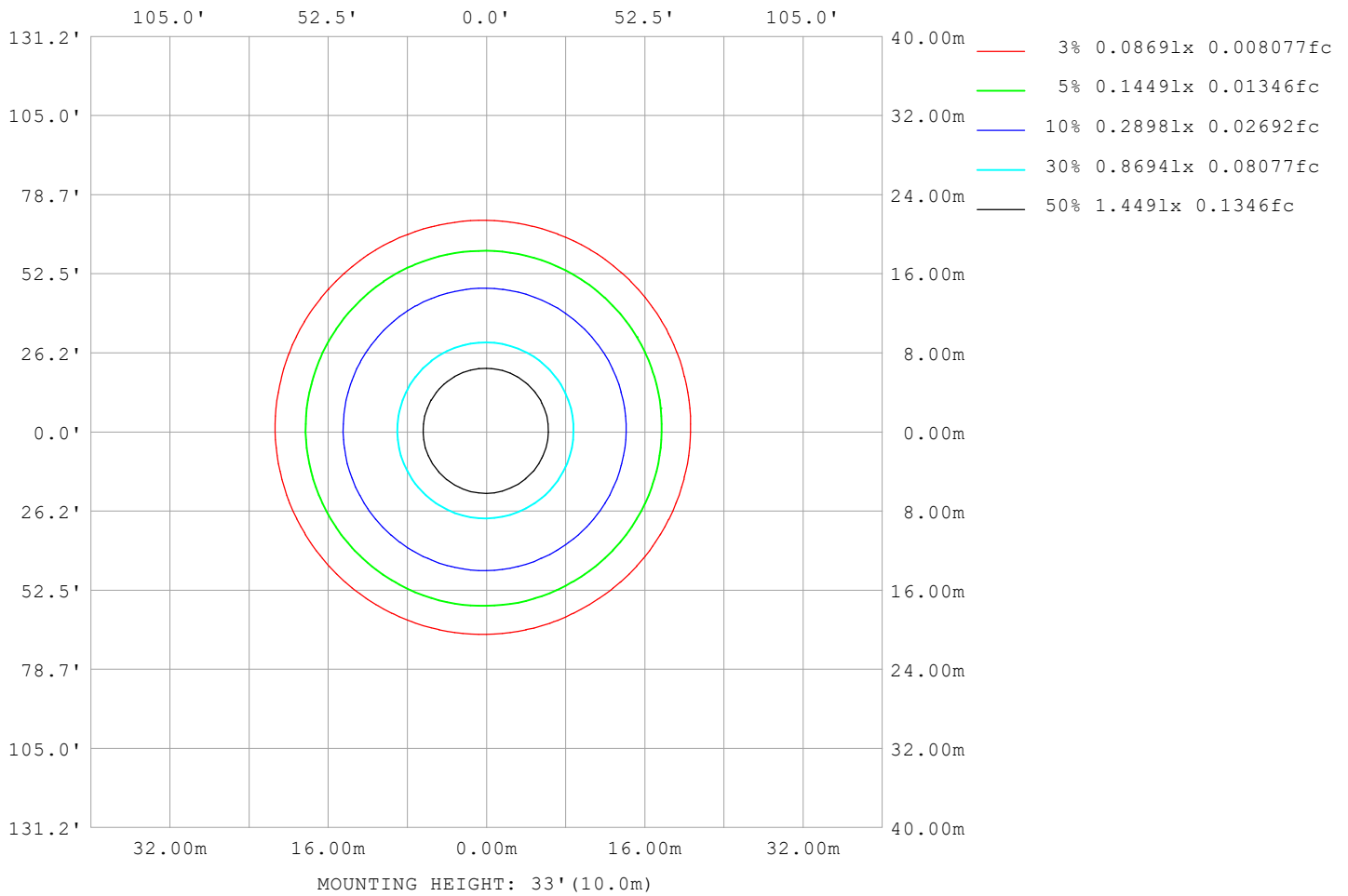
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3°C
Operators:DAMIN
Test Date:2026-02-03

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:120.99V I:0.1645A P:18.478W PF:0.9286 Freq:60.00Hz Lamp Flux:845.068x1 lm		
NAME: LS-AL-9FL-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:2026-02-03

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:120.99V I:0.1645A P:18.478W PF:0.9286 Freq:60.00Hz Lamp Flux:845.068x1 lm		
NAME: LS-AL-9FL-18W-5CCT-G	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.: 1#27K
MFR.: YOURZOR	SUR.: 0.199	Shielding Angle:

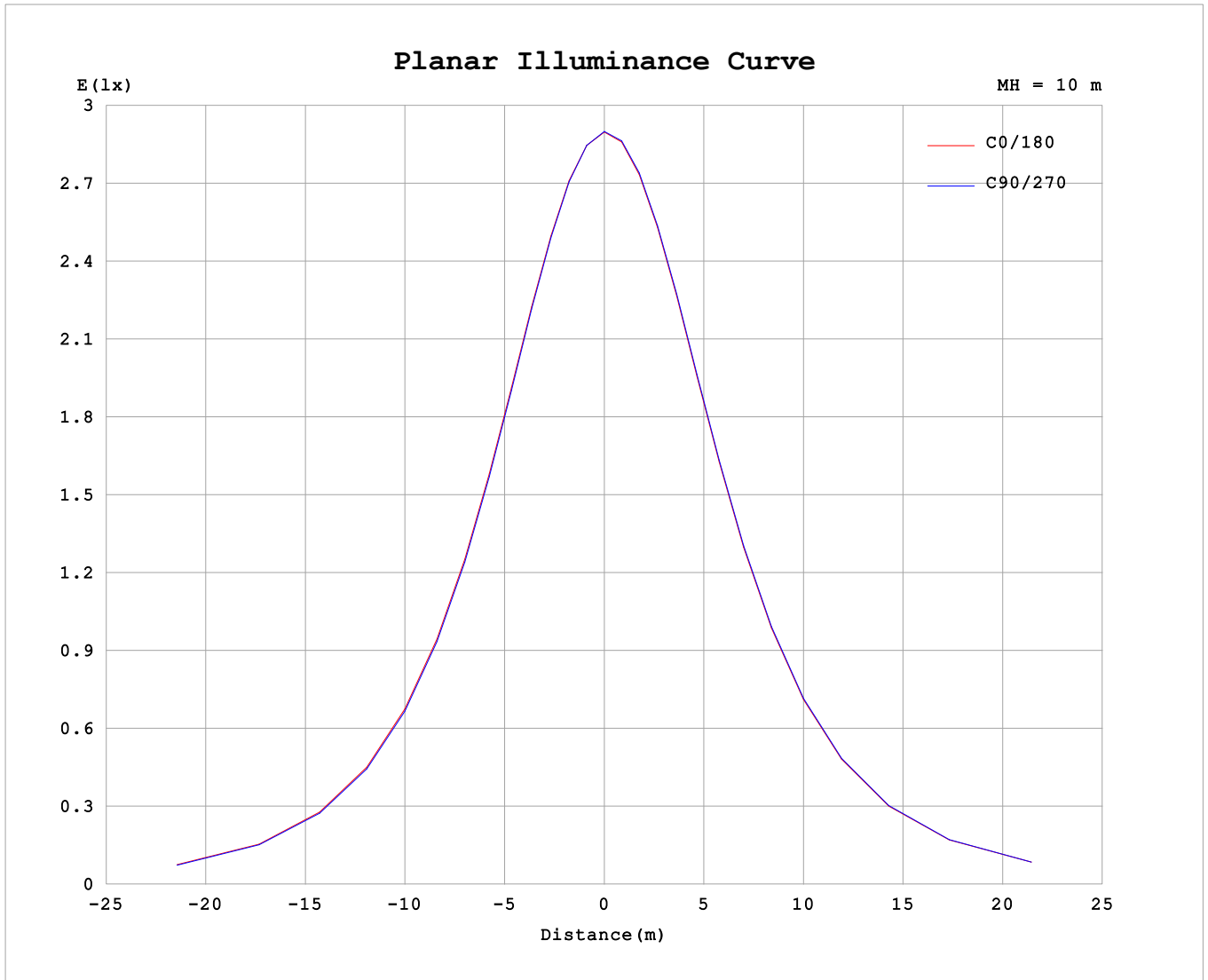
AvgL	cd/m2
L_0~180 (65) av	8159
L_0~180 (75) av	7352
L_0~180 (85) av	5815
L_90~270 (65) av	8069
L_90~270 (75) av	7145
L_90~270 (85) av	5705
L_45 (65) av	8119
L_45 (75) av	7273
L_45 (85) av	5816

Standard: GB/T 29293-2012

C Range: 0 - 360DEG
 C Interval: 30.0DEG
 Test Speed: HIGH
 Temperature:25.3°C
 Operators:DAMIN
 Test Date:2026-02-03

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: 2026-02-03

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:

