

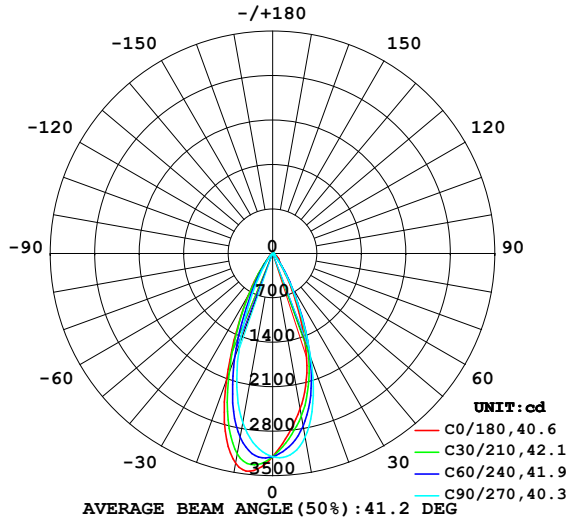
LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:230.53V I:0.0863A P:18.688W PF:0.9398 Freq:50.01Hz
Lamp Flux:1759.09x1 lm

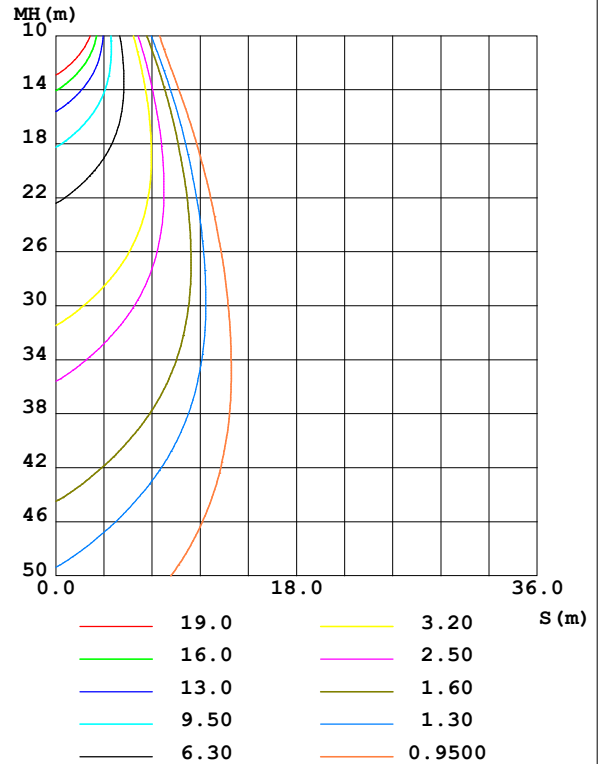
NAME: DFR	TYPE: LED	WEIGHT: 0,3kg
SPEC.: 17W	DIM.: 10X84X20mm	SERIAL No.:
MFR.: LITPA AYDINLATMA	SUR.:	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA				Eff: 94.13 lm/W
MODEL	DFR10	I _{max} (cd)	3451	S/MH (C0/180)	0.72	
NOMINAL POWER(W)	17	LOR (%)	100.0	S/MH (C90/270)	0.62	
RATED VOLTAGE(V)	220.0	TOTAL FLUX(lm)	1759.1	η UP,DN (C0-180)	0.2,50.8	
NOMINAL FLUX(lm)	1759.09	CIE CLASS	DIRECT	η UP,DN (C180-360)	0.2,48.8	
LAMPS INSIDE	1	η up (%)	0.4	CIBSE SHR NOM	0.50	
TEST VOLTAGE(V)	220	η down (%)	99.6	CIBSE SHR MAX	0.70	

LUMINOUS INTENSITY DISTRIBUTION DIAGRAM



C0 PLANE ISOLUX DIAGRAM (UNIT:lx)



C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3;æ
Operators:LITPA
Test Date:09/10/2025

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.459
Humidity:55.0%
Test Distance:7.000m [K=1.0000]
Remarks: DFR10 17W LEDÝL C19331_DALINE REFLEKTÖR

ZONAL FLUX DIAGRAM

ZONAL FLUX DIAGRAM:

γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum,lamp
10	2489	2683	2939	3227	3358	3068	2706	2507	0- 10	290.3	290.3	16.5,16.5
20	1501	1704	1760	2048	2121	1898	1517	1559	10- 20	653.7	944.0	53.7,53.7
30	506.1	612.2	574.3	748.4	787.4	658.9	471.0	548.4	20- 30	508.8	1453	82.6,82.6
40	170.6	153.0	113.6	209.5	171.8	169.9	102.5	131.7	30- 40	200.6	1653	94,94
50	114.0	41.07	40.87	40.18	65.90	38.59	40.45	38.77	40- 50	65.24	1719	97.7,97.7
60	33.65	10.75	12.23	9.499	24.45	9.319	12.61	10.92	50- 60	27.28	1746	99.2,99.2
70	3.009	0.7429	0.8783	0.7041	6.408	0.7338	0.8377	0.7730	60- 70	5.361	1751	99.6,99.6
80	2.872	0.2679	0.3237	0.2405	3.797	0.2863	0.2944	0.2977	70- 80	0.9630	1752	99.6,99.6
90	2.457	0.1001	0.1103	0.0850	0.8251	0.1002	0.1172	0.1311	80- 90	0.4290	1753	99.6,99.6
100	0.0935	0.1037	0.1066	0.0921	0.1079	0.0965	0.1244	0.1133	90-100	0.1383	1753	99.6,99.6
110	0.1222	0.1323	0.1066	0.1240	0.1763	0.1001	0.1528	0.1169	100-110	0.1182	1753	99.6,99.6
120	0.2623	0.2362	0.1847	0.2232	0.3239	0.2394	0.2738	0.2830	110-120	0.1766	1753	99.7,99.7
130	0.7292	0.6013	0.4719	0.5282	0.6985	0.6395	0.6510	0.7537	120-130	0.3661	1753	99.7,99.7
140	1.789	1.471	1.253	1.265	1.490	1.501	1.565	1.763	130-140	0.7813	1754	99.7,99.7
150	3.189	2.855	2.621	2.448	2.749	2.791	3.004	3.193	140-150	1.334	1756	99.8,99.8
160	4.519	4.367	4.163	3.826	4.144	4.300	4.414	4.568	150-160	1.631	1757	99.9,99.9
170	5.749	5.629	5.331	5.349	5.327	5.584	5.593	5.482	160-170	1.359	1759	100,100
180	6.049	6.000	5.944	5.915	6.049	6.000	5.940	5.915	170-180	0.5429	1759	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

Conical surface Flux(90deg): 1693.3 lm

%lum = 96.3%

%lamp = 96.3%

Conical surface Flux(120deg): 1745.9 lm

%lum = 99.2%

%lamp = 99.2%

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3;æ
Operators:LITPA
Test Date:09/10/2025

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.459
Humidity:55.0%
Test Distance:7.000m [K=1.0000]
Remarks: DFR10 17W LEDÝL C19331_DALINE REFLEKTÖR

LUMINANCE LIMITATION CURVES

Test:U:230.53V I:0.0863A P:18.688W PF:0.9398 Freq:50.01Hz

Lamp Flux:1759.09x1 lm

NAME: DFR

TYPE: LED

WEIGHT: 0,3kg

SPEC.: 17W

DIM.: 10X84X20mm

SERIAL No.:

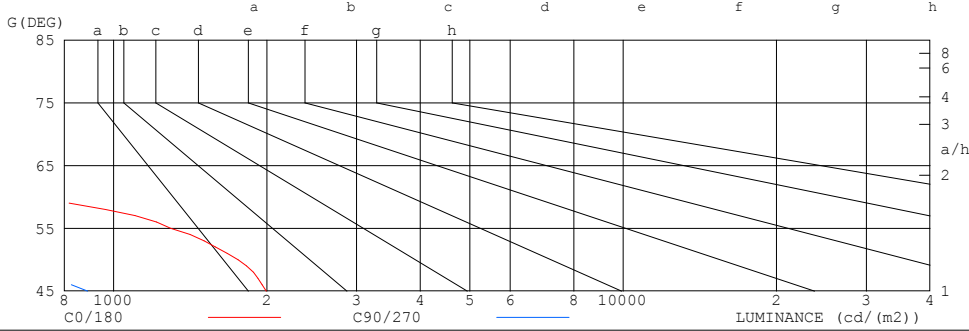
MFR.: LITPA AYDINLATMA

SUR.:

Shielding Angle:

LUMINANCE LIMITATION CURVES

GLARE	CLASS	ILLUMINANCE (lx)							
1.15	A	2000	1000	500	<=300				
1.50	B		2000	1000	500	<=300			
1.85	C			2000	1000	500	<=300		
2.20	D				2000	1000	500	<=300	
2.55	E					2000	1000	500	<=300



LUMINANCE cd/(m2)		
G (DEG)	C0/180	C90/270
85	331	20
80	164	19
75	95	21
70	87	26
65	89	42
60	666	245
55	1295	441
50	1757	637
45	1993	890

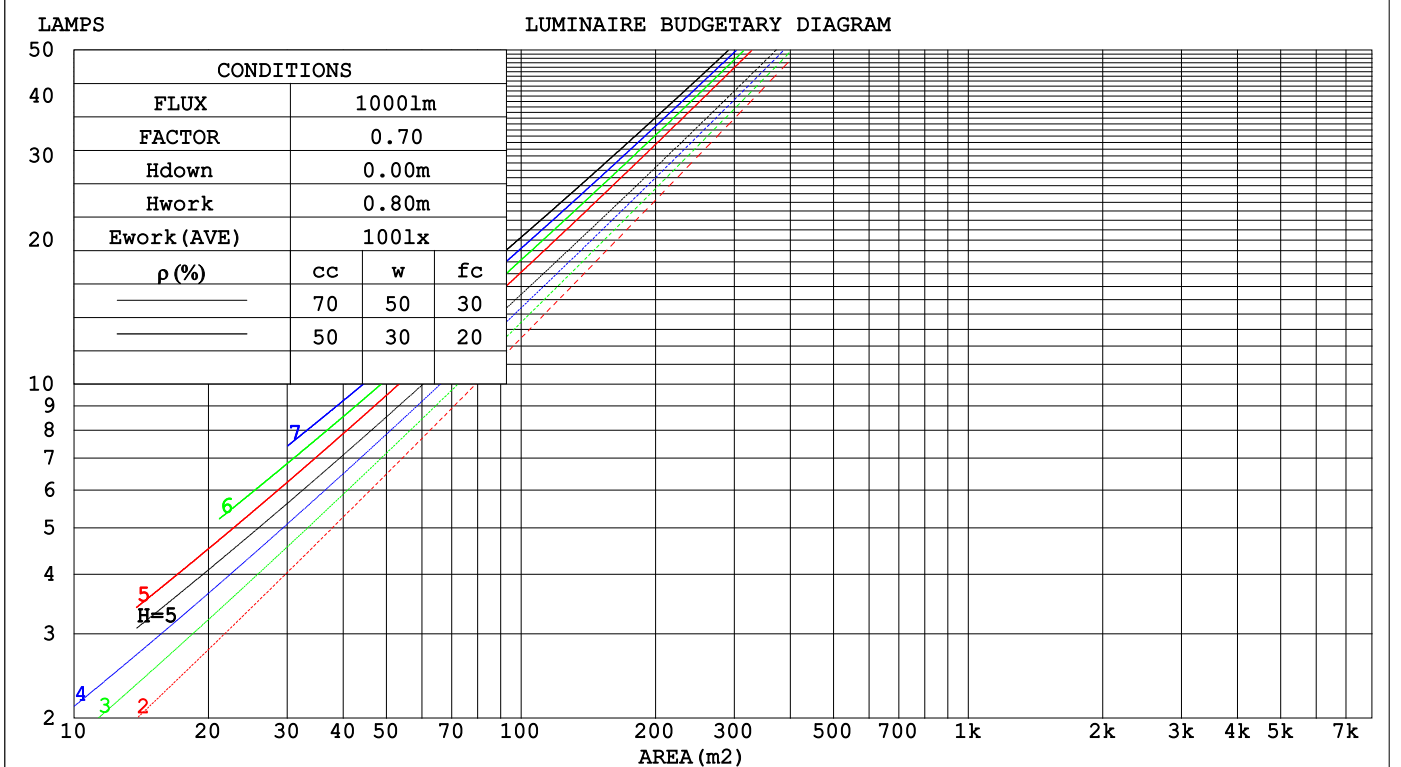
C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3;æ
Operators:LITPA
Test Date:09/10/2025

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.459
Humidity:55.0%
Test Distance:7.000m [K=1.0000]
Remarks: DFR10 17W LEDÝL C19331_DALINE REFLEKTÖR

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:230.53V I:0.0863A P:18.688W PF:0.9398 Freq:50.01Hz Lamp Flux:1759.09x1 lm		
NAME: DFR	TYPE: LED	WEIGHT: 0,3kg
SPEC.: 17W	DIM.: 10X84X20mm	SERIAL No.:
MFR.: LITPA AYDINLATMA	SUR.:	Shielding Angle:

pcc	80%			70%			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	.00
1.0	1.11	1.09	1.07	1.09	1.07	1.05	1.05	1.03	1.02	1.01	1.00	.99	.98	.97	.96	.94
2.0	1.05	1.01	.98	1.03	.99	.97	.90	.97	.94	.97	.94	.92	.94	.92	.90	.89
3.0	.98	.94	.90	.97	.93	.90	.94	.91	.88	.92	.89	.87	.90	.87	.85	.84
4.0	.93	.88	.84	.92	.87	.84	.90	.86	.83	.88	.84	.82	.86	.83	.81	.79
5.0	.88	.83	.79	.87	.82	.78	.85	.81	.78	.83	.80	.77	.82	.79	.76	.75
6.0	.83	.78	.74	.83	.78	.74	.81	.77	.73	.80	.76	.73	.78	.75	.72	.71
7.0	.79	.74	.70	.79	.73	.70	.77	.73	.69	.76	.72	.69	.75	.71	.69	.67
8.0	.75	.70	.66	.75	.70	.66	.74	.69	.66	.73	.69	.66	.72	.68	.65	.64
9.0	.72	.67	.63	.72	.66	.63	.71	.66	.63	.70	.66	.63	.69	.65	.62	.61
10.0	.69	.64	.60	.68	.63	.60	.68	.63	.60	.67	.63	.60	.66	.62	.60	.58



C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3;æ
Operators:LITPA
Test Date:09/10/2025

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.459
Humidity:55.0%
Test Distance:7.000m [K=1.0000]
Remarks: DFR10 17W LEDÝL C19331_DALINE REFLEKTÖR

WEC AND CCEC

Test:U:230.53V I:0.0863A P:18.688W PF:0.9398 Freq:50.01Hz Lamp Flux:1759.09x1 lm		
NAME: DFR	TYPE: LED	WEIGHT: 0,3kg
SPEC.: 17W	DIM.: 10X84X20mm	SERIAL No.:
MFR.: LITPA AYDINLATMA	SUR.:	Shielding Angle:

pcc	80%			70%			50%			30%			10%			0
pw	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
pfc	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio						Wall Exitance Coefficients(WEC)									
0.0																
1.0	.164	.093	.030	.157	.090	.029	.145	.083	.027	.133	.077	.025	.122	.071	.023	
2.0	.156	.085	.026	.150	.083	.025	.139	.078	.024	.130	.073	.023	.121	.068	.022	
3.0	.148	.079	.024	.143	.076	.023	.134	.073	.022	.125	.069	.021	.118	.065	.020	
4.0	.140	.073	.021	.136	.071	.021	.128	.068	.020	.121	.065	.020	.114	.062	.019	
5.0	.133	.068	.020	.130	.067	.019	.123	.064	.019	.117	.062	.018	.111	.059	.018	
6.0	.127	.064	.018	.124	.063	.018	.118	.060	.018	.112	.058	.017	.107	.056	.017	
7.0	.121	.060	.017	.118	.059	.017	.113	.057	.016	.108	.056	.016	.104	.054	.016	
8.0	.116	.057	.016	.113	.056	.016	.109	.054	.016	.104	.053	.015	.100	.052	.015	
9.0	.111	.054	.015	.109	.053	.015	.105	.052	.015	.101	.051	.014	.097	.049	.014	
10.0	.107	.051	.014	.105	.051	.014	.101	.049	.014	.097	.048	.014	.094	.047	.014	

pcc	80%			70%			50%			30%			10%			0
pw	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
pfc	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio						Ceiling Cavity Exitance Coefficients(CCEC)									
0.0	.193	.193	.193	.165	.165	.165	.113	.113	.113	.065	.065	.065	.021	.021	.021	
1.0	.173	.160	.149	.148	.138	.128	.101	.095	.089	.058	.055	.051	.019	.018	.017	
2.0	.157	.135	.117	.134	.117	.101	.092	.081	.071	.053	.047	.041	.017	.015	.014	
3.0	.144	.116	.094	.123	.100	.082	.085	.070	.057	.049	.041	.034	.016	.013	.011	
4.0	.133	.101	.077	.114	.088	.067	.078	.061	.047	.045	.036	.028	.015	.012	.009	
5.0	.124	.090	.064	.106	.078	.056	.073	.054	.040	.042	.032	.024	.014	.010	.008	
6.0	.116	.080	.055	.099	.069	.047	.069	.049	.034	.040	.029	.020	.013	.009	.007	
7.0	.109	.072	.047	.094	.063	.041	.065	.044	.029	.038	.026	.017	.012	.008	.006	
8.0	.103	.066	.040	.089	.057	.035	.061	.040	.025	.036	.024	.015	.012	.008	.005	
9.0	.098	.061	.036	.084	.053	.031	.058	.037	.022	.034	.022	.013	.011	.007	.004	
10.0	.093	.056	.032	.080	.049	.027	.056	.034	.020	.033	.020	.012	.011	.007	.004	

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3jæ
Operators:LITPA
Test Date:09/10/2025

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.459
Humidity:55.0%
Test Distance:7.000m [K=1.0000]
Remarks: DFR10 17W LEDÝL C19331_DALINE REFLEKTÖR

UGR(Unified Glare Rating) Table

Test:U:230.53V I:0.0863A P:18.688W PF:0.9398 Freq:50.01Hz Lamp Flux:1759.09x1 lm										
NAME: DFR			TYPE: LED			WEIGHT: 0,3kg				
SPEC.: 17W			DIM.: 10X84X20mm			SERIAL No.:				
MFR.: LITPA AYDINLATMA			SUR.:			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	5.9	6.7	6.1	6.9	7.0	4.2	5.1	4.5	5.3	5.4
3H	5.7	6.5	6.0	6.7	6.9	4.1	4.9	4.3	5.1	5.3
4H	5.6	6.4	5.9	6.6	6.8	4.0	4.7	4.3	5.0	5.2
6H	5.5	6.2	5.8	6.5	6.7	3.9	4.6	4.2	4.8	5.1
8H	5.5	6.2	5.8	6.5	6.7	3.9	4.5	4.2	4.8	5.1
12H	5.5	6.2	5.8	6.4	6.7	3.8	4.5	4.1	4.7	5.0
4H 2H	5.6	6.4	5.9	6.6	6.8	4.1	4.8	4.3	5.0	5.2
3H	5.5	6.1	5.8	6.4	6.7	3.9	4.5	4.2	4.8	5.1
4H	5.4	6.0	5.7	6.3	6.6	3.8	4.4	4.1	4.7	5.0
6H	5.3	5.8	5.7	6.1	6.5	3.7	4.2	4.1	4.5	4.9
8H	5.3	5.7	5.7	6.1	6.5	3.6	4.1	4.0	4.5	4.8
12H	5.3	5.7	5.7	6.1	6.5	3.6	4.0	4.0	4.4	4.8
8H 4H	5.2	5.7	5.6	6.1	6.4	3.6	4.1	4.0	4.5	4.8
6H	5.1	5.5	5.6	5.9	6.3	3.5	3.9	4.0	4.3	4.7
8H	5.1	5.5	5.6	5.9	6.3	3.5	3.8	3.9	4.2	4.7
12H	5.1	5.4	5.6	5.8	6.3	3.4	3.7	3.9	4.2	4.6
12H 4H	5.2	5.6	5.6	6.0	6.4	3.6	4.0	4.0	4.4	4.8
6H	5.1	5.4	5.5	5.8	6.3	3.5	3.8	3.9	4.2	4.7
8H	5.0	5.3	5.5	5.8	6.3	3.4	3.7	3.9	4.2	4.6
Variations with the observer position at spacings(CIE Pub.117):										
S = 1.0H	+ 1.6 / - 2.2					+ 2.5 / - 6.1				
1.5H	+ 2.3 / - 6.0					+ 4.1 / - 4.7				
2.0H	+ 4.5 / -10.3					+ 3.9 / - 7.6				

CIE Pub.117, 1759 lm Total Lamp Luminous Flux Correct ($8\log(F/F_0) = 2.0$)
Area: 0.1 m²

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3;æ
Operators:LITPA
Test Date:09/10/2025

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.459
Humidity:55.0%
Test Distance:7.000m [K=1.0000]
Remarks: DFR10 17W LEDÝL C19331_DALINE REFLEKTÖR

UTILIZATION FACTORS TABLE

Test:U:230.53V I:0.0863A P:18.688W PF:0.9398 Freq:50.01Hz Lamp Flux:1759.09x1 lm		
NAME: DFR	TYPE: LED	WEIGHT: 0,3kg
SPEC.: 17W	DIM.: 10X84X20mm	SERIAL No.:
MFR.: LITPA AYDINLATMA	SUR.:	Shielding Angle:

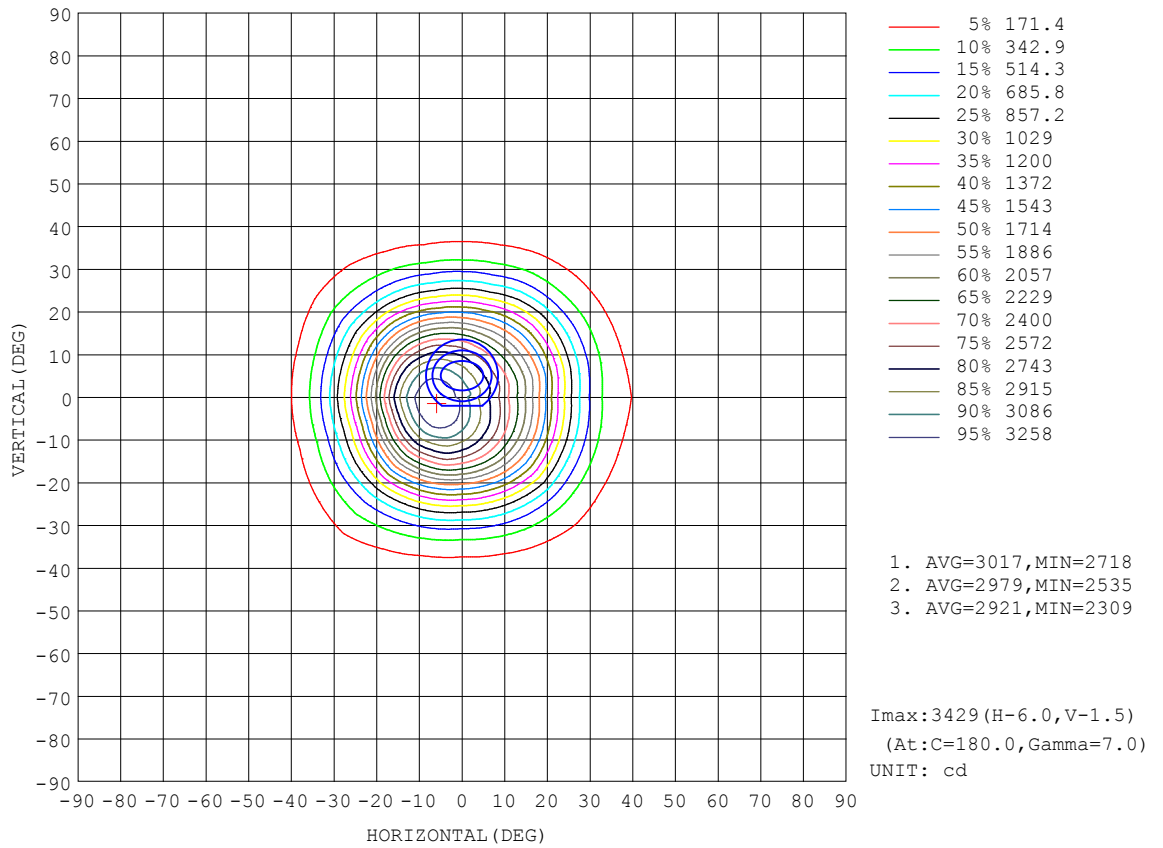
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS (PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	88	81	78	87	81	78	86	81	77	74
0.80	95	89	86	94	89	86	93	88	85	82
1.00	100	94	91	99	94	90	97	93	90	86
1.25	103	98	95	102	98	95	100	97	94	90
1.50	106	102	98	105	101	98	103	99	97	92
2.00	109	105	102	107	104	101	105	102	99	94
2.50	110	107	104	109	105	103	106	103	101	95
3.00	112	109	106	110	107	105	107	104	103	96
4.00	114	111	109	112	109	108	108	106	105	98
5.00	115	113	111	113	111	109	109	108	106	99
ROOM INDEX	UF(total)									Direct
According to DIN EN 13032-2 2004			Suspended					SHRNOM = 1.25		

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature: 25.3;æ
 Operators: LITPA
 Test Date: 09/10/2025

γ Range: 0 - 180DEG
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 Humidity: 55.0%
 Test Distance: 7.000m [K=1.0000]
 Remarks: DFR10 17W LEDÝL C19331_DALINE REFLEKTÖR

ISOCANDELA DIAGRAM

Test:U:230.53V I:0.0863A P:18.688W PF:0.9398 Freq:50.01Hz Lamp Flux:1759.09x1 lm		
NAME: DFR	TYPE: LED	WEIGHT: 0,3kg
SPEC.: 17W	DIM.: 10X84X20mm	SERIAL No.:
MFR.: LITPA AYDINLATMA	SUR.:	Shielding Angle:

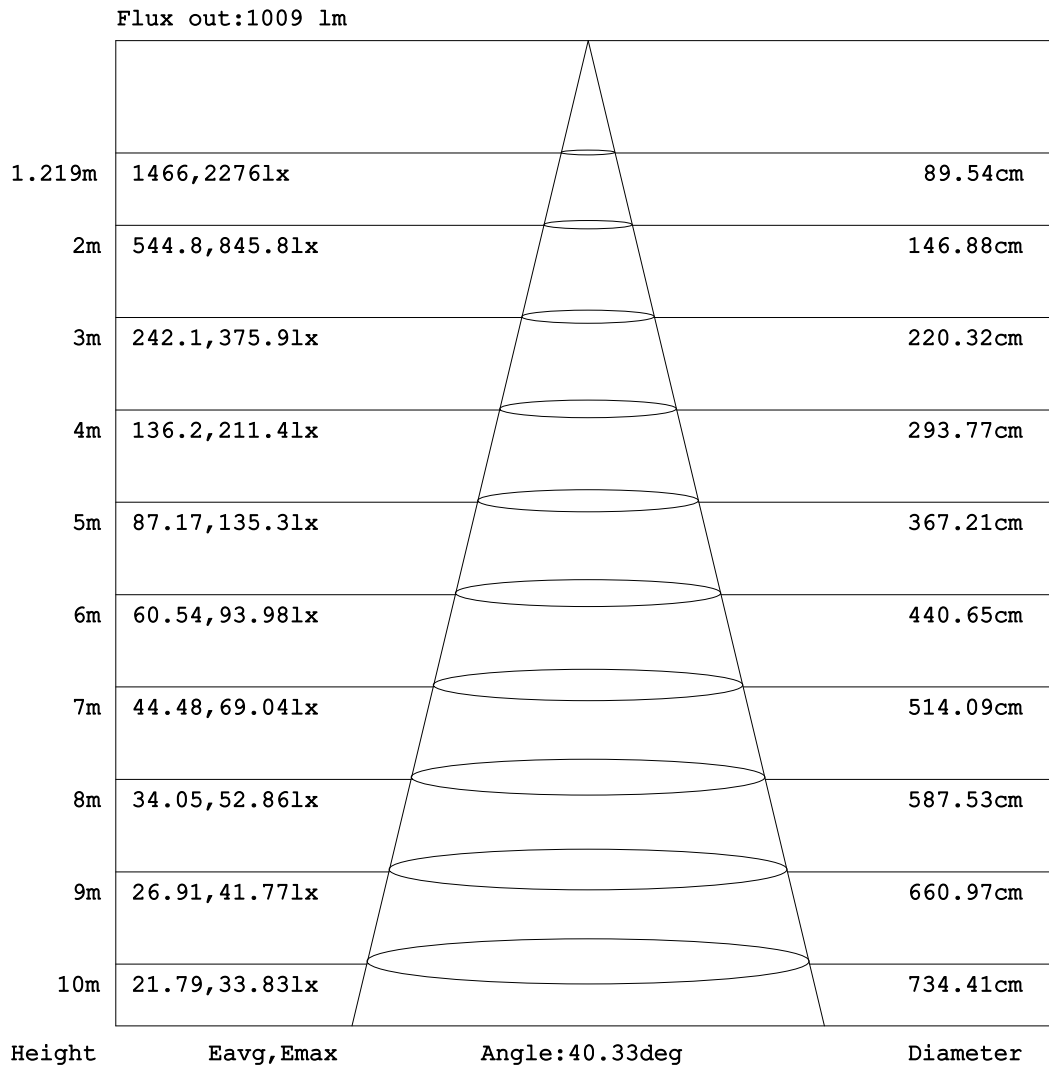


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AAI Figure

Test:U:230.53V I:0.0863A P:18.688W PF:0.9398 Freq:50.01Hz Lamp Flux:1759.09x1 lm		
NAME: DFR	TYPE: LED	WEIGHT: 0,3kg
SPEC.: 17W	DIM.: 10X84X20mm	SERIAL No.:
MFR.: LITPA AYDINLATMA	SUR.:	Shielding Angle:



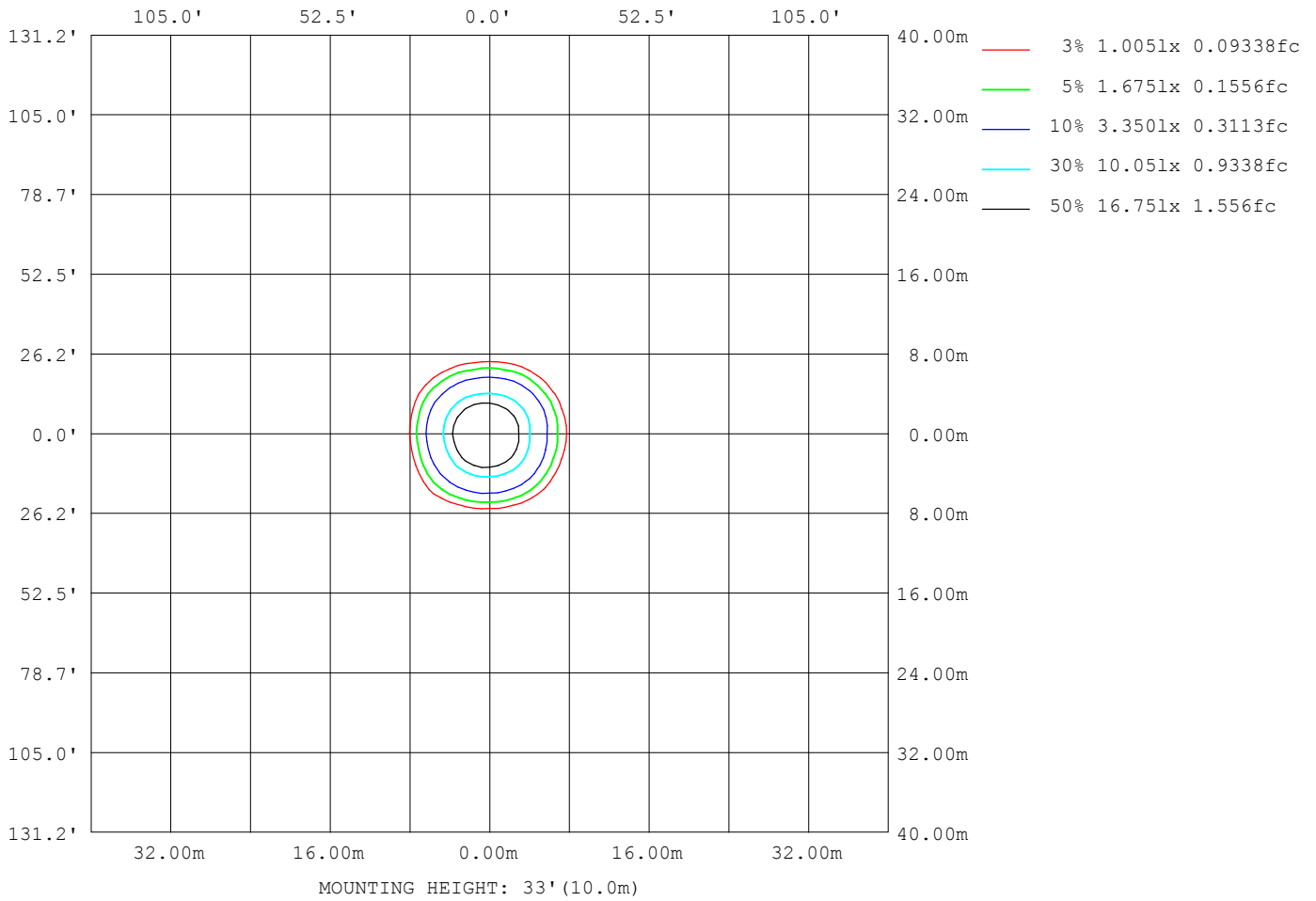
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3;æ
Operators:LITPA
Test Date:09/10/2025

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.459
Humidity:55.0%
Test Distance:7.000m [K=1.0000]
Remarks: DFR10 17W LEDÝL C19331_DALINE REFLEKTÖR

ISOLUX DIAGRAM

Test:U:230.53V I:0.0863A P:18.688W PF:0.9398 Freq:50.01Hz Lamp Flux:1759.09x1 lm		
NAME: DFR	TYPE: LED	WEIGHT: 0,3kg
SPEC.: 17W	DIM.: 10X84X20mm	SERIAL No.:
MFR.: LITPA AYDINLATMA	SUR.:	Shielding Angle:



C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3;æ
Operators:LITPA
Test Date:09/10/2025

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.459
Humidity:55.0%
Test Distance:7.000m [K=1.0000]
Remarks: DFR10 17W LEDÝL C19331_DALINE REFLEKTÖR

LED Avg.L Report

Test:U:230.53V I:0.0863A P:18.688W PF:0.9398 Freq:50.01Hz Lamp Flux:1759.09x1 lm		
NAME: DFR	TYPE: LED	WEIGHT: 0,3kg
SPEC.: 17W	DIM.: 10X84X20mm	SERIAL No.:
MFR.: LITPA AYDINLATMA	SUR.:	Shielding Angle:

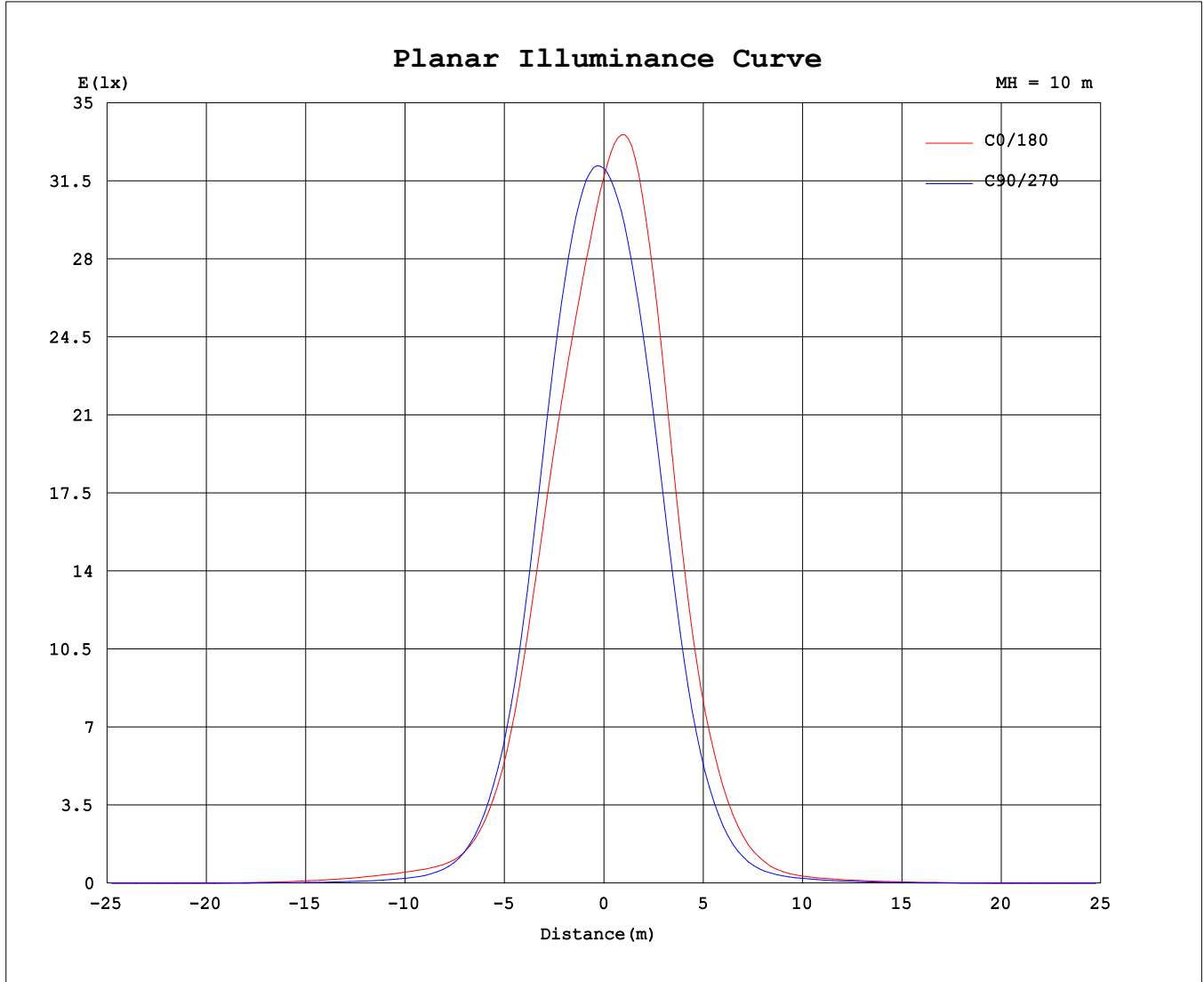
AvgL	cd/m2
L_0~180 (65) av	135
L_0~180 (75) av	152
L_0~180 (85) av	284
L_90~270 (65) av	44
L_90~270 (75) av	20
L_90~270 (85) av	19
L_45 (65) av	83
L_45 (75) av	17
L_45 (85) av	18

Standard: GB/T 29293-2012

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3;æ
Operators:LITPA
Test Date:09/10/2025

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.459
Humidity:55.0%
Test Distance:7.000m [K=1.0000]
Remarks: DFR10 17W LEDÝL C19331_DALINE REFLEKTÖR

Planar Illuminance Curve



C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature: 25.3;æ
Operators: LITPA
Test Date: 09/10/2025

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System: EVERFINE GO-2000B_V1 SYSTEM V2.00.459
Humidity: 55.0%
Test Distance: 7.000m [K=1.0000]
Remarks: DFR10 17W LEDÝL C19331_DALINE REFLEKTÖR

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:230.53V I:0.0863A P:18.688W PF:0.9398 Freq:50.01Hz Lamp Flux:1759.09x1 lm		
NAME: DFR	TYPE: LED	WEIGHT: 0,3kg
SPEC.: 17W	DIM.: 10X84X20mm	SERIAL No.:
MFR.: LITPA AYDINLATMA	SUR.:	Shielding Angle:

Table--1

UNIT: cd

C (DEG) γ (DEG)	0	15	30	45	60	75	90	105	120	135	150	165	180	195	210	225	240	255	270
0	3199	3199	3199	3199	3199	3199	3199	3199	3199	3199	3199	3199	3199	3199	3199	3199	3199	3199	3199
5	2858	2887	2932	2989	3050	3118	3185	3261	3314	3366	3380	3400	3428	3388	3341	3263	3195	3112	3043
10	2489	2536	2604	2683	2763	2859	2939	3055	3134	3227	3253	3297	3358	3275	3210	3068	2941	2807	2706
15	2056	2104	2174	2236	2316	2383	2450	2576	2635	2746	2764	2781	2896	2808	2715	2565	2440	2280	2180
20	1501	1555	1641	1704	1729	1735	1760	1861	1955	2048	2034	2005	2121	2071	2016	1898	1753	1593	1517
25	927	974	1043	1124	1099	1076	1072	1148	1228	1336	1303	1263	1358	1322	1309	1217	1067	943	902
30	506	539	570	612	603	589	574	630	681	748	758	730	787	764	756	659	577	495	471
35	260	270	285	302	296	274	256	293	345	399	396	362	389	383	395	337	281	224	217
40	171	151	142	153	135	121	114	125	157	209	185	160	172	172	191	170	126	106	102
45	142	112	75.9	77.5	68.3	63.9	62.8	64.1	71.9	93.8	80.5	85.2	93.0	84.1	84.9	79.4	63.7	60.3	62.1
50	114	89.2	42.7	41.1	38.5	39.3	40.9	39.5	38.0	40.2	38.1	56.8	65.9	51.3	37.6	38.6	37.5	39.2	40.5
55	75.0	62.3	24.6	22.7	20.9	24.3	25.3	24.8	20.6	20.9	21.0	37.1	44.9	34.3	20.5	20.5	21.2	23.6	24.5
60	33.7	31.6	13.0	10.8	10.7	12.5	12.2	12.7	10.4	9.50	10.6	18.9	24.4	19.4	10.9	9.32	10.9	12.1	12.6
65	3.81	5.27	4.10	3.84	3.28	2.70	1.75	2.48	2.90	3.09	3.04	6.06	7.57	5.25	3.72	3.17	3.22	2.31	1.97
70	3.01	1.41	0.89	0.74	0.79	0.84	0.88	0.81	0.74	0.70	1.08	1.92	6.41	1.97	1.14	0.73	0.74	0.84	0.84
75	2.50	0.90	0.55	0.44	0.49	0.51	0.54	0.49	0.47	0.41	0.60	1.39	5.37	1.54	0.58	0.45	0.46	0.52	0.51
80	2.87	0.56	0.34	0.27	0.30	0.30	0.32	0.29	0.28	0.24	0.33	0.72	3.80	0.78	0.32	0.29	0.27	0.32	0.29
85	2.92	0.38	0.21	0.15	0.18	0.14	0.17	0.13	0.16	0.12	0.16	0.20	2.03	0.28	0.14	0.17	0.14	0.18	0.15
90	2.46	0.14	0.13	0.10	0.11	0.11	0.11	0.10	0.10	0.08	0.08	0.08	0.83	0.11	0.08	0.10	0.10	0.11	0.12
95	0.22	0.10	0.11	0.10	0.11	0.11	0.11	0.10	0.09	0.09	0.07	0.08	0.09	0.08	0.08	0.10	0.10	0.11	0.12
100	0.09	0.10	0.10	0.10	0.10	0.11	0.11	0.11	0.09	0.09	0.07	0.09	0.11	0.08	0.10	0.10	0.11	0.11	0.12
105	0.09	0.11	0.10	0.11	0.10	0.12	0.11	0.12	0.09	0.11	0.07	0.12	0.13	0.09	0.11	0.10	0.12	0.11	0.14
110	0.12	0.14	0.10	0.13	0.10	0.14	0.11	0.14	0.09	0.12	0.10	0.15	0.18	0.12	0.15	0.10	0.15	0.12	0.15
115	0.18	0.19	0.14	0.17	0.13	0.17	0.13	0.16	0.13	0.16	0.14	0.19	0.23	0.18	0.20	0.15	0.19	0.16	0.19
120	0.26	0.28	0.24	0.24	0.20	0.22	0.18	0.21	0.18	0.22	0.21	0.27	0.32	0.28	0.29	0.24	0.28	0.24	0.27
125	0.44	0.44	0.38	0.37	0.31	0.32	0.30	0.31	0.30	0.33	0.35	0.40	0.48	0.43	0.44	0.39	0.41	0.38	0.41
130	0.73	0.70	0.64	0.60	0.52	0.51	0.47	0.49	0.47	0.53	0.53	0.60	0.70	0.67	0.68	0.64	0.66	0.63	0.65
135	1.17	1.11	1.05	0.97	0.87	0.83	0.78	0.78	0.78	0.83	0.84	0.92	1.05	1.02	1.03	1.01	1.02	1.01	1.03
140	1.79	1.67	1.60	1.47	1.37	1.30	1.25	1.23	1.23	1.27	1.27	1.35	1.49	1.49	1.51	1.50	1.53	1.54	1.56
145	2.47	2.38	2.29	2.11	2.02	1.91	1.88	1.82	1.81	1.81	1.83	1.87	2.06	2.11	2.09	2.11	2.16	2.20	2.24
150	3.19	3.08	3.00	2.85	2.77	2.64	2.62	2.56	2.52	2.45	2.45	2.54	2.75	2.75	2.74	2.79	2.89	2.93	3.00
155	3.89	3.78	3.83	3.59	3.53	3.41	3.38	3.25	3.33	3.11	3.13	3.16	3.41	3.45	3.41	3.58	3.56	3.69	3.74
160	4.52	4.43	4.50	4.37	4.25	4.13	4.16	3.98	3.96	3.83	3.83	3.96	4.14	4.11	4.11	4.30	4.22	4.36	4.41
165	5.14	4.98	5.02	4.94	4.86	4.82	4.78	4.61	4.67	4.53	4.60	4.57	4.81	4.75	4.76	4.94	4.92	4.93	5.08
170	5.75	5.46	5.49	5.63	5.35	5.33	5.33	5.19	5.42	5.35	5.12	5.14	5.33	5.36	5.41	5.58	5.42	5.42	5.59
175	5.96	5.96	5.88	6.10	5.83	5.75	5.83	5.70	5.70	5.91	5.71	5.62	5.80	5.81	5.94	5.83	5.77	5.82	5.79
180	6.05	6.05	6.03	6.00	5.97	5.95	5.94	5.94	5.90	5.91	5.88	5.89	6.05	6.05	6.03	6.00	5.97	5.94	5.94

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3;ø
Operators:LITPA
Test Date:09/10/2025

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.459
Humidity:55.0%
Test Distance:7.000m [K=1.0000]
Remarks: DFR10 17W LEDÝL C19331_DALINE REFLEKTÖR

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:230.53V I:0.0863A P:18.688W PF:0.9398 Freq:50.01Hz Lamp Flux:1759.09x1 lm		
NAME: DFR	TYPE: LED	WEIGHT: 0,3kg
SPEC.: 17W	DIM.: 10X84X20mm	SERIAL No.:
MFR.: LITPA AYDINLATMA	SUR.:	Shielding Angle:

Table--2

UNIT: cd

C (DEG) γ (DEG)	285	300	315	330	345													
0	3199	3199	3199	3199	3199													
5	2973	2923	2884	2862	2857													
10	2606	2548	2507	2487	2492													
15	2109	2070	2061	2055	2069													
20	1499	1531	1559	1556	1555													
25	894	967	1022	1010	984													
30	474	525	548	560	546													
35	218	251	263	279	273													
40	106	118	132	136	149													
45	61.4	63.7	69.6	74.3	116													
50	38.3	38.4	38.8	44.3	92.4													
55	22.8	21.3	22.5	25.5	59.5													
60	11.7	10.7	10.9	13.1	33.7													
65	2.48	3.46	3.86	4.51	5.89													
70	0.82	0.74	0.77	0.98	1.59													
75	0.52	0.44	0.46	0.55	0.98													
80	0.32	0.26	0.30	0.34	0.63													
85	0.18	0.14	0.19	0.19	0.45													
90	0.12	0.11	0.13	0.11	0.19													
95	0.12	0.11	0.11	0.11	0.12													
100	0.12	0.12	0.11	0.11	0.10													
105	0.12	0.13	0.11	0.12	0.10													
110	0.12	0.15	0.12	0.15	0.13													
115	0.17	0.20	0.18	0.22	0.19													
120	0.24	0.29	0.28	0.33	0.31													
125	0.40	0.45	0.46	0.52	0.49													
130	0.66	0.72	0.75	0.80	0.80													
135	1.07	1.13	1.19	1.23	1.23													
140	1.63	1.68	1.76	1.80	1.83													
145	2.34	2.37	2.45	2.47	2.51													
150	3.11	3.12	3.19	3.20	3.23													
155	3.87	3.86	3.98	3.91	3.90													
160	4.54	4.58	4.57	4.51	4.52													
165	5.08	5.02	5.04	5.01	4.96													
170	5.50	5.56	5.48	5.40	5.46													
175	5.79	5.98	5.80	5.74	5.76													
180	5.95	5.90	5.91	5.88	5.89													

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3;æ
Operators:LITPA
Test Date:09/10/2025

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
γ Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.459
Humidity:55.0%
Test Distance:7.000m [K=1.0000]
Remarks: DFR10 17W LEDÝL C19331_DALINE REFLEKTÖR