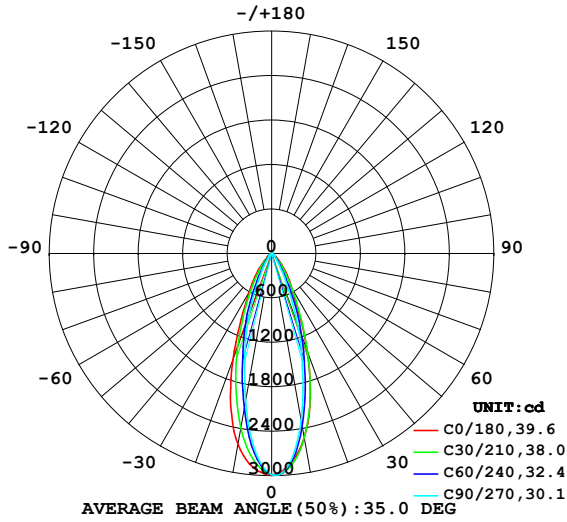


LUMINAIRE PHOTOMETRIC TEST REPORT

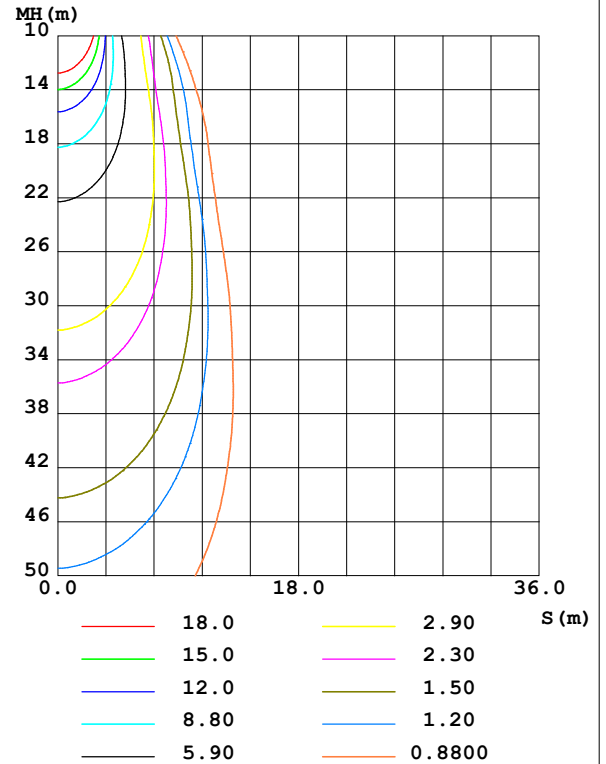
Test:U:230.50V I:0.0830A P:17.726W PF:0.9269 Freq:50.01Hz Lamp Flux:1384.29x1 lm		
NAME: DFR	TYPE: LED	WEIGHT: 0,3kg
SPEC.: 17W	DIM.: 10X84X20mm	SERIAL No.:
MFR.: LITPA AYDINLATMA	SUR.:	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA				Eff: 78.09 lm/W
MODEL	DFR10	I _{max} (cd)	2999	S/MH (C0/180)	0.65	
NOMINAL POWER(W)	17	LOR (%)	100.0	S/MH (C90/270)	0.47	
RATED VOLTAGE(V)	220.0	TOTAL FLUX(lm)	1384.3	η UP,DN (C0-180)	0.2,51.6	
NOMINAL FLUX(lm)	1384.29	CIE CLASS	DIRECT	η UP,DN (C180-360)	0.2,48.0	
LAMPS INSIDE	1	η up (%)	0.4	CIBSE SHR NOM	0.50	
TEST VOLTAGE(V)	220	η down (%)	99.6	CIBSE SHR MAX	0.60	

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 C19330_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	2529	2475	2297	2503	2615	2249	2029	2241	0- 10	254.1	254.1	18.4,18.4
20	1403	1334	1046	1354	1537	1182	914.4	1174	10- 20	493.1	747.2	54,54
30	545.0	503.9	293.7	492.1	607.4	442.7	259.5	428.5	20- 30	355.3	1103	79.6,79.6
40	246.1	163.4	89.23	158.3	256.4	147.2	77.24	134.6	30- 40	169.9	1272	91.9,91.9
50	89.08	44.90	43.07	40.37	80.58	36.18	43.95	37.38	40- 50	70.02	1342	97,97
60	28.92	12.70	18.53	11.79	28.09	11.20	14.63	12.14	50- 60	28.73	1371	99,99
70	3.467	0.8724	0.9680	0.8531	6.968	0.8850	0.9872	0.8729	60- 70	6.369	1377	99.5,99.5
80	3.363	0.2885	0.3546	0.2655	4.311	0.3140	0.3430	0.3121	70- 80	1.099	1379	99.6,99.6
90	4.417	0.0927	0.1133	0.0815	1.291	0.0998	0.1133	0.1170	80- 90	0.5361	1379	99.6,99.6
100	0.0906	0.0927	0.1027	0.0886	0.1051	0.0891	0.1204	0.1028	90-100	0.1516	1379	99.6,99.6
110	0.1267	0.1213	0.1027	0.1170	0.1633	0.1033	0.1488	0.1063	100-110	0.1133	1379	99.6,99.6
120	0.2824	0.2211	0.1699	0.2092	0.3410	0.2314	0.2233	0.2302	110-120	0.1681	1380	99.7,99.7
130	0.6519	0.4745	0.3606	0.4540	0.7184	0.5486	0.4575	0.5595	120-130	0.3206	1380	99.7,99.7
140	1.409	1.067	0.8351	1.032	1.415	1.236	1.074	1.275	130-140	0.6170	1381	99.7,99.7
150	2.366	2.076	1.869	1.996	2.426	2.281	2.205	2.373	140-150	1.021	1382	99.8,99.8
160	3.443	3.334	3.236	3.151	3.499	3.500	3.465	3.543	150-160	1.279	1383	99.9,99.9
170	4.414	4.346	4.157	4.225	4.180	4.359	4.311	4.252	160-170	1.073	1384	100,100
180	4.597	4.495	4.428	4.486	4.571	4.502	4.428	4.490	170-180	0.4166	1384	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

Conical surface Flux(90deg): 1316.3 lm

%lum = 95.1%

%lamp = 95.1%

Conical surface Flux(120deg): 1371.1 lm

%lum = 99.0%

%lamp = 99.0%

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 C19330_DALINE REFLEKTÖR

LUMINANCE LIMITATION CURVES

Test:U:230.50V I:0.0830A P:17.726W PF:0.9269 Freq:50.01Hz

Lamp Flux:1384.29x1 lm

NAME: DFR

TYPE: LED

WEIGHT: 0,3kg

SPEC.: 17W

DIM.: 10X84X20mm

SERIAL No.:

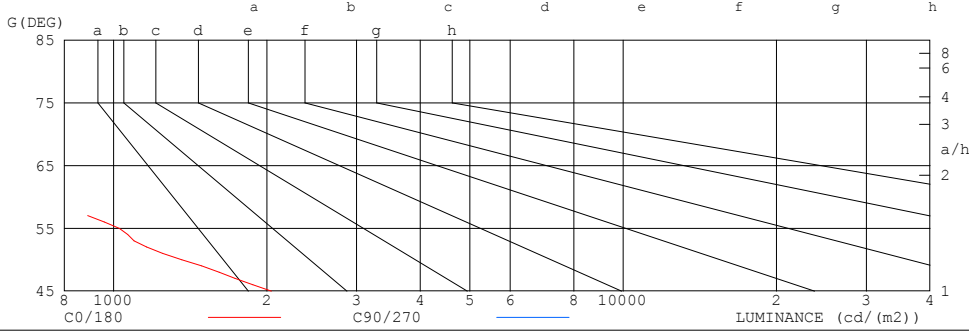
MFR.: LITPA AYDINLATMA

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	439	21
80	190	21
75	113	23
70	100	28
65	95	71
60	568	373
55	1027	708
50	1361	674
45	2042	743

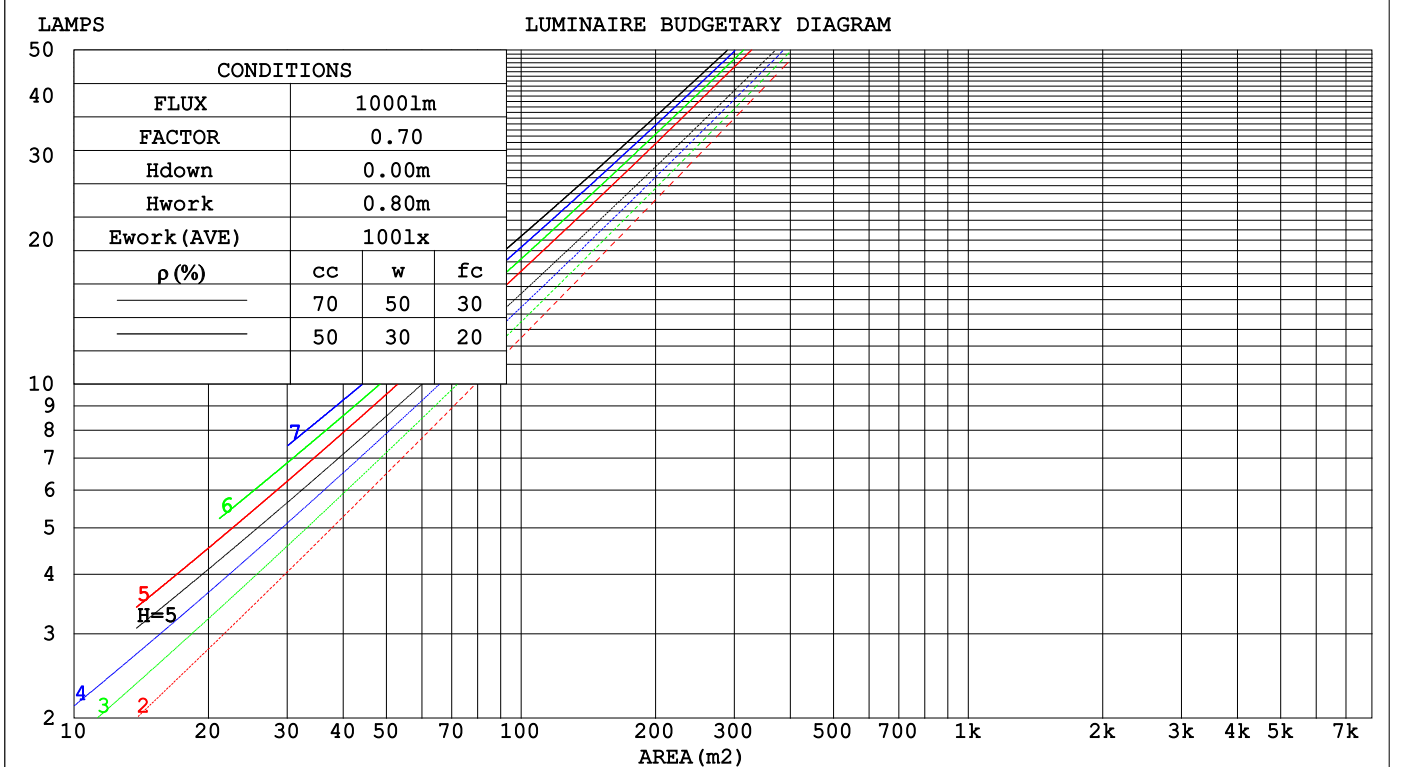
C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3;æ
Operators:LITPA
Test Date:09/10/2025

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 C19330_DALINE REFLEKTÖR

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:230.50V I:0.0830A P:17.726W PF:0.9269 Freq:50.01Hz Lamp Flux:1384.29x1 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	.00	.99	.98	.97	.96	.94
2.0	1.04	1.01	.97	1.03	.99	.96	.99	.97	.94	.96	.94	.92	.94	.92	.90	.89
3.0	.98	.94	.90	.97	.93	.89	.94	.91	.88	.92	.89	.86	.89	.87	.85	.83
4.0	.92	.87	.84	.91	.87	.83	.89	.85	.82	.87	.84	.81	.85	.83	.80	.79
5.0	.87	.82	.78	.87	.82	.78	.85	.80	.77	.83	.79	.77	.82	.78	.76	.74
6.0	.83	.78	.74	.82	.77	.73	.81	.76	.73	.79	.75	.72	.78	.75	.72	.71
7.0	.79	.73	.70	.78	.73	.69	.77	.72	.69	.76	.72	.69	.75	.71	.68	.67
8.0	.75	.70	.66	.75	.69	.66	.74	.69	.66	.72	.68	.65	.72	.68	.65	.64
9.0	.72	.66	.63	.71	.66	.63	.70	.66	.63	.69	.65	.62	.69	.65	.62	.61
10.0	.69	.63	.60	.68	.63	.60	.67	.63	.60	.67	.62	.60	.66	.62	.59	.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 C19330_DALINE REFLEKTÖR

WEC AND CCEC

Test:U:230.50V I:0.0830A P:17.726W PF:0.9269 Freq:50.01Hz Lamp Flux:1384.29x1 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	.166	.094	.030	.159	.091	.029	.146	.084	.027	.135	.078	.025	.124	.072	.023	
2.0	.158	.086	.027	.152	.084	.026	.141	.079	.024	.131	.074	.023	.122	.069	.022	
3.0	.149	.080	.024	.145	.077	.023	.136	.073	.022	.127	.070	.021	.119	.066	.020	
4.0	.142	.074	.022	.138	.072	.021	.130	.069	.021	.123	.066	.020	.116	.063	.019	
5.0	.135	.069	.020	.131	.067	.020	.124	.065	.019	.118	.062	.019	.112	.060	.018	
6.0	.128	.064	.018	.125	.063	.018	.119	.061	.018	.113	.059	.017	.108	.057	.017	
7.0	.122	.060	.017	.119	.059	.017	.114	.058	.017	.109	.056	.016	.105	.054	.016	
8.0	.117	.057	.016	.114	.056	.016	.110	.055	.016	.105	.053	.015	.101	.052	.015	
9.0	.112	.054	.015	.109	.053	.015	.105	.052	.015	.101	.051	.015	.098	.050	.014	
10.0	.107	.051	.014	.105	.051	.014	.101	.050	.014	.098	.049	.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	.088	.058	.055	.051	.019	.018	.017	
2.0	.157	.135	.117	.135	.117	.101	.092	.081	.071	.053	.047	.041	.017	.015	.013	
3.0	.144	.116	.094	.124	.100	.082	.085	.070	.057	.049	.041	.034	.016	.013	.011	
4.0	.133	.102	.077	.114	.088	.067	.079	.061	.047	.045	.036	.028	.015	.012	.009	
5.0	.124	.090	.064	.107	.078	.056	.073	.054	.040	.043	.032	.023	.014	.010	.008	
6.0	.116	.080	.054	.100	.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	.062	.040	.025	.036	.024	.015	.012	.008	.005	
9.0	.098	.061	.036	.085	.053	.031	.059	.037	.022	.034	.022	.013	.011	.007	.004	
10.0	.093	.056	.032	.081	.049	.028	.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 C19330_DALINE REFLEKTÖR

UGR(Unified Glare Rating) Table

Test:U:230.50V I:0.0830A P:17.726W PF:0.9269 Freq:50.01Hz Lamp Flux:1384.29x1 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	8.3	9.1	8.5	9.3	9.5	4.6	5.4	4.8	5.6	5.8
3H	8.1	8.9	8.4	9.1	9.3	4.4	5.2	4.7	5.4	5.6
4H	8.0	8.8	8.3	9.0	9.2	4.3	5.1	4.6	5.3	5.5
6H	8.0	8.7	8.2	8.9	9.1	4.3	5.0	4.6	5.2	5.5
8H	7.9	8.6	8.2	8.9	9.1	4.2	4.9	4.5	5.1	5.4
12H	7.9	8.6	8.2	8.8	9.1	4.2	4.8	4.5	5.1	5.4
4H 2H	8.0	8.8	8.3	9.0	9.2	4.4	5.2	4.7	5.4	5.6
3H	7.9	8.5	8.2	8.8	9.1	4.3	4.9	4.6	5.2	5.5
4H	7.8	8.4	8.1	8.7	9.0	4.2	4.8	4.5	5.1	5.4
6H	7.7	8.2	8.1	8.6	8.9	4.1	4.6	4.5	4.9	5.3
8H	7.7	8.2	8.1	8.5	8.9	4.0	4.5	4.4	4.9	5.2
12H	7.7	8.1	8.1	8.5	8.9	4.0	4.4	4.4	4.8	5.2
8H 4H	7.6	8.1	8.0	8.5	8.8	4.0	4.5	4.4	4.9	5.2
6H	7.5	7.9	8.0	8.3	8.8	3.9	4.3	4.4	4.7	5.1
8H	7.5	7.9	8.0	8.3	8.7	3.9	4.2	4.3	4.6	5.1
12H	7.5	7.8	8.0	8.3	8.7	3.8	4.1	4.3	4.6	5.0
12H 4H	7.6	8.0	8.0	8.4	8.8	4.0	4.4	4.4	4.8	5.2
6H	7.5	7.8	7.9	8.3	8.7	3.9	4.2	4.3	4.6	5.1
8H	7.5	7.8	7.9	8.2	8.7	3.8	4.1	4.3	4.6	5.0
Variations with the observer position at spacings(CIE Pub.117):										
S = 1.0H	+ 2.5 / - 4.6					+ 1.8 / - 2.7				
1.5H	+ 4.1 / - 6.8					+ 2.6 / - 3.3				
2.0H	+ 5.2 / - 8.7					+ 2.3 / - 5.5				

CIE Pub.117, 1384 lm Total Lamp Luminous Flux Correct ($8\log(F/F_0) = 1.1$)
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 C19330_DALINE REFLEKTÖR

UTILIZATION FACTORS TABLE

Test:U:230.50V I:0.0830A P:17.726W PF:0.9269 Freq:50.01Hz Lamp Flux:1384.29x1 lm		
NAME: DFR	TYPE: LED	WEIGHT: 0,3kg
SPEC.: 17W	DIM.: 10X84X20mm	SERIAL No.:
MFR.: LITPA AYDINLATMA	SUR.:	Shielding Angle:

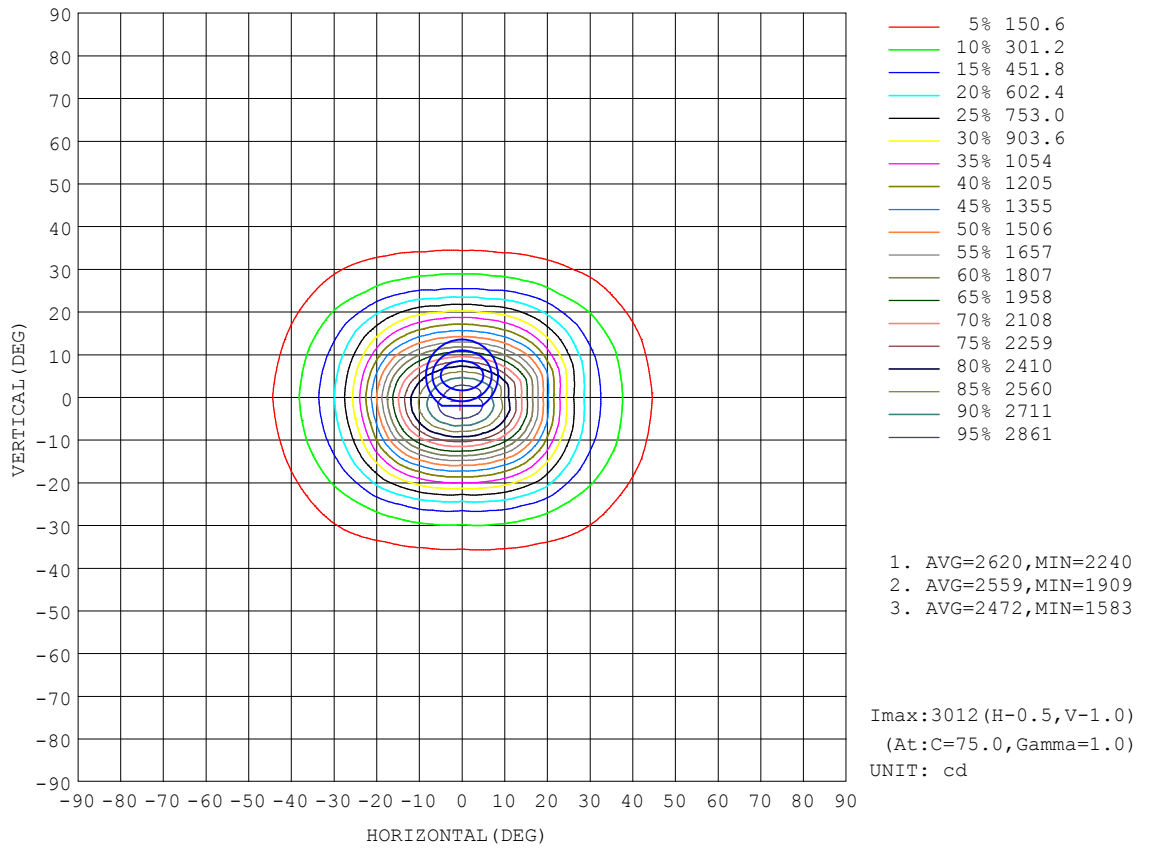
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS (PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	86	80	76	86	80	76	85	79	76	72
0.80	94	88	84	93	88	84	92	87	84	80
1.00	99	93	89	98	93	89	96	92	88	84
1.25	103	98	94	102	97	94	100	96	93	89
1.50	106	101	97	104	100	97	102	98	96	91
2.00	108	104	101	107	103	100	104	101	99	93
2.50	110	106	103	108	105	102	105	102	100	94
3.00	112	108	105	110	107	104	106	104	102	96
4.00	114	111	109	112	109	107	108	106	104	97
5.00	115	113	111	113	111	109	109	107	106	98
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
 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 C19330_DALINE REFLEKTÖR

ISOCANDELA DIAGRAM

Test:U:230.50V I:0.0830A P:17.726W PF:0.9269 Freq:50.01Hz Lamp Flux:1384.29x1 lm		
NAME: DFR	TYPE: LED	WEIGHT: 0,3kg
SPEC.: 17W	DIM.: 10X84X20mm	SERIAL No.:
MFR.: LITPA AYDINLATMA	SUR.:	Shielding Angle:

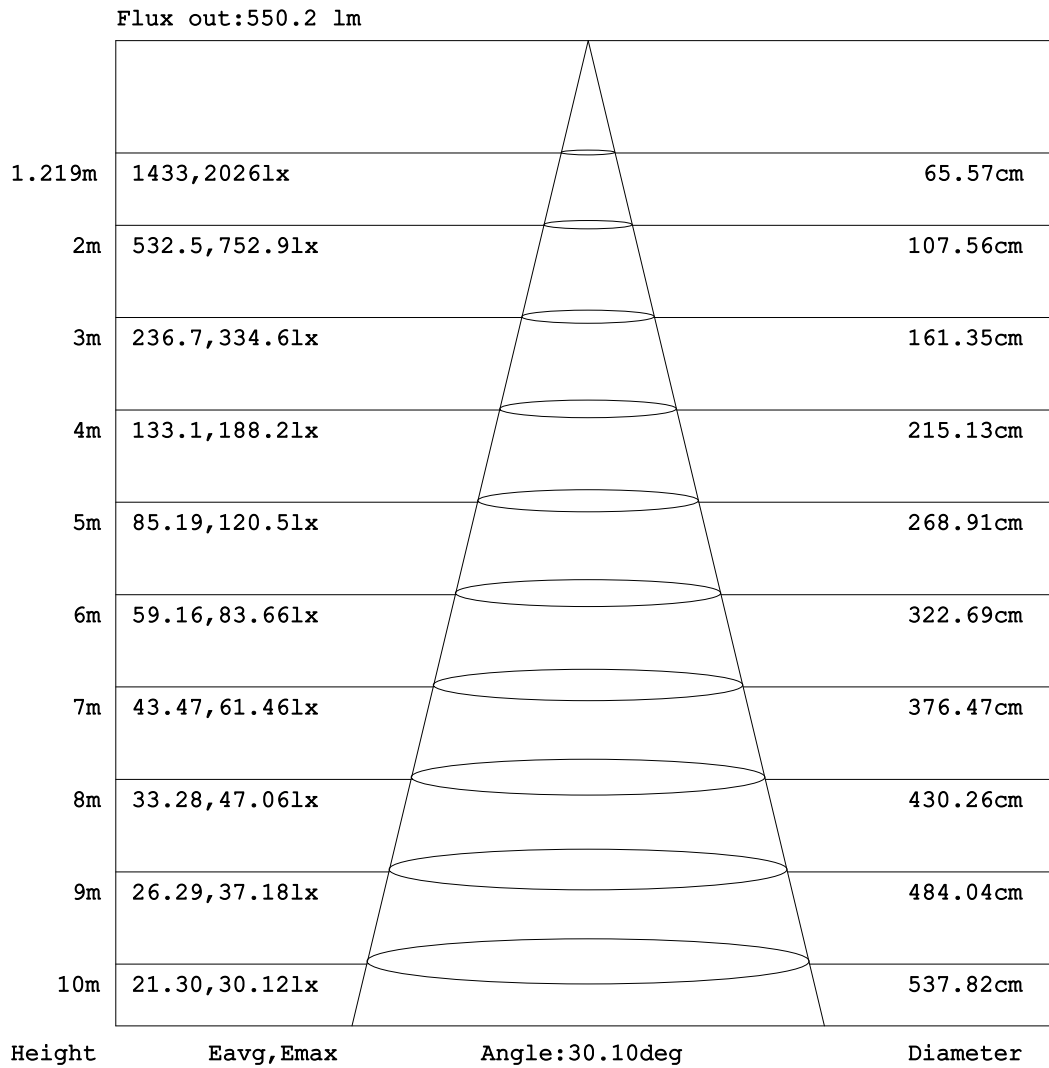


C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3;æ
Operators:LITPA
Test Date:09/10/2025

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 C19330_DALINE REFLEKTÖR

AAI Figure

Test:U:230.50V I:0.0830A P:17.726W PF:0.9269 Freq:50.01Hz Lamp Flux:1384.29x1 lm		
NAME: DFR	TYPE: LED	WEIGHT: 0,3kg
SPEC.: 17W	DIM.: 10X84X20mm	SERIAL No.:
MFR.: LITPA AYDINLATMA	SUR.:	Shielding Angle:



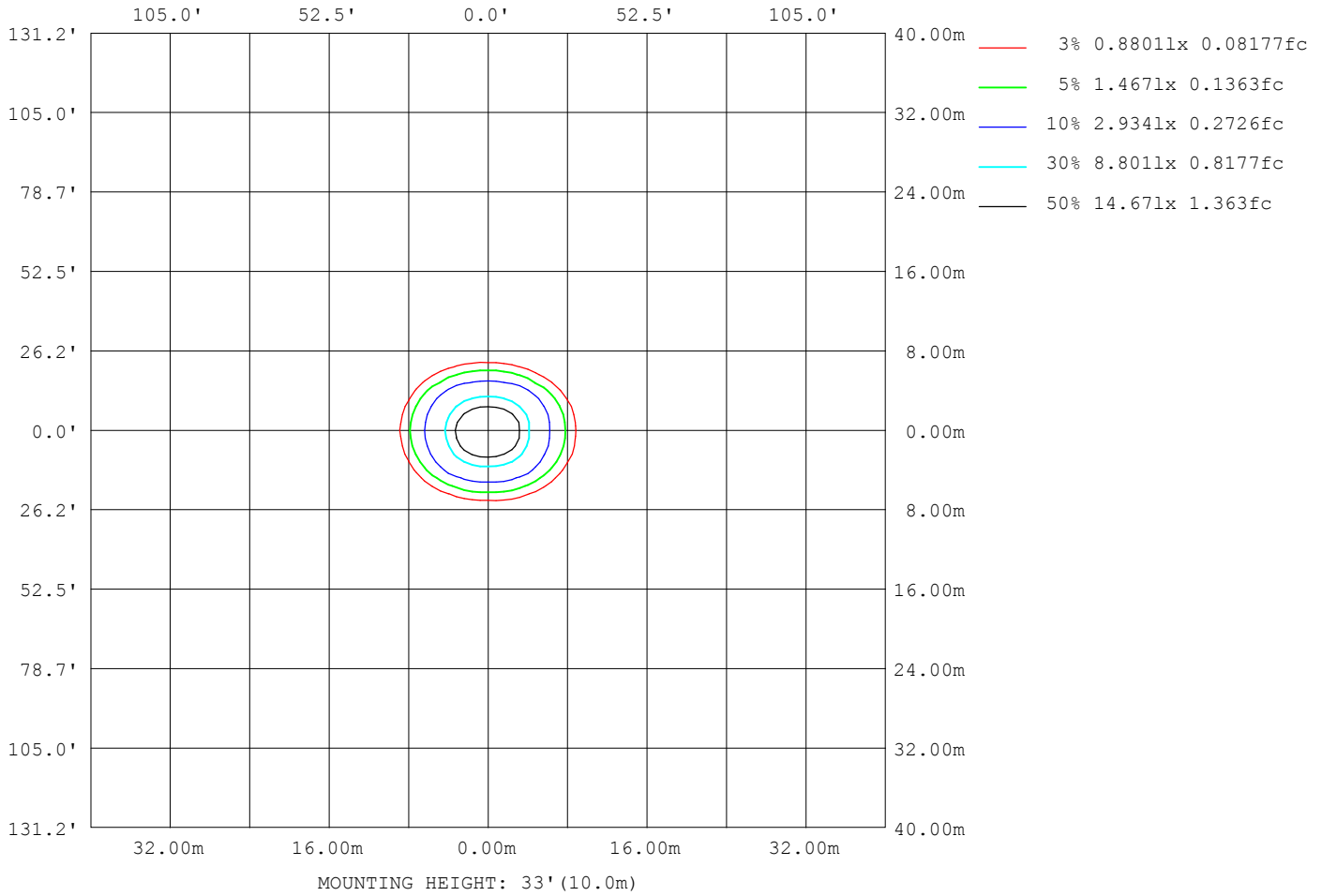
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

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 C19330_DALINE REFLEKTÖR

ISOLUX DIAGRAM

Test:U:230.50V I:0.0830A P:17.726W PF:0.9269 Freq:50.01Hz Lamp Flux:1384.29x1 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 C19330_DALINE REFLEKTÖR

LED Avg.L Report

Test:U:230.50V I:0.0830A P:17.726W PF:0.9269 Freq:50.01Hz Lamp Flux:1384.29x1 lm		
NAME: DFR	TYPE: LED	WEIGHT: 0,3kg
SPEC.: 17W	DIM.: 10X84X20mm	SERIAL No.:
MFR.: LITPA AYDINLATMA	SUR.:	Shielding Angle:

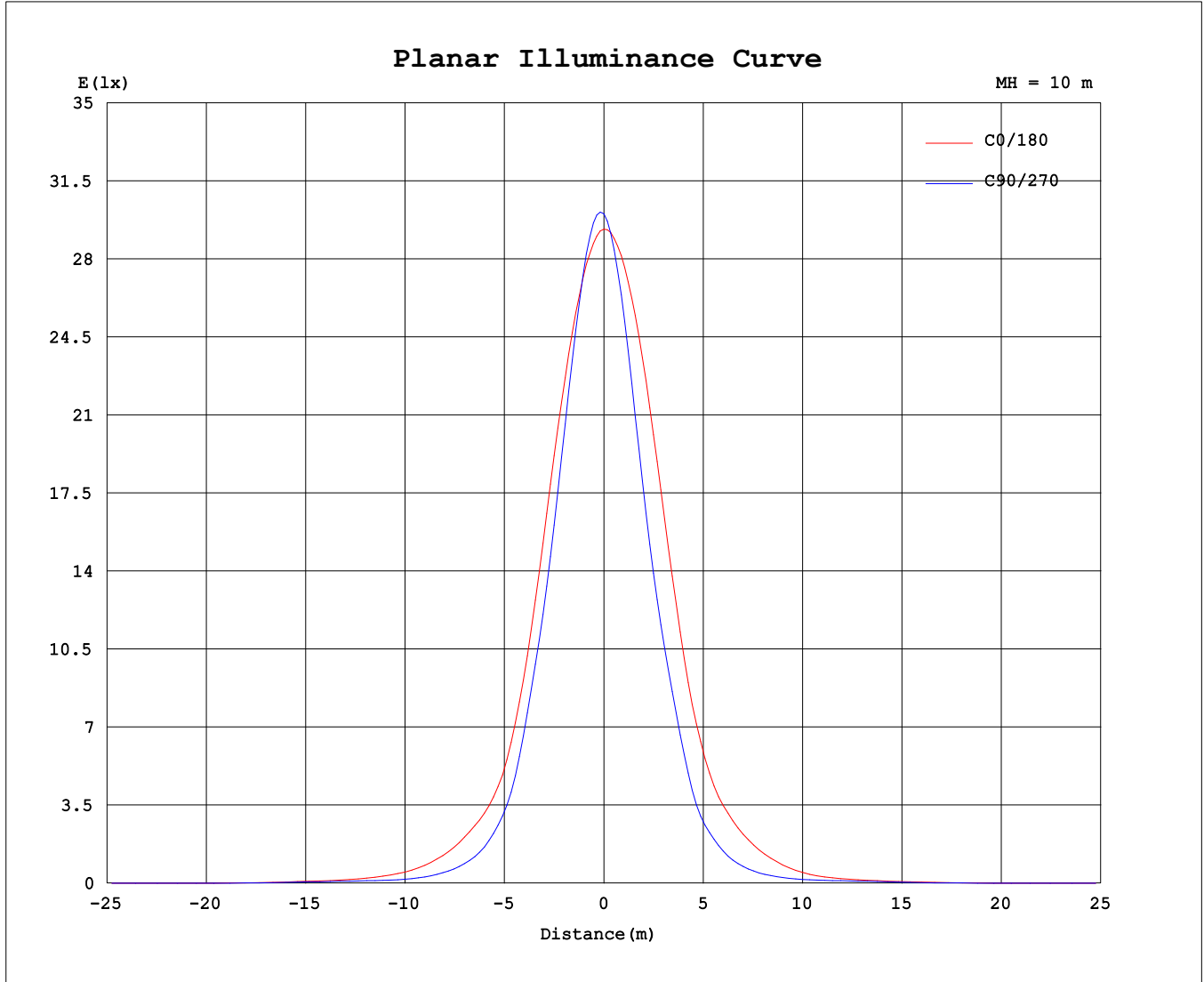
AvgL	cd/m2
L_0~180 (65) av	135
L_0~180 (75) av	173
L_0~180 (85) av	399
L_90~270 (65) av	60
L_90~270 (75) av	23
L_90~270 (85) av	20
L_45 (65) av	110
L_45 (75) av	19
L_45 (85) av	19

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 C19330_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 C19330_DALINE REFLEKTÖR

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:230.50V I:0.0830A P:17.726W PF:0.9269 Freq:50.01Hz

Lamp Flux:1384.29x1 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	2987	2987	2987	2987	2987	2987	2987	2987	2987	2987	2987	2987	2987	2987	2987	2987	2987	2987	2987
5	2858	2891	2891	2887	2861	2855	2840	2864	2873	2898	2900	2897	2899	2849	2799	2737	2700	2661	2656
10	2529	2576	2533	2475	2375	2324	2297	2339	2396	2503	2560	2596	2615	2514	2397	2249	2130	2054	2029
15	2023	2058	2011	1896	1754	1656	1618	1673	1783	1930	2039	2088	2137	2034	1870	1693	1531	1435	1404
20	1403	1452	1427	1334	1193	1098	1046	1100	1198	1354	1453	1475	1537	1458	1345	1182	1056	950	914
25	865	919	909	865	731	610	547	606	719	859	934	936	978	943	881	774	642	506	471
30	545	566	553	504	385	326	294	322	375	492	559	581	607	584	550	443	333	277	260
35	383	378	336	269	213	177	160	173	205	263	336	380	409	379	331	241	189	149	137
40	246	242	201	163	123	100	89.2	98.0	117	158	194	231	256	231	187	147	106	82.4	77.2
45	147	134	108	96.9	63.1	53.9	52.3	52.9	60.9	90.7	100.0	120	142	119	97.9	82.0	54.4	48.9	50.0
50	89.1	74.7	50.4	44.9	34.3	38.7	43.1	37.2	33.1	40.4	44.7	64.9	80.6	60.3	43.9	36.2	31.8	38.4	43.9
55	60.0	48.7	25.9	22.4	23.1	35.1	40.4	33.0	21.8	21.3	23.6	44.5	54.4	39.9	23.2	19.6	22.0	33.4	36.1
60	28.9	29.8	14.5	12.7	15.0	21.1	18.5	21.0	13.3	11.8	13.3	25.2	28.1	23.8	13.2	11.2	14.0	16.0	14.6
65	4.11	5.07	4.91	5.24	5.26	4.53	2.99	4.45	4.27	4.43	3.88	5.98	7.34	5.32	4.50	4.08	4.21	2.36	2.05
70	3.47	1.62	1.07	0.87	0.89	0.94	0.97	0.92	0.84	0.85	1.37	2.65	6.97	2.57	1.40	0.89	0.88	0.97	0.99
75	2.97	1.00	0.61	0.49	0.54	0.55	0.60	0.55	0.51	0.49	0.72	1.67	6.00	1.76	0.68	0.53	0.53	0.60	0.59
80	3.36	0.65	0.37	0.29	0.33	0.32	0.35	0.31	0.31	0.27	0.38	0.92	4.31	0.94	0.36	0.31	0.29	0.35	0.34
85	3.89	0.46	0.21	0.17	0.18	0.15	0.18	0.14	0.17	0.13	0.17	0.28	3.07	0.36	0.16	0.17	0.15	0.18	0.16
90	4.42	0.15	0.12	0.09	0.11	0.10	0.11	0.10	0.10	0.08	0.09	0.08	1.29	0.12	0.08	0.10	0.10	0.11	0.11
95	0.23	0.09	0.10	0.09	0.11	0.11	0.10	0.10	0.09	0.09	0.07	0.08	0.09	0.08	0.08	0.09	0.10	0.11	0.11
100	0.09	0.09	0.09	0.09	0.10	0.11	0.10	0.11	0.09	0.09	0.07	0.09	0.11	0.08	0.10	0.09	0.10	0.11	0.12
105	0.09	0.11	0.09	0.10	0.10	0.12	0.10	0.12	0.09	0.10	0.07	0.11	0.12	0.08	0.11	0.09	0.11	0.11	0.13
110	0.13	0.14	0.10	0.12	0.10	0.13	0.10	0.13	0.09	0.12	0.09	0.14	0.16	0.12	0.14	0.10	0.13	0.11	0.15
115	0.19	0.19	0.14	0.16	0.12	0.15	0.12	0.15	0.12	0.15	0.14	0.20	0.23	0.19	0.20	0.15	0.17	0.14	0.18
120	0.28	0.28	0.21	0.22	0.17	0.20	0.17	0.19	0.17	0.21	0.21	0.28	0.34	0.30	0.29	0.23	0.24	0.20	0.22
125	0.43	0.42	0.36	0.32	0.24	0.26	0.24	0.26	0.24	0.30	0.34	0.42	0.50	0.46	0.44	0.35	0.34	0.30	0.32
130	0.65	0.63	0.53	0.47	0.38	0.38	0.36	0.37	0.36	0.45	0.50	0.60	0.72	0.68	0.64	0.55	0.52	0.44	0.46
135	0.96	0.91	0.81	0.72	0.60	0.57	0.52	0.55	0.58	0.69	0.75	0.90	1.04	0.99	0.93	0.84	0.79	0.70	0.70
140	1.41	1.31	1.20	1.07	0.94	0.87	0.84	0.87	0.91	1.03	1.11	1.27	1.41	1.37	1.34	1.24	1.17	1.09	1.07
145	1.86	1.79	1.67	1.51	1.39	1.31	1.28	1.31	1.35	1.46	1.57	1.69	1.87	1.89	1.80	1.72	1.65	1.59	1.58
150	2.37	2.30	2.21	2.08	1.97	1.88	1.87	1.88	1.94	2.00	2.09	2.24	2.43	2.40	2.33	2.28	2.25	2.21	2.20
155	2.93	2.86	2.87	2.69	2.62	2.54	2.54	2.51	2.63	2.57	2.66	2.76	2.95	2.96	2.87	2.94	2.85	2.89	2.87
160	3.44	3.38	3.43	3.33	3.27	3.19	3.24	3.15	3.19	3.15	3.23	3.38	3.50	3.44	3.39	3.50	3.38	3.46	3.47
165	3.95	3.84	3.89	3.83	3.79	3.77	3.77	3.67	3.74	3.66	3.78	3.78	3.92	3.86	3.80	3.94	3.88	3.89	3.98
170	4.41	4.20	4.23	4.35	4.15	4.14	4.16	4.05	4.27	4.23	4.05	4.09	4.18	4.22	4.20	4.36	4.16	4.17	4.31
175	4.54	4.54	4.46	4.66	4.42	4.35	4.43	4.32	4.34	4.58	4.44	4.37	4.42	4.44	4.52	4.39	4.31	4.35	4.33
180	4.60	4.58	4.54	4.50	4.45	4.42	4.43	4.45	4.44	4.49	4.50	4.53	4.57	4.59	4.53	4.50	4.44	4.43	4.43

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 C19330_DALINE REFLEKTÖR

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:230.50V I:0.0830A P:17.726W PF:0.9269 Freq:50.01Hz Lamp Flux:1384.29x1 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	2987	2987	2987	2987	2987													
5	2654	2695	2735	2795	2845													
10	2047	2121	2241	2389	2509													
15	1427	1525	1677	1857	2019													
20	941	1047	1174	1325	1439													
25	502	631	758	857	915													
30	273	324	429	522	559													
35	146	180	223	314	368													
40	81.4	101	135	181	232													
45	48.5	54.8	77.6	94.7	127													
50	37.4	31.9	37.4	46.3	70.5													
55	31.9	21.9	20.9	24.9	47.4													
60	16.8	13.7	12.1	14.9	33.3													
65	2.59	4.48	4.77	5.30	5.79													
70	0.95	0.86	0.87	1.20	1.79													
75	0.59	0.50	0.50	0.64	1.05													
80	0.34	0.29	0.31	0.35	0.70													
85	0.18	0.14	0.19	0.18	0.51													
90	0.12	0.11	0.12	0.10	0.22													
95	0.11	0.11	0.11	0.10	0.12													
100	0.11	0.11	0.10	0.10	0.11													
105	0.11	0.12	0.10	0.11	0.10													
110	0.12	0.14	0.11	0.15	0.13													
115	0.14	0.18	0.15	0.21	0.20													
120	0.19	0.23	0.23	0.30	0.31													
125	0.29	0.34	0.36	0.46	0.47													
130	0.45	0.51	0.56	0.66	0.69													
135	0.70	0.79	0.87	0.97	1.01													
140	1.10	1.18	1.27	1.38	1.44													
145	1.62	1.68	1.78	1.86	1.92													
150	2.26	2.29	2.37	2.43	2.45													
155	2.94	2.93	3.03	2.99	3.00													
160	3.54	3.54	3.54	3.49	3.51													
165	3.99	3.93	3.94	3.91	3.89													
170	4.25	4.30	4.25	4.21	4.26													
175	4.35	4.55	4.43	4.42	4.46													
180	4.44	4.44	4.49	4.51	4.54													

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 C19330_DALINE REFLEKTÖR