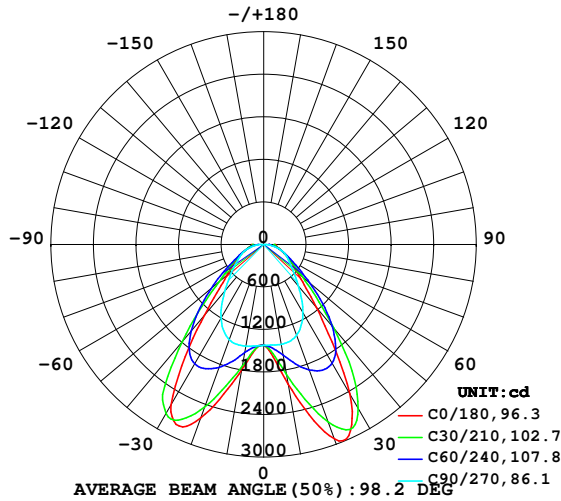


## LUMINAIRE PHOTOMETRIC TEST REPORT

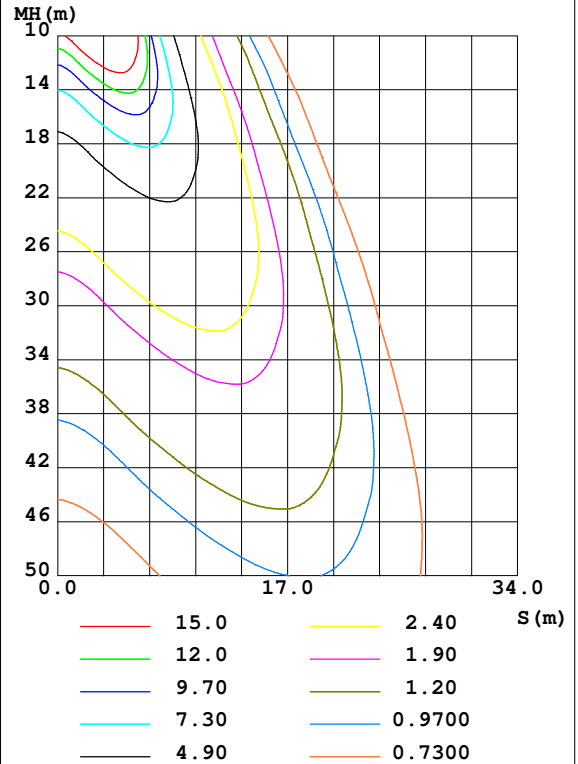
Test:U:230.28V I:0.1924A P:42.847W PF:0.9673 Freq:50.01Hz Lamp Flux:4966.92x1 lm		
NAME: TCA	TYPE:LED	WEIGHT:3.2kg
SPEC.:45W	DIM.: 68mmX1430mmX78mm	SERIAL No.:
MFR.: LITPA AYDINLATMA	SUR.:	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 115.92 lm/W			
MODEL	TCA	Imax (cd)	3001	S/MH (C0/180)	1.37
NOMINAL POWER(W)	45W	LOR (%)	100.0	S/MH (C90/270)	1.23
RATED VOLTAGE(V)	220.0	TOTAL FLUX (lm)	4966.9	$\eta$ UP, DN (C0-180)	0.0, 48.2
NOMINAL FLUX (lm)	4966.92	CIE CLASS	DIRECT	$\eta$ UP, DN (C180-360)	0.0, 51.8
LAMPS INSIDE	1	$\eta$ up (%)	0.0	CIBSE SHR NOM	0.50
TEST VOLTAGE (V)	220	$\eta$ down (%)	100.0	CIBSE SHR MAX	0.70

LUMINOUS INTENSITY DISTRIBUTION DIAGRAM



C0 PLANE ISOLUX DIAGRAM (UNIT:lx)



C Range: 0 - 360DEG  
 C Interval: 10.0DEG  
 Test Speed: HIGH  
 Temperature: 20DEG  
 Operators: LITPA  
 Test Date: 16 April 2019

$\gamma$  Range: 0 - 90DEG  
 $\gamma$  Interval: 1.0DEG  
 Test System: EVERFINE GO-2000B\_V1 SYSTEM V2.0.400  
 Humidity: 65.0%  
 Test Distance: 5.680m [K=1.0000]  
 Remarks: TCA-45W-VS  
 HELVAR LL1X70

## ZONAL FLUX DIAGRAM

## ZONAL FLUX DIAGRAM:

$\gamma$	C0	C45	C90	C135	C180	C225	C270	C315	$\gamma$	$\Phi$ zone	$\Phi$ total	%lum, lamp
10	1999	1729	1430	1641	1798	1651	1457	1718	0- 10	148.2	148.2	2.98,2.98
20	2916	2308	1362	2099	2603	2161	1428	2342	10- 20	551.7	700.0	14.1,14.1
30	2432	2498	1110	2300	2625	2466	1206	2668	20- 30	1035	1735	34.9,34.9
40	1162	1765	760.3	1755	1302	1991	851.8	2002	30- 40	1134	2869	57.8,57.8
50	628.9	893.0	526.5	925.3	682.0	1071	583.1	1044	40- 50	820.0	3689	74.3,74.3
60	414.3	443.6	394.0	460.8	451.6	519.5	414.8	505.8	50- 60	529.4	4219	84.9,84.9
70	272.8	265.9	281.8	274.1	295.9	299.3	298.9	290.4	60- 70	359.4	4578	92.2,92.2
80	190.5	165.9	135.8	172.7	197.0	189.3	155.3	183.0	70- 80	242.8	4821	97.1,97.1
90	168.4	117.1	8.589	112.5	166.2	119.2	12.37	118.5	80- 90	146.2	4967	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): 3323.6 lm

%lum = 66.9%

%lamp = 66.9%

Conical surface Flux(120deg): 4218.5 lm

%lum = 84.9%

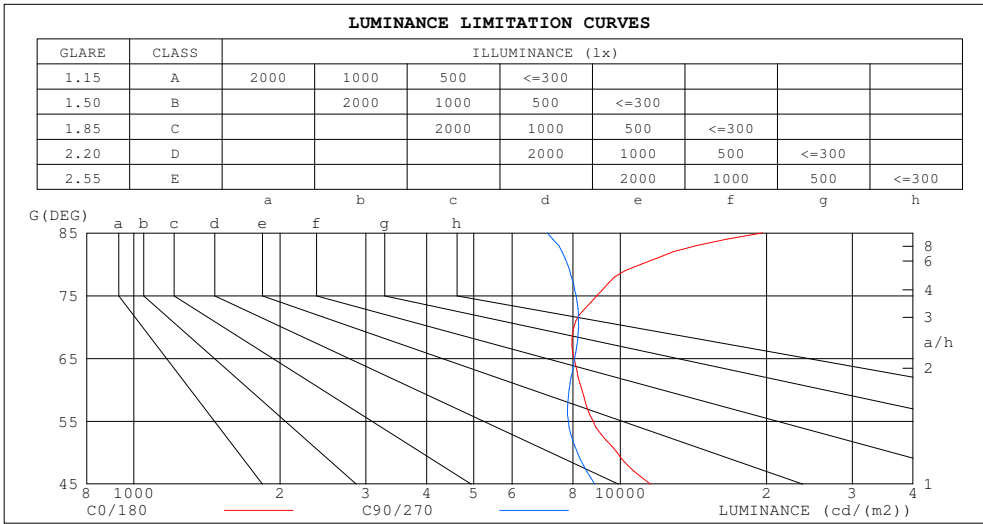
%lamp = 84.9%

C Range: 0 - 360DEG  
 C Interval: 10.0DEG  
 Test Speed: HIGH  
 Temperature:20DEG  
 Operators:LITPA  
 Test Date:16 April 2019

$\gamma$  Range: 0 - 90DEG  
 $\gamma$  Interval: 1.0DEG  
 Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.400  
 Humidity:65.0%  
 Test Distance:5.680m [K=1.0000]  
 Remarks: TCA-45W-VS  
 HELVAR LL1X70

## LUMINANCE LIMITATION CURVES

Test:U:230.28V I:0.1924A P:42.847W PF:0.9673 Freq:50.01Hz Lamp Flux:4966.92x1 lm		
NAME: TCA	TYPE:LED	WEIGHT:3.2kg
SPEC.:45W	DIM.: 68mmX1430mmX78mm	SERIAL No.:
MFR.: LITPA AYDINLATMA	SUR.:	Shielding Angle:



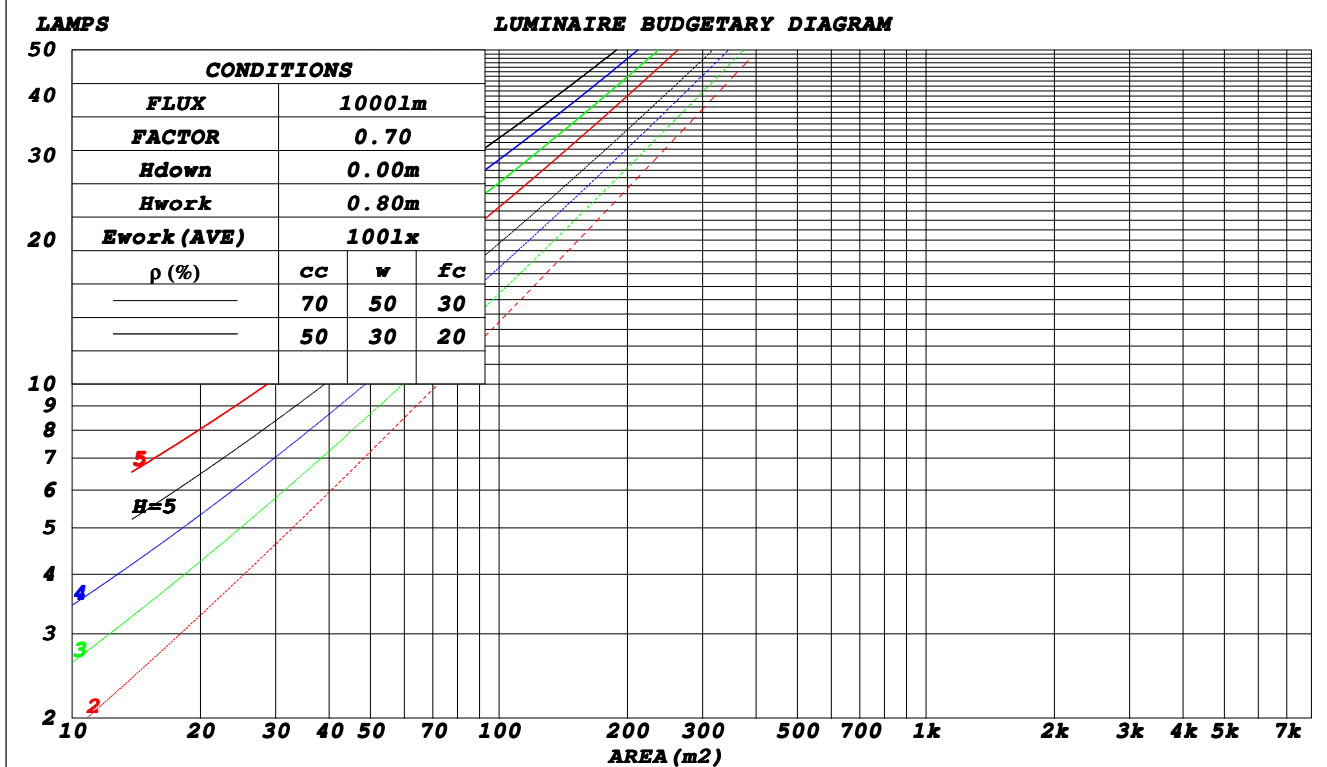
**C Range: 0 - 360DEG**  
**C Interval: 10.0DEG**  
**Test Speed: HIGH**  
**Temperature: 20DEG**  
**Operators: LITPA**  
**Test Date: 16 April 2019**

**γ Range: 0 - 90DEG**  
**γ Interval: 1.0DEG**  
**Test System: EVERFINE GO-2000B\_V1 SYSTEM V2.0.400**  
**Humidity: 65.0%**  
**Test Distance: 5.680m [K=1.0000]**  
**Remarks: TCA-45W-VS**  
**HELVAR LL1X70**

## CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:230.28V I:0.1924A P:42.847W PF:0.9673 Freq:50.01Hz Lamp Flux:4966.92x1 lm		
NAME: TCA	TYPE:LED	WEIGHT:3.2kg
SPEC.:45W	DIM.: 68mmX1430mmX78mm	SERIAL No.:
MFR.: LITPA AYDINLATMA	SUR.:	Shielding Angle:

$\rho_{cc}$	80%			70%			50%			30%			10%			0
$\rho_w$	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
$\rho_{fc}$	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	1.05	1.01	.97	1.03	.99	.96	.98	.95	.93	.95	.92	.90	.91	.89	.87	.85
2.0	.93	.87	.82	.91	.85	.81	.88	.83	.79	.84	.80	.77	.82	.78	.75	.73
3.0	.83	.76	.70	.82	.75	.69	.79	.73	.68	.76	.71	.67	.73	.69	.65	.63
4.0	.75	.66	.60	.73	.66	.60	.71	.64	.59	.69	.63	.58	.66	.62	.58	.55
5.0	.67	.59	.53	.66	.58	.53	.64	.57	.52	.62	.56	.51	.61	.55	.51	.49
6.0	.61	.53	.47	.60	.52	.47	.58	.51	.46	.57	.51	.46	.55	.50	.45	.44
7.0	.56	.48	.42	.55	.47	.42	.54	.46	.41	.52	.46	.41	.51	.45	.41	.39
8.0	.51	.43	.38	.50	.43	.37	.49	.42	.37	.48	.42	.37	.47	.41	.37	.35
9.0	.47	.39	.34	.47	.39	.34	.45	.39	.34	.44	.38	.34	.43	.38	.33	.32
10.0	.44	.36	.31	.43	.36	.31	.42	.35	.31	.41	.35	.31	.40	.35	.30	.29



C Range: 0 - 360DEG  
C Interval: 10.0DEG  
Test Speed: HIGH  
Temperature: 20DEG  
Operators: LITPA  
Test Date: 16 April 2019

$\gamma$  Range: 0 - 90DEG  
 $\gamma$  Interval: 1.0DEG  
Test System: EVERFINE GO-2000B\_V1 SYSTEM V2.0.400  
Humidity: 65.0%  
Test Distance: 5.680m [K=1.0000]  
Remarks: TCA-45W-VS  
HELVAR LL1X70

## WEC AND CCEC

Test:U:230.28V I:0.1924A P:42.847W PF:0.9673 Freq:50.01Hz Lamp Flux:4966.92x1 lm		
NAME: TCA	TYPE:LED	WEIGHT:3.2kg
SPEC.:45W	DIM.: 68mmX1430mmX78mm	SERIAL No.:
MFR.: LITPA AYDINLATMA	SUR.:	Shielding Angle:

$\rho_{cc}$	80%			70%			50%			30%			10%			0	
$\rho_w$	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0	
$\rho_{fc}$	20%			20%			20%			20%			20%			0	
RCR	RCR:Room Cavity Ratio						Wall Exitance Coefficients(WEC)										
0.0																	
1.0	.289	.164	.052	.282	.161	.051	.269	.154	.049	.257	.148	.047	.245	.142	.046		
2.0	.266	.146	.045	.260	.143	.044	.249	.138	.043	.238	.134	.042	.229	.129	.041		
3.0	.246	.131	.039	.241	.129	.039	.231	.125	.038	.222	.121	.037	.213	.118	.036		
4.0	.228	.119	.035	.224	.117	.035	.215	.114	.034	.207	.111	.033	.199	.108	.033		
5.0	.213	.108	.031	.208	.107	.031	.200	.104	.031	.193	.102	.030	.186	.100	.030		
6.0	.198	.099	.028	.195	.098	.028	.188	.096	.028	.181	.094	.028	.175	.092	.027		
7.0	.186	.092	.026	.183	.091	.026	.176	.089	.026	.171	.087	.025	.165	.086	.025		
8.0	.175	.085	.024	.172	.085	.024	.166	.083	.024	.161	.082	.024	.156	.080	.023		
9.0	.165	.080	.022	.162	.079	.022	.157	.078	.022	.152	.076	.022	.148	.075	.022		
10.0	.156	.075	.021	.153	.074	.021	.149	.073	.021	.145	.072	.020	.141	.071	.020		

$\rho_{cc}$	80%			70%			50%			30%			10%			0
$\rho_w$	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
$\rho_{fc}$	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	.179	.156	.136	.153	.134	.117	.105	.092	.081	.060	.053	.047	.019	.017	.015	
2.0	.169	.132	.101	.145	.114	.087	.099	.079	.061	.057	.046	.036	.018	.015	.012	
3.0	.160	.114	.078	.137	.098	.067	.094	.068	.047	.054	.040	.028	.017	.013	.009	
4.0	.152	.101	.061	.130	.087	.053	.090	.061	.038	.052	.035	.022	.017	.012	.007	
5.0	.144	.090	.050	.124	.078	.043	.085	.054	.031	.049	.032	.018	.016	.010	.006	
6.0	.137	.081	.041	.118	.070	.036	.081	.049	.025	.047	.029	.015	.015	.009	.005	
7.0	.131	.074	.035	.112	.064	.030	.078	.045	.022	.045	.027	.013	.015	.009	.004	
8.0	.124	.069	.030	.107	.059	.026	.074	.042	.019	.043	.025	.011	.014	.008	.004	
9.0	.119	.064	.026	.102	.055	.023	.071	.039	.016	.041	.023	.010	.013	.008	.003	
10.0	.114	.059	.023	.098	.052	.020	.068	.036	.014	.040	.021	.009	.013	.007	.003	

C Range: 0 - 360DEG  
 C Interval: 10.0DEG  
 Test Speed: HIGH  
 Temperature: 20DEG  
 Operators: LITPA  
 Test Date: 16 April 2019

$\gamma$  Range: 0 - 90DEG  
 $\gamma$  Interval: 1.0DEG  
 Test System: EVERFINE GO-2000B\_V1 SYSTEM V2.0.400  
 Humidity: 65.0%  
 Test Distance: 5.680m [K=1.0000]  
 Remarks: TCA-45W-VS  
 HELVAR LL1X70

UGR(Unified Glare Rating) Table

Test:U:230.28V I:0.1924A P:42.847W PF:0.9673 Freq:50.01Hz Lamp Flux:4966.92x1 lm										
NAME: TCA					TYPE:LED			WEIGHT:3.2kg		
SPEC.:45W					DIM.: 68mmX1430mmX78mm			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	19.9	21.3	20.2	21.5	21.7	19.6	21.0	19.9	21.2	21.4
3H	21.0	22.3	21.3	22.5	22.7	20.8	22.1	21.1	22.3	22.5
4H	21.6	22.8	21.9	23.1	23.3	21.4	22.6	21.7	22.8	23.1
6H	22.4	23.5	22.7	23.8	24.1	21.9	23.0	22.2	23.3	23.6
8H	22.8	23.9	23.2	24.2	24.5	22.1	23.2	22.4	23.5	23.7
12H	23.4	24.5	23.8	24.8	25.1	22.2	23.3	22.5	23.6	23.9
4H 2H	20.3	21.5	20.6	21.8	22.0	20.0	21.2	20.3	21.5	21.7
3H	21.6	22.7	21.9	22.9	23.2	21.4	22.5	21.8	22.8	23.1
4H	22.4	23.4	22.8	23.7	24.0	22.2	23.2	22.6	23.5	23.8
6H	23.4	24.3	23.8	24.6	25.0	22.9	23.8	23.3	24.1	24.5
8H	24.0	24.8	24.4	25.2	25.6	23.2	24.0	23.6	24.3	24.7
12H	24.8	25.5	25.2	25.9	26.3	23.4	24.1	23.8	24.5	24.9
8H 4H	22.7	23.5	23.1	23.9	24.3	22.5	23.3	22.9	23.7	24.1
6H	24.0	24.6	24.4	25.0	25.5	23.4	24.1	23.9	24.5	24.9
8H	24.7	25.3	25.2	25.8	26.2	23.9	24.5	24.3	24.9	25.3
12H	25.8	26.3	26.3	26.7	27.2	24.2	24.7	24.7	25.1	25.6
12H 4H	22.8	23.5	23.2	23.9	24.3	22.6	23.3	23.0	23.7	24.1
6H	24.1	24.7	24.5	25.1	25.5	23.6	24.2	24.0	24.6	25.1
8H	24.9	25.5	25.4	25.9	26.4	24.1	24.6	24.6	25.0	25.5
Variations with the observer position at spacings:										
S = 1.0H	+ 0.4 / - 0.4					+ 0.6 / - 0.4				
1.5H	+ 0.2 / - 0.3					+ 0.4 / - 0.6				
2.0H	+ 0.1 / - 0.2					+ 0.5 / - 0.5				

CIE Pub.117, 4967 lm Total Lamp Luminous Flux Corrected ( $8\log(F/F_0) = 5.6$ )

C Range: 0 - 360DEG  
 C Interval: 10.0DEG  
 Test Speed: HIGH  
 Temperature:20DEG  
 Operators:LITPA  
 Test Date:16 April 2019

γ Range: 0 - 90DEG  
 γ Interval: 1.0DEG  
 Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.400  
 Humidity:65.0%  
 Test Distance:5.680m [K=1.0000]  
 Remarks: TCA-45W-VS  
 HELVAR LL1X70

## UTILIZATION FACTORS TABLE

Test:U:230.28V I:0.1924A P:42.847W PF:0.9673 Freq:50.01Hz Lamp Flux:4966.92x1 lm		
NAME: TCA	TYPE:LED	WEIGHT:3.2kg
SPEC.:45W	DIM.: 68mmX1430mmX78mm	SERIAL No.:
MFR.: LITPA AYDINLATMA	SUR.:	Shielding Angle:

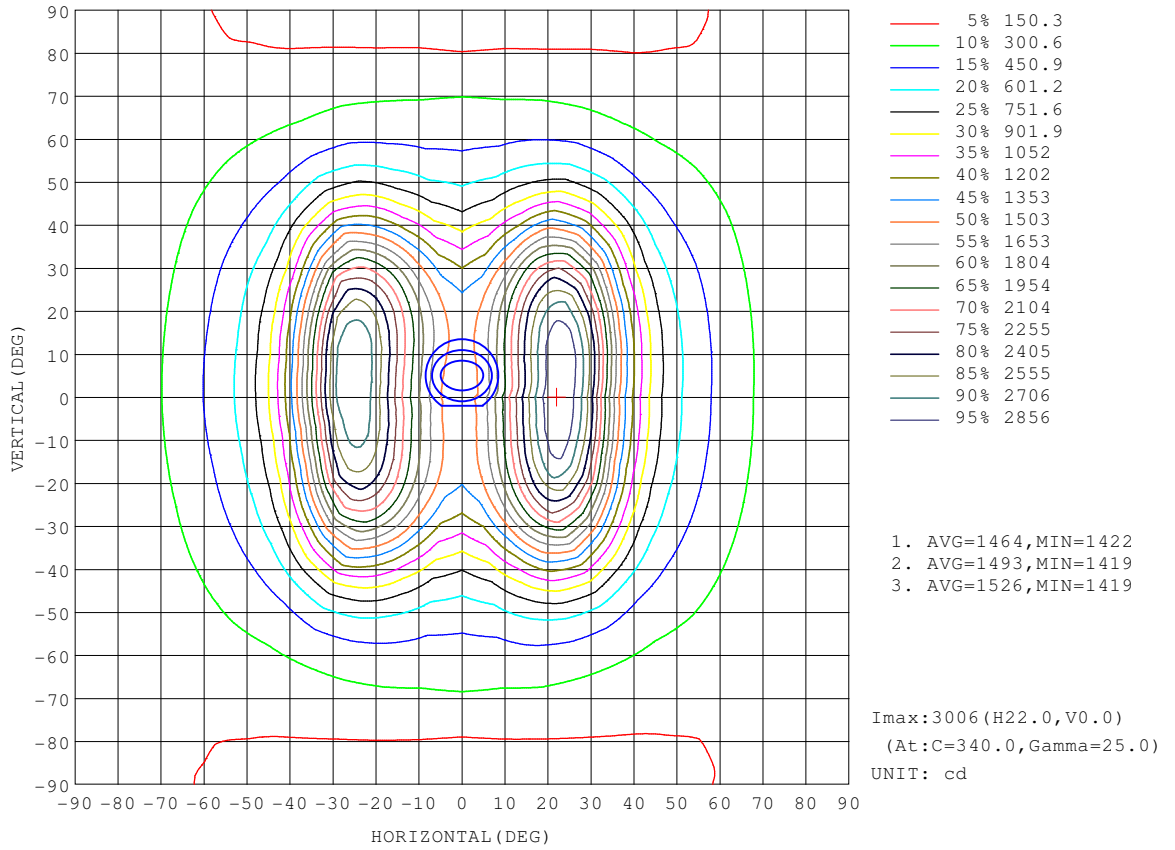
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS (PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	65	55	49	65	55	49	64	55	49	43
0.80	75	65	59	74	64	58	72	64	58	52
1.00	82	73	67	81	72	66	79	73	66	59
1.25	89	80	73	87	79	73	85	78	72	66
1.50	93	84	78	91	84	78	89	82	77	70
2.00	99	91	86	97	90	85	94	88	83	76
2.50	102	95	90	100	94	89	96	91	87	79
3.00	104	98	94	102	97	92	99	94	90	82
4.00	108	103	99	106	101	97	101	98	95	86
5.00	110	106	102	107	104	100	103	100	97	88
ROOM INDEX	UF (total)									Direct
According to DIN EN 13032-2 2004			Suspended					SHRNOM = 1.25		

C Range: 0 - 360DEG  
 C Interval: 10.0DEG  
 Test Speed: HIGH  
 Temperature: 20DEG  
 Operators: LITPA  
 Test Date: 16 April 2019

γ Range: 0 - 90DEG  
 γ Interval: 1.0DEG  
 Test System: EVERFINE GO-2000B\_V1 SYSTEM V2.0.400  
 Humidity: 65.0%  
 Test Distance: 5.680m [K=1.0000]  
 Remarks: TCA-45W-VS  
 HELVAR LL1X70

## ISOCANDELA DIAGRAM

Test:U:230.28V I:0.1924A P:42.847W PF:0.9673 Freq:50.01Hz Lamp Flux:4966.92x1 lm		
NAME: TCA	TYPE:LED	WEIGHT:3.2kg
SPEC.:45W	DIM.: 68mmX1430mmX78mm	SERIAL No.:
MFR.: LITPA AYDINLATMA	SUR.:	Shielding Angle:



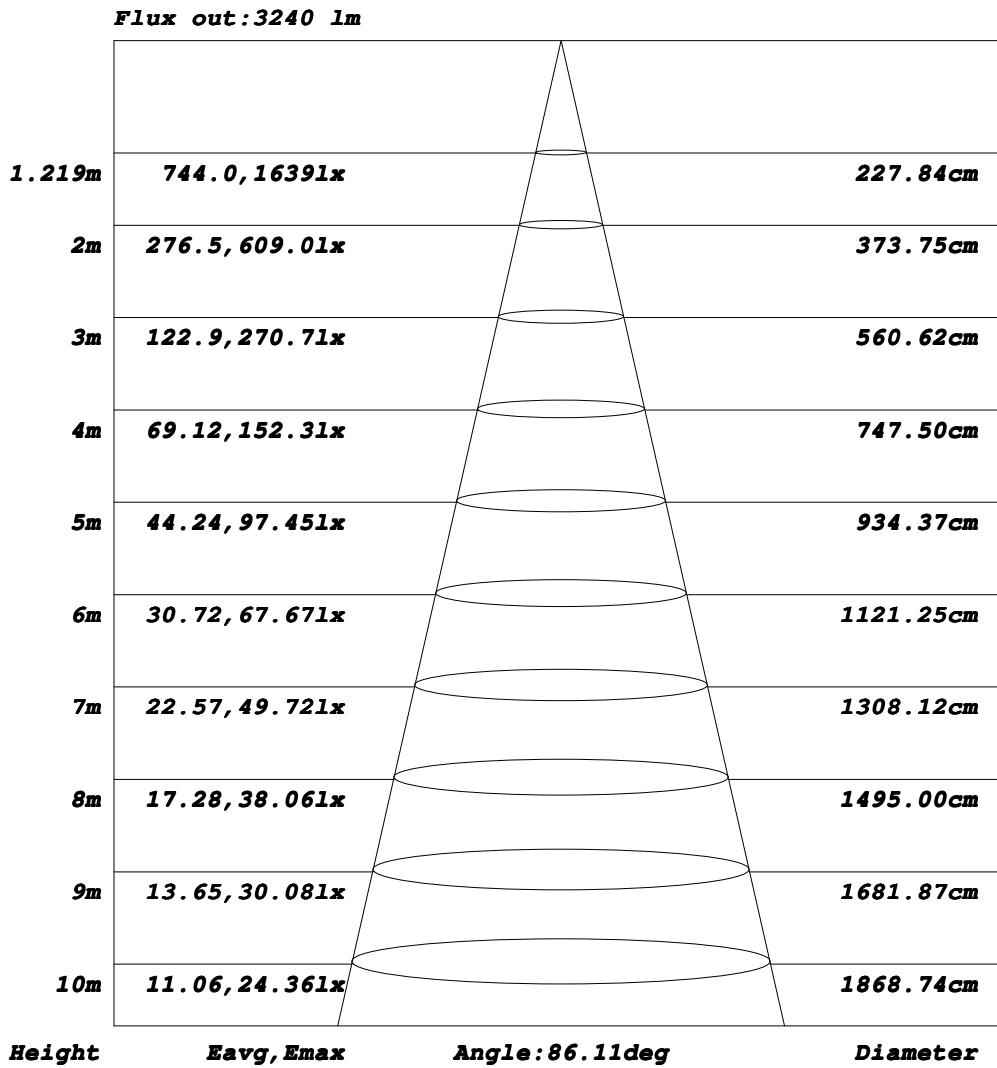
C Range: 0 - 360DEG  
C Interval: 10.0DEG  
Test Speed: HIGH  
Temperature:20DEG  
Operators:LITPA  
Test Date:16 April 2019

γ Range: 0 - 90DEG  
γ Interval: 1.0DEG  
Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.400  
Humidity:65.0%  
Test Distance:5.680m [K=1.0000]  
Remarks: TCA-45W-VS  
HELVAR LL1X70



## AAI Figure

Test:U:230.28V I:0.1924A P:42.847W PF:0.9673 Freq:50.01Hz Lamp Flux:4966.92x1 lm		
NAME: TCA	TYPE:LED	WEIGHT:3.2kg
SPEC.:45W	DIM.: 68mmX1430mmX78mm	SERIAL No.:
MFR.: LITPA AYDINLATMA	SUR.:	Shielding Angle:



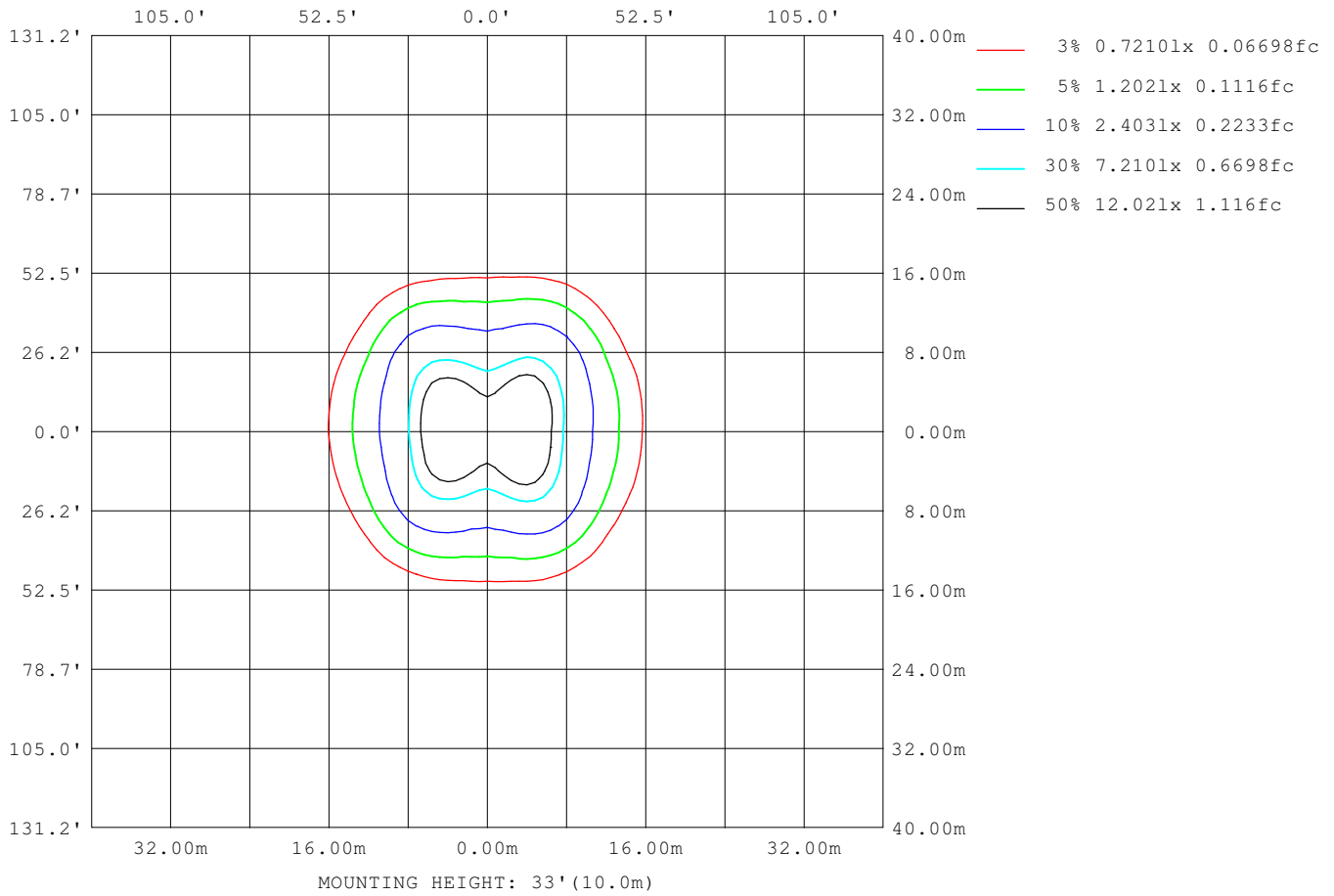
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG  
C Interval: 10.0DEG  
Test Speed: HIGH  
Temperature:20DEG  
Operators:LITPA  
Test Date:16 April 2019

γ Range: 0 - 90DEG  
γ Interval: 1.0DEG  
Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.400  
Humidity:65.0%  
Test Distance:5.680m [K=1.0000]  
Remarks: TCA-45W-VS  
HELVAR LL1X70

## ISOLUX DIAGRAM

Test:U:230.28V I:0.1924A P:42.847W PF:0.9673 Freq:50.01Hz Lamp Flux:4966.92x1 lm		
NAME: TCA	TYPE:LED	WEIGHT:3.2kg
SPEC.:45W	DIM.: 68mmX1430mmX78mm	SERIAL No.:
MFR.: LITPA AYDINLATMA	SUR.:	Shielding Angle:



C Range: 0 - 360DEG  
C Interval: 10.0DEG  
Test Speed: HIGH  
Temperature: 20DEG  
Operators: LITPA  
Test Date: 16 April 2019

γ Range: 0 - 90DEG  
γ Interval: 1.0DEG  
Test System: EVERFINE GO-2000B\_V1 SYSTEM V2.0.400  
Humidity: 65.0%  
Test Distance: 5.680m [K=1.0000]  
Remarks: TCA-45W-VS  
HELVAR LL1X70

## LED Avg.L Report

Test:U:230.28V I:0.1924A P:42.847W PF:0.9673 Freq:50.01Hz Lamp Flux:4966.92x1 lm		
NAME: TCA	TYPE:LED	WEIGHT:3.2kg
SPEC.:45W	DIM.: 68mmX1430mmX78mm	SERIAL No.:
MFR.: LITPA AYDINLATMA	SUR.:	Shielding Angle:

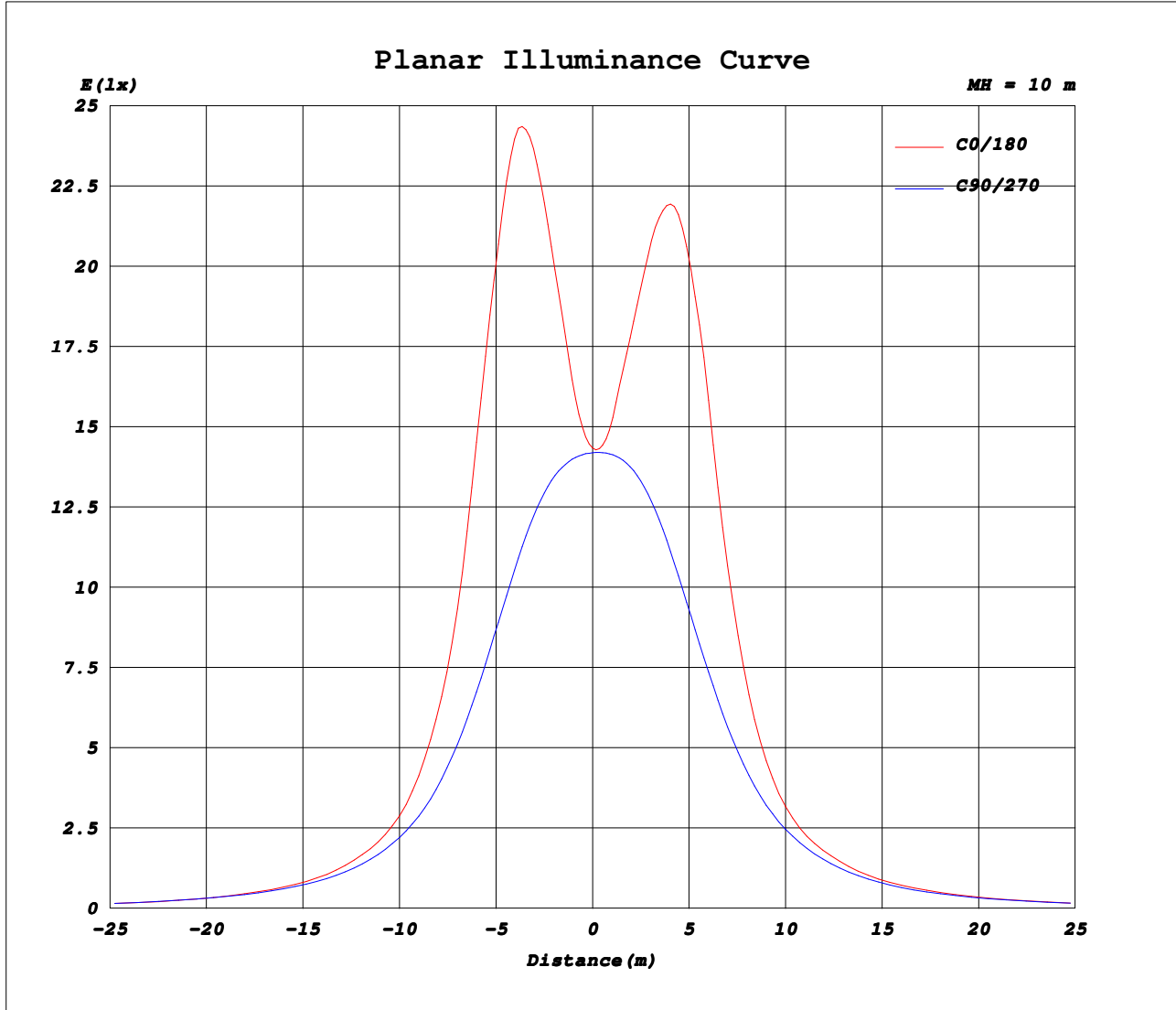
AvgL	cd/m2
L_0~180 (65) av	8383
L_0~180 (75) av	9120
L_0~180 (85) av	19635
L_90~270 (65) av	8261
L_90~270 (75) av	8523
L_90~270 (85) av	8077
L_45 (65) av	8546
L_45 (75) av	8687
L_45 (85) av	15180

Standard: GB/T 29293-2012

C Range: 0 - 360DEG  
C Interval: 10.0DEG  
Test Speed: HIGH  
Temperature:20DEG  
Operators:LITPA  
Test Date:16 April 2019

γ Range: 0 - 90DEG  
γ Interval: 1.0DEG  
Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.400  
Humidity:65.0%  
Test Distance:5.680m [K=1.0000]  
Remarks: TCA-45W-VS  
HELVAR LL1X70

## Planar Illuminance Curve



C Range: 0 - 360DEG  
C Interval: 10.0DEG  
Test Speed: HIGH  
Temperature: 20DEG  
Operators: LITPA  
Test Date: 16 April 2019

$\gamma$  Range: 0 - 90DEG  
 $\gamma$  Interval: 1.0DEG  
Test System: EVERFINE GO-2000B\_V1 SYSTEM V2.0.400  
Humidity: 65.0%  
Test Distance: 5.680m [K=1.0000]  
Remarks: TCA-45W-VS  
          HELVAR LL1X70

## LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:230.28V I:0.1924A P:42.847W PF:0.9673 Freq:50.01Hz Lamp Flux:4966.92x1 lm		
NAME: TCA	TYPE:LED	WEIGHT:3.2kg
SPEC.:45W	DIM.: 68mmX1430mmX78mm	SERIAL No.:
MFR.: LITPA AYDINLATMA	SUR.:	Shielding Angle:

Table--1

UNIT: cd

[illegible]

C Range: 0 - 360DEG  
C Interval: 10.0DEG  
Test Speed: HIGH  
Temperature: 20DEG  
Operators: LITPA  
Test Date: 16 April 2019

**γ Range: 0 - 90DEG**  
**γ Interval: 1.0DEG**  
**Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.400**  
**Humidity:65.0%**  
**Test Distance:5.680m [K=1.0000]**  
**Remarks: TCA-45W-VS**  
**HELVAR LL1X70**

## LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:230.28V I:0.1924A P:42.847W PF:0.9673 Freq:50.01Hz Lamp Flux:4966.92x1 lm		
NAME: TCA	TYPE:LED	WEIGHT:3.2kg
SPEC.:45W	DIM.: 68mmX1430mmX78mm	SERIAL No.:
MFR.: LITPA AYDINLATMA	SUR.:	Shielding Angle:

Table--2

UNIT: cd

[illegible]

**C Range: 0 - 360DEG**  
**C Interval: 10.0DEG**  
**Test Speed: HIGH**  
**Temperature: 20DEG**  
**Operators: LITPA**  
**Test Date: 16 April 2019**

**γ Range: 0 - 90DEG**  
**γ Interval: 1.0DEG**  
**Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.400**  
**Humidity:65.0%**  
**Test Distance:5.680m [K=1.0000]**  
**Remarks: TCA-45W-VS**  
**HELVAR LL1X70**