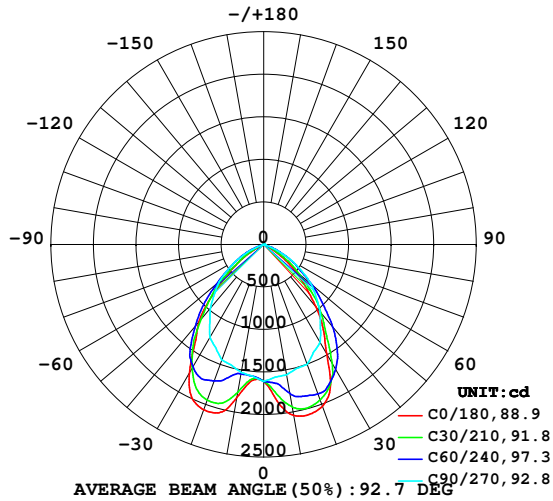


## LUMINAIRE PHOTOMETRIC TEST REPORT

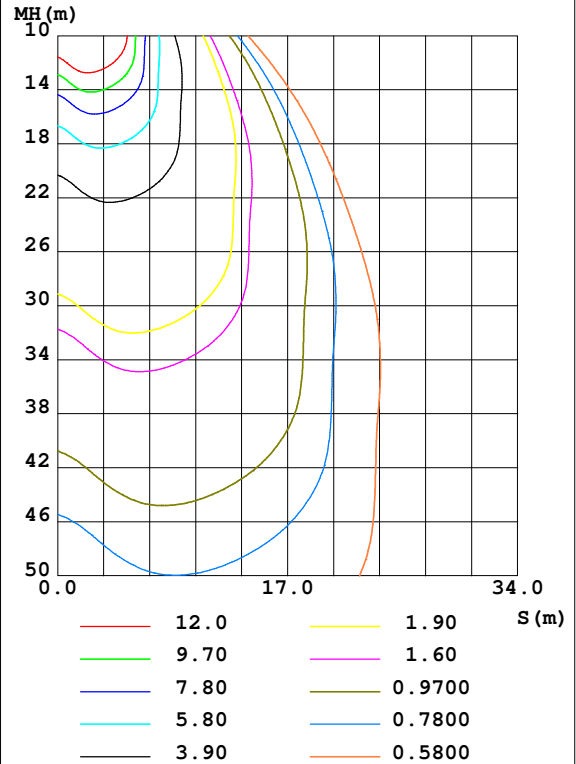
Test:U:230.40V I:0.3407A P:77.290W PF:0.9846 Freq:50.01Hz Lamp Flux:3552.51x1 lm		
NAME: FGS	TYPE: INDOOR	WEIGHT: 4.5kg
SPEC.: 77W	DIM.: 600X600X60	SERIAL No.:
MFR.: LITPA AYDINLATMA	SUR.:	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA			
MODEL	FGS	Imax (cd)	2070	S/MH (C0/180)	1.31
NOMINAL POWER (W)	77	LOR (%)	100.0	S/MH (C90/270)	1.17
RATED VOLTAGE (V)	230.0	TOTAL FLUX (lm)	3552.5	$\eta$ UP, DN (C0-180)	0.0, 50.9
NOMINAL FLUX (lm)	3552.51	CIE CLASS	DIRECT	$\eta$ UP, DN (C180-360)	0.0, 49.1
LAMPS INSIDE	1	$\eta$ up (%)	0.0	CIBSE SHR NOM	1.25
TEST VOLTAGE (V)	230	$\eta$ down (%)	100.0	CIBSE SHR MAX	1.25

LUMINOUS INTENSITY DISTRIBUTION DIAGRAM



C0 PLANE ISOLUX DIAGRAM (UNIT:lx)



H( $\beta$ ) Range: -90 - 90DEG  
H( $\beta$ ) Interval: 1.0DEG  
Test Speed: HIGH  
Temperature: 20DEG  
Operators: LITPA  
Test Date: 18/03/2020

V(B) Range: -90 - 90DEG  
V(B) Interval: 5.0DEG  
Test System: EVERFINE GO-2000B\_V1 SYSTEM V2.0.400  
Humidity: 65.0%  
Test Distance: 7.200m [K=1.0000]  
Remarks: FGS 002-4x18W-DP1

## ZONAL FLUX DIAGRAM

## ZONAL FLUX DIAGRAM:

$\gamma$	C0	C45	C90	C135	C180	C225	C270	C315	$\gamma$	$\Phi$ zone	$\Phi$ total	%lum, lamp
10	2039	1874	1555	1662	1825	1645	1528	1858	0- 10	160.1	160.1	4.51,4.51
20	2023	1922	1499	1916	2067	1886	1445	1899	10- 20	514.3	674.4	19,19
30	1483	1696	1329	1771	1750	1727	1266	1657	20- 30	803.3	1478	41.6,41.6
40	953.8	1111	1031	1285	1182	1217	974.7	1068	30- 40	852.6	2330	65.6,65.6
50	483.1	638.0	732.6	746.7	575.9	701.3	683.2	593.4	40- 50	681.0	3011	84.8,84.8
60	101.1	246.8	373.4	295.9	155.0	267.7	346.1	210.0	50- 60	396.7	3408	95.9,95.9
70	2.622	66.70	14.14	78.36	3.604	68.33	8.960	52.82	60- 70	131.5	3540	99.6,99.6
80	0.6691	4.374	8.521	4.298	0.9214	1.365	4.480	1.198	70- 80	10.32	3550	99.9,99.9
90	0	2.883	2.897	2.750	1.358	0.0000	0	0.0398	80- 90	2.671	3553	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): 2702.5 lm

%lum = 76.1%

%lamp = 76.1%

Conical surface Flux(120deg): 3408 lm

%lum = 95.9%

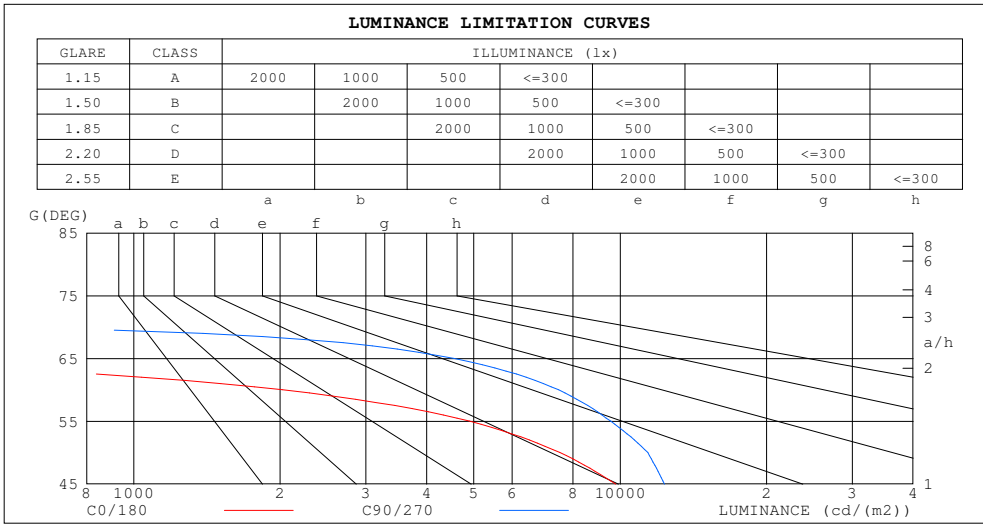
%lamp = 95.9%

H( $\beta$ ) Range:-90 - 90DEG  
H( $\beta$ ) Interval: 1.0DEG  
Test Speed: HIGH  
Temperature:20DEG  
Operators:LITPA  
Test Date:18/03/2020

V(B) Range:-90 - 90DEG  
V(B) Interval: 5.0DEG  
Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.400  
Humidity:65.0%  
Test Distance:7.200m [K=1.0000]  
Remarks: FGS 002-4x18W-DP1

## LUMINANCE LIMITATION CURVES

Test:U:230.40V I:0.3407A P:77.290W PF:0.9846 Freq:50.01Hz Lamp Flux:3552.51x1 lm		
NAME: FGS	TYPE: INDOOR	WEIGHT: 4.5kg
SPEC.: 77W	DIM.: 600X600X60	SERIAL No.:
MFR.: LITPA AYDINLATMA	SUR.:	Shielding Angle:



LUMINANCE cd/(m2)		
G (DEG)	C0/180	C90/270
85	33	654
80	39	491
75	51	437
70	77	414
65	184	4546
60	2022	7468
55	4899	9556
50	7515	11397
45	9794	12330

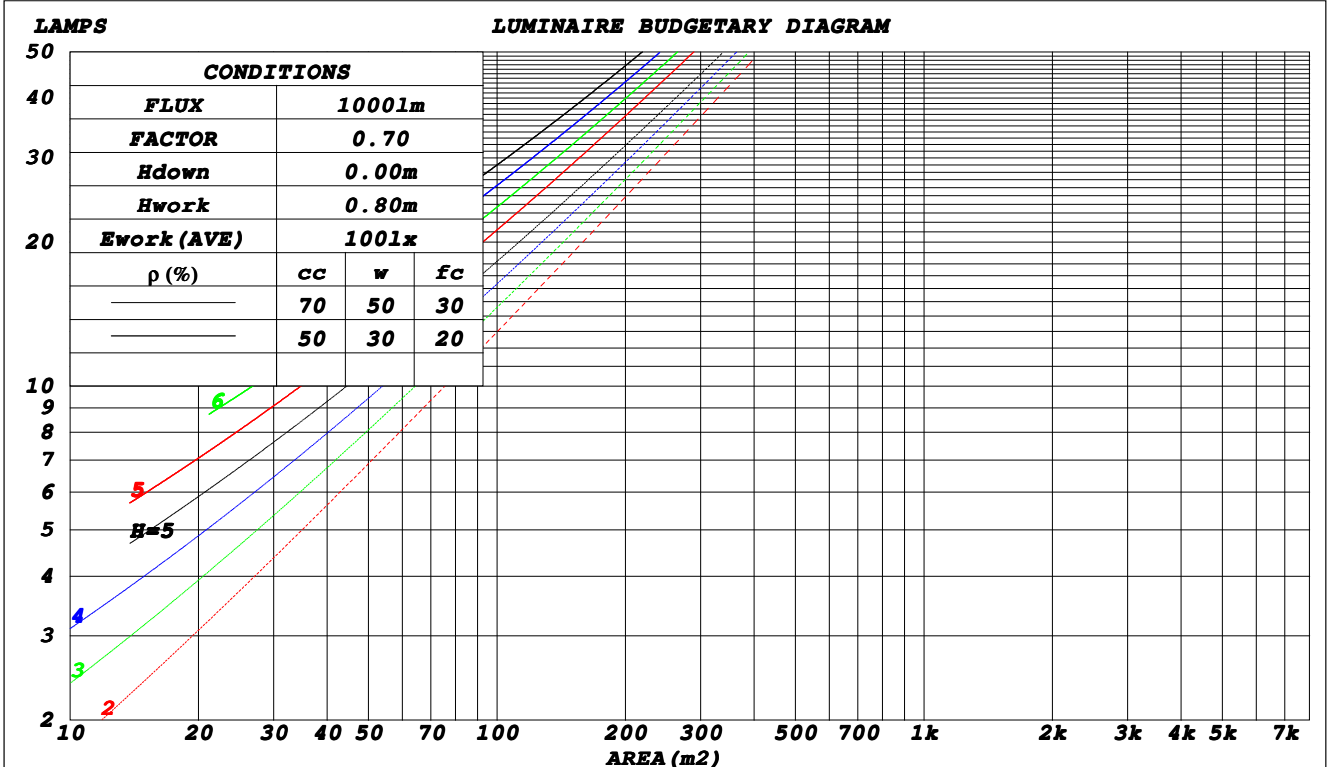
**H( $\beta$ ) Range: -90 - 90DEG**  
**H( $\beta$ ) Interval: 1.0DEG**  
**Test Speed: HIGH**  
**Temperature: 20DEG**  
**Operators: LITPA**  
**Test Date: 18/03/2020**

**V(B) Range: -90 - 90DEG**  
**V(B) Interval: 5.0DEG**  
**Test System: EVERFINE GO-2000B\_V1 SYSTEM V2.0.400**  
**Humidity: 65.0%**  
**Test Distance: 7.200m [K=1.0000]**  
**Remarks: FGS 002-4x18W-DP1**

## CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:230.40V I:0.3407A P:77.290W PF:0.9846 Freq:50.01Hz Lamp Flux:3552.51x1 lm		
NAME: FGS	TYPE: INDOOR	WEIGHT: 4.5kg
SPEC.: 77W	DIM.: 600X600X60	SERIAL No.:
MFR.: LITPA AYDINLATMA	SUR.:	Shielding Angle:

ρcc	80%			70%			50%			30%			10%			0
	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
ρw	20%			20%			20%			20%			20%			0
ρfc	20%			20%			20%			20%			20%			0
<b>RCR</b>	<b>RCR:Room Cavity Ratio</b>															
	<b>Coefficients of Utilization(CU)</b>															
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	1.08	1.05	1.02	1.06	1.03	1.01	1.02	.99	.98	.98	.96	.95	.95	.93	.92	.90
2.0	.98	.93	.88	.96	.91	.87	.93	.89	.85	.90	.86	.83	.87	.84	.82	.80
3.0	.88	.82	.77	.87	.81	.76	.84	.79	.75	.82	.77	.74	.79	.76	.73	.71
4.0	.80	.73	.67	.79	.72	.67	.77	.71	.66	.74	.69	.65	.72	.68	.65	.63
5.0	.73	.65	.60	.72	.65	.59	.70	.64	.59	.68	.63	.58	.66	.62	.58	.56
6.0	.67	.59	.53	.66	.58	.53	.64	.58	.53	.62	.57	.52	.61	.56	.52	.50
7.0	.61	.53	.48	.60	.53	.48	.59	.52	.48	.57	.52	.47	.56	.51	.47	.45
8.0	.56	.49	.43	.55	.48	.43	.54	.48	.43	.53	.47	.43	.52	.47	.43	.41
9.0	.52	.44	.40	.51	.44	.39	.50	.44	.39	.49	.43	.39	.48	.43	.39	.37
10.0	.48	.41	.36	.48	.41	.36	.47	.40	.36	.46	.40	.36	.45	.40	.36	.34



**H(β) Range: -90 - 90DEG**  
**H(β) Interval: 1.0DEG**  
**Test Speed: HIGH**  
**Temperature: 20DEG**  
**Operators: LITPA**  
**Test Date: 18/03/2020**

**V(B) Range: -90 - 90DEG**  
**V(B) Interval: 5.0DEG**  
**Test System: EVERFINE GO-2000B\_V1 SYSTEM V2.0.400**  
**Humidity: 65.0%**  
**Test Distance: 7.200m [K=1.0000]**  
**Remarks: FGS 002-4x18W-DP1**

## WEC AND CCEC

Test:U:230.40V I:0.3407A P:77.290W PF:0.9846 Freq:50.01Hz Lamp Flux:3552.51x1 lm		
NAME: FGS	TYPE:INDOOR	WEIGHT:4.5kg
SPEC.:77W	DIM.: 600X600X60	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
<b>RCR</b>	<b>RCR:Room Cavity Ratio</b>						<b>Wall Exitance Coefficients (WEC)</b>									
0.0																
1.0	.224	.128	.040	.217	.124	.039	.205	.117	.037	.193	.111	.036	.182	.105	.034	
2.0	.220	.121	.037	.215	.118	.036	.204	.113	.035	.193	.108	.034	.184	.104	.033	
3.0	.212	.113	.034	.207	.111	.033	.197	.107	.032	.188	.103	.032	.180	.100	.031	
4.0	.202	.105	.031	.197	.103	.030	.189	.100	.030	.181	.097	.029	.173	.094	.029	
5.0	.191	.098	.028	.187	.096	.028	.180	.094	.028	.173	.091	.027	.166	.089	.027	
6.0	.181	.091	.026	.178	.090	.026	.171	.088	.026	.165	.086	.025	.159	.084	.025	
7.0	.172	.085	.024	.169	.084	.024	.163	.082	.024	.157	.081	.023	.152	.079	.023	
8.0	.163	.080	.022	.160	.079	.022	.155	.077	.022	.150	.076	.022	.145	.074	.022	
9.0	.155	.075	.021	.152	.074	.021	.147	.073	.021	.143	.072	.020	.138	.070	.020	
10.0	.147	.071	.020	.145	.070	.020	.140	.069	.019	.136	.068	.019	.132	.067	.019	

$\rho_{cc}$	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
<b>RCR</b>	<b>RCR:Room Cavity Ratio</b>						<b>Ceiling Cavity Exitance Coefficients (CCEC)</b>									
0.0	.190	.190	.190	.163	.163	.163	.111	.111	.111	.064	.064	.064	.020	.020	.020	
1.0	.174	.157	.141	.149	.135	.121	.102	.093	.084	.059	.054	.049	.019	.017	.016	
2.0	.163	.132	.107	.139	.114	.092	.096	.079	.064	.055	.046	.038	.018	.015	.012	
3.0	.153	.114	.083	.131	.098	.072	.090	.068	.050	.052	.040	.030	.017	.013	.010	
4.0	.145	.100	.065	.125	.086	.057	.086	.060	.040	.050	.035	.024	.016	.011	.008	
5.0	.138	.089	.053	.118	.077	.046	.082	.054	.033	.047	.032	.019	.015	.010	.006	
6.0	.131	.080	.044	.113	.070	.038	.078	.049	.027	.045	.029	.016	.015	.009	.005	
7.0	.125	.073	.037	.108	.064	.032	.074	.045	.023	.043	.026	.014	.014	.009	.004	
8.0	.120	.067	.032	.103	.058	.028	.071	.041	.020	.041	.024	.012	.013	.008	.004	
9.0	.114	.062	.027	.098	.054	.024	.068	.038	.017	.040	.023	.010	.013	.007	.003	
10.0	.109	.058	.024	.094	.051	.021	.065	.036	.015	.038	.021	.009	.012	.007	.003	

**H( $\beta$ ) Range:-90 - 90DEG**  
**H( $\beta$ ) Interval: 1.0DEG**  
**Test Speed: HIGH**  
**Temperature:20DEG**  
**Operators:LITPA**  
**Test Date:18/03/2020**

**V(B) Range:-90 - 90DEG**  
**V(B) Interval: 5.0DEG**  
**Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.400**  
**Humidity:65.0%**  
**Test Distance:7.200m [K=1.0000]**  
**Remarks: FGS 002-4x18W-DP1**

## UGR(Unified Glare Rating) Table

Test:U:230.40V I:0.3407A P:77.290W PF:0.9846 Freq:50.01Hz Lamp Flux:3552.51x1 lm										
NAME: FGS					TYPE: INDOOR			WEIGHT: 4.5kg		
SPEC.: 77W					DIM.: 600X600X60			SERIAL No.:		
MFR.: LITPA AYDINLATMA					SUR.:			Shielding Angle:		
<b>ceiling/cavity</b>	<b>0.7</b>	<b>0.7</b>	<b>0.5</b>	<b>0.5</b>	<b>0.3</b>	<b>0.7</b>	<b>0.7</b>	<b>0.5</b>	<b>0.5</b>	<b>0.3</b>
<b>walls</b>	<b>0.5</b>	<b>0.3</b>	<b>0.5</b>	<b>0.3</b>	<b>0.3</b>	<b>0.5</b>	<b>0.3</b>	<b>0.5</b>	<b>0.3</b>	<b>0.3</b>
<b>working plane</b>	<b>0.2</b>	<b>0.2</b>	<b>0.2</b>	<b>0.2</b>	<b>0.2</b>	<b>0.2</b>	<b>0.2</b>	<b>0.2</b>	<b>0.2</b>	<b>0.2</b>
<b>Room dimensions</b>	<b>Viewed crosswise</b>					<b>Viewed endwise</b>				
<b>x = 2H y = 2H</b>	<b>17.7</b>	<b>18.9</b>	<b>17.9</b>	<b>19.1</b>	<b>19.3</b>	<b>20.5</b>	<b>21.8</b>	<b>20.8</b>	<b>22.0</b>	<b>22.2</b>
<b>3H</b>	<b>17.5</b>	<b>18.6</b>	<b>17.8</b>	<b>18.9</b>	<b>19.1</b>	<b>20.6</b>	<b>21.7</b>	<b>20.9</b>	<b>22.0</b>	<b>22.2</b>
<b>4H</b>	<b>17.4</b>	<b>18.5</b>	<b>17.7</b>	<b>18.7</b>	<b>19.0</b>	<b>20.5</b>	<b>21.6</b>	<b>20.8</b>	<b>21.8</b>	<b>22.1</b>
<b>6H</b>	<b>17.3</b>	<b>18.3</b>	<b>17.6</b>	<b>18.6</b>	<b>18.8</b>	<b>20.4</b>	<b>21.4</b>	<b>20.7</b>	<b>21.7</b>	<b>21.9</b>
<b>8H</b>	<b>17.2</b>	<b>18.2</b>	<b>17.6</b>	<b>18.5</b>	<b>18.8</b>	<b>20.4</b>	<b>21.3</b>	<b>20.7</b>	<b>21.6</b>	<b>21.9</b>
<b>12H</b>	<b>17.2</b>	<b>18.1</b>	<b>17.5</b>	<b>18.4</b>	<b>18.7</b>	<b>20.3</b>	<b>21.2</b>	<b>20.6</b>	<b>21.5</b>	<b>21.8</b>
<b>4H 2H</b>	<b>17.9</b>	<b>19.0</b>	<b>18.2</b>	<b>19.2</b>	<b>19.5</b>	<b>20.5</b>	<b>21.6</b>	<b>20.8</b>	<b>21.8</b>	<b>22.0</b>
<b>3H</b>	<b>17.7</b>	<b>18.6</b>	<b>18.1</b>	<b>18.9</b>	<b>19.2</b>	<b>20.6</b>	<b>21.5</b>	<b>20.9</b>	<b>21.8</b>	<b>22.1</b>
<b>4H</b>	<b>17.6</b>	<b>18.5</b>	<b>18.0</b>	<b>18.8</b>	<b>19.1</b>	<b>20.5</b>	<b>21.3</b>	<b>20.8</b>	<b>21.6</b>	<b>21.9</b>
<b>6H</b>	<b>17.5</b>	<b>18.3</b>	<b>17.9</b>	<b>18.6</b>	<b>19.0</b>	<b>20.4</b>	<b>21.1</b>	<b>20.8</b>	<b>21.5</b>	<b>21.8</b>
<b>8H</b>	<b>17.5</b>	<b>18.2</b>	<b>17.9</b>	<b>18.5</b>	<b>18.9</b>	<b>20.3</b>	<b>21.0</b>	<b>20.7</b>	<b>21.4</b>	<b>21.8</b>
<b>12H</b>	<b>17.4</b>	<b>18.1</b>	<b>17.9</b>	<b>18.4</b>	<b>18.8</b>	<b>20.3</b>	<b>20.9</b>	<b>20.7</b>	<b>21.3</b>	<b>21.7</b>
<b>8H 4H</b>	<b>17.5</b>	<b>18.2</b>	<b>17.9</b>	<b>18.6</b>	<b>18.9</b>	<b>20.3</b>	<b>21.0</b>	<b>20.7</b>	<b>21.4</b>	<b>21.8</b>
<b>6H</b>	<b>17.4</b>	<b>18.0</b>	<b>17.9</b>	<b>18.4</b>	<b>18.8</b>	<b>20.3</b>	<b>20.8</b>	<b>20.7</b>	<b>21.2</b>	<b>21.6</b>
<b>8H</b>	<b>17.4</b>	<b>17.9</b>	<b>17.8</b>	<b>18.3</b>	<b>18.7</b>	<b>20.2</b>	<b>20.7</b>	<b>20.7</b>	<b>21.1</b>	<b>21.6</b>
<b>12H</b>	<b>17.3</b>	<b>17.8</b>	<b>17.8</b>	<b>18.2</b>	<b>18.7</b>	<b>20.2</b>	<b>20.6</b>	<b>20.7</b>	<b>21.0</b>	<b>21.5</b>
<b>12H 4H</b>	<b>17.5</b>	<b>18.1</b>	<b>17.9</b>	<b>18.5</b>	<b>18.9</b>	<b>20.3</b>	<b>20.9</b>	<b>20.7</b>	<b>21.3</b>	<b>21.7</b>
<b>6H</b>	<b>17.4</b>	<b>17.9</b>	<b>17.8</b>	<b>18.3</b>	<b>18.7</b>	<b>20.2</b>	<b>20.7</b>	<b>20.7</b>	<b>21.1</b>	<b>21.6</b>
<b>8H</b>	<b>17.3</b>	<b>17.8</b>	<b>17.8</b>	<b>18.2</b>	<b>18.7</b>	<b>20.2</b>	<b>20.6</b>	<b>20.6</b>	<b>21.0</b>	<b>21.5</b>
<b>Variations with the observer position at spacings:</b>										
<b>S = 1.0H</b>	<b>+ 1.8 / - 3.3</b>					<b>+ 1.1 / - 1.4</b>				
<b>1.5H</b>	<b>+ 0.8 / - 1.2</b>					<b>+ 0.7 / - 0.9</b>				
<b>2.0H</b>	<b>+ 2.8 / - 6.1</b>					<b>+ 2.0 / - 2.1</b>				

CIE Pub.117, 3553 lm Total Lamp Luminous Flux Corrected ( $8\log(F/F_0) = 4.4$ )

H( $\beta$ ) Range: -90 - 90DEG  
H( $\beta$ ) Interval: 1.0DEG  
Test Speed: HIGH  
Temperature: 20DEG  
Operators: LITPA  
Test Date: 18/03/2020

V(B) Range: -90 - 90DEG  
V(B) Interval: 5.0DEG  
Test System: EVERFINE GO-2000B\_V1 SYSTEM V2.0.400  
Humidity: 65.0%  
Test Distance: 7.200m [K=1.0000]  
Remarks: FGS 002-4x18W-DP1

## UTILIZATION FACTORS TABLE

Test:U:230.40V I:0.3407A P:77.290W PF:0.9846 Freq:50.01Hz Lamp Flux:3552.51x1 lm		
NAME: FGS	TYPE: INDOOR	WEIGHT: 4.5kg
SPEC.: 77W	DIM.: 600X600X60	SERIAL No.:
MFR.: LITPA AYDINLATMA	SUR.:	Shielding Angle:

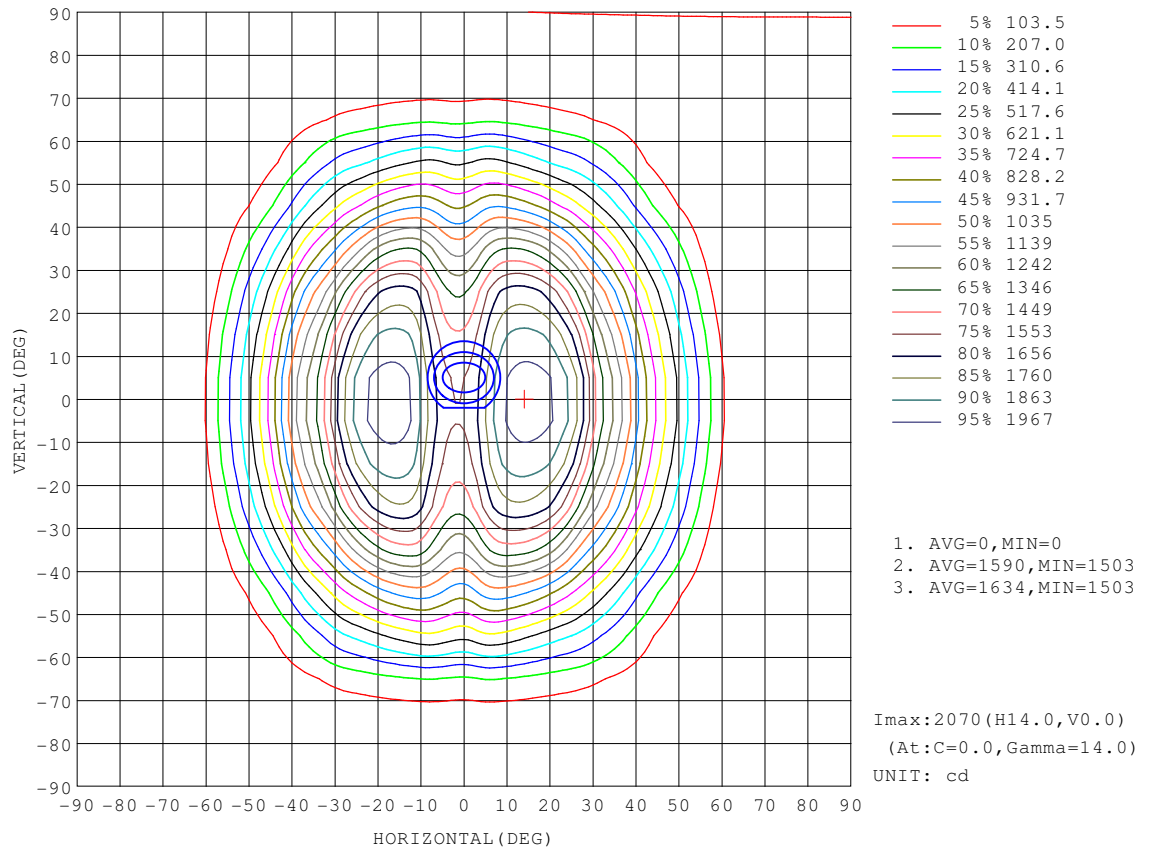
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS (PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	69	60	54	69	60	54	68	59	54	49
0.80	79	70	65	79	70	64	77	69	64	59
1.00	87	79	73	86	78	73	84	79	73	67
1.25	94	86	81	92	85	80	90	84	80	74
1.50	98	91	86	96	90	85	94	88	84	78
2.00	103	97	92	101	96	92	98	94	90	84
2.50	105	100	96	104	99	95	100	96	93	86
3.00	108	103	99	106	102	98	102	99	96	89
4.00	111	107	103	108	105	102	105	102	99	91
5.00	112	109	106	110	107	104	106	103	101	93
ROOM INDEX	UF (total)									Direct
According to DIN EN 13032-2 2004			Suspended				SHRNOM = 1.25			

**H( $\beta$ ) Range: -90 - 90DEG**  
**H( $\beta$ ) Interval: 1.0DEG**  
**Test Speed: HIGH**  
**Temperature: 20DEG**  
**Operators: LITPA**  
**Test Date: 18/03/2020**

**V(B) Range: -90 - 90DEG**  
**V(B) Interval: 5.0DEG**  
**Test System: EVERFINE GO-2000B\_V1 SYSTEM V2.0.400**  
**Humidity: 65.0%**  
**Test Distance: 7.200m [K=1.0000]**  
**Remarks: FGS 002-4x18W-DP1**

## ISOCANDELA DIAGRAM

Test:U:230.40V I:0.3407A P:77.290W PF:0.9846 Freq:50.01Hz Lamp Flux:3552.51x1 lm		
NAME: FGS	TYPE: INDOOR	WEIGHT: 4.5kg
SPEC.: 77W	DIM.: 600X600X60	SERIAL No.:
MFR.: LITPA AYDINLATMA	SUR.:	Shielding Angle:



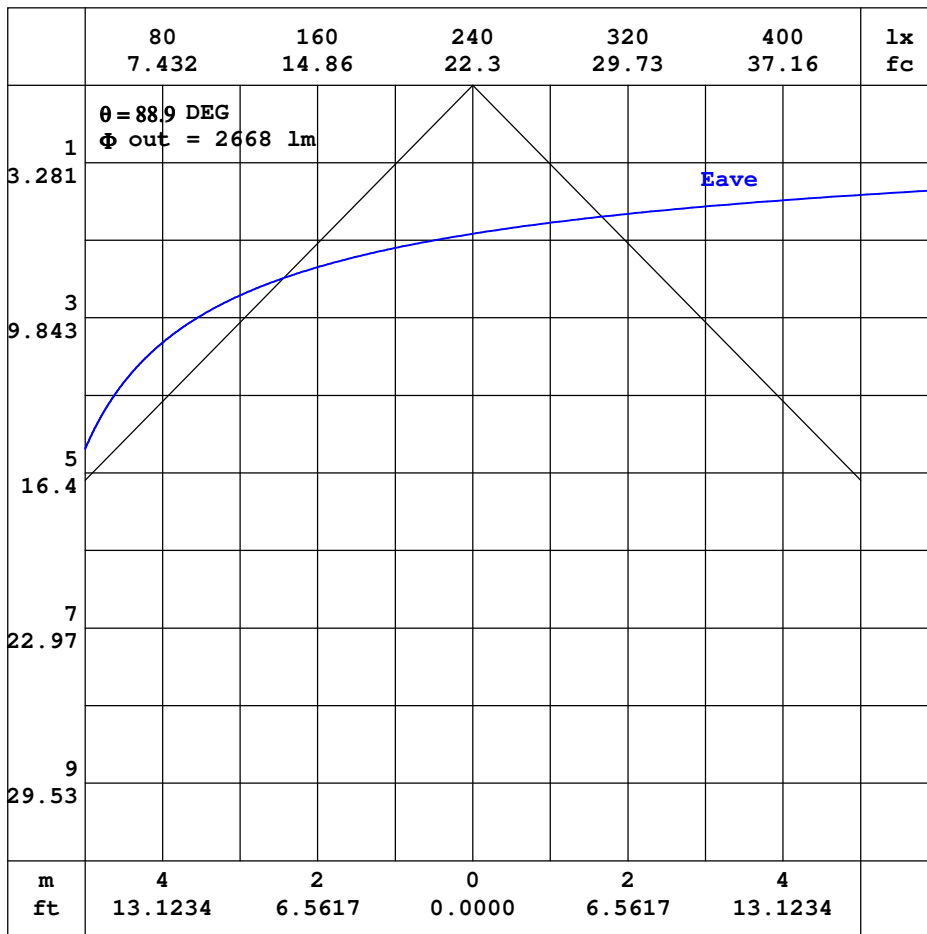
**H( $\beta$ ) Range: -90 - 90DEG**  
**H( $\beta$ ) Interval: 1.0DEG**  
**Test Speed: HIGH**  
**Temperature: 20DEG**  
**Operators: LITPA**  
**Test Date: 18/03/2020**

**V(B) Range: -90 - 90DEG**  
**V(B) Interval: 5.0DEG**  
**Test System: EVERFINE GO-2000B\_V1 SYSTEM V2.0.400**  
**Humidity: 65.0%**  
**Test Distance: 7.200m [K=1.0000]**  
**Remarks: FGS 002-4x18W-DP1**



## AAI CURVES

Test:U:230.40V I:0.3407A P:77.290W PF:0.9846 Freq:50.01Hz Lamp Flux:3552.51x1 lm		
NAME: FGS	TYPE: INDOOR	WEIGHT: 4.5kg
SPEC.: 77W	DIM.: 600X600X60	SERIAL No.:
MFR.: LITPA AYDINLATMA	SUR.:	Shielding Angle:



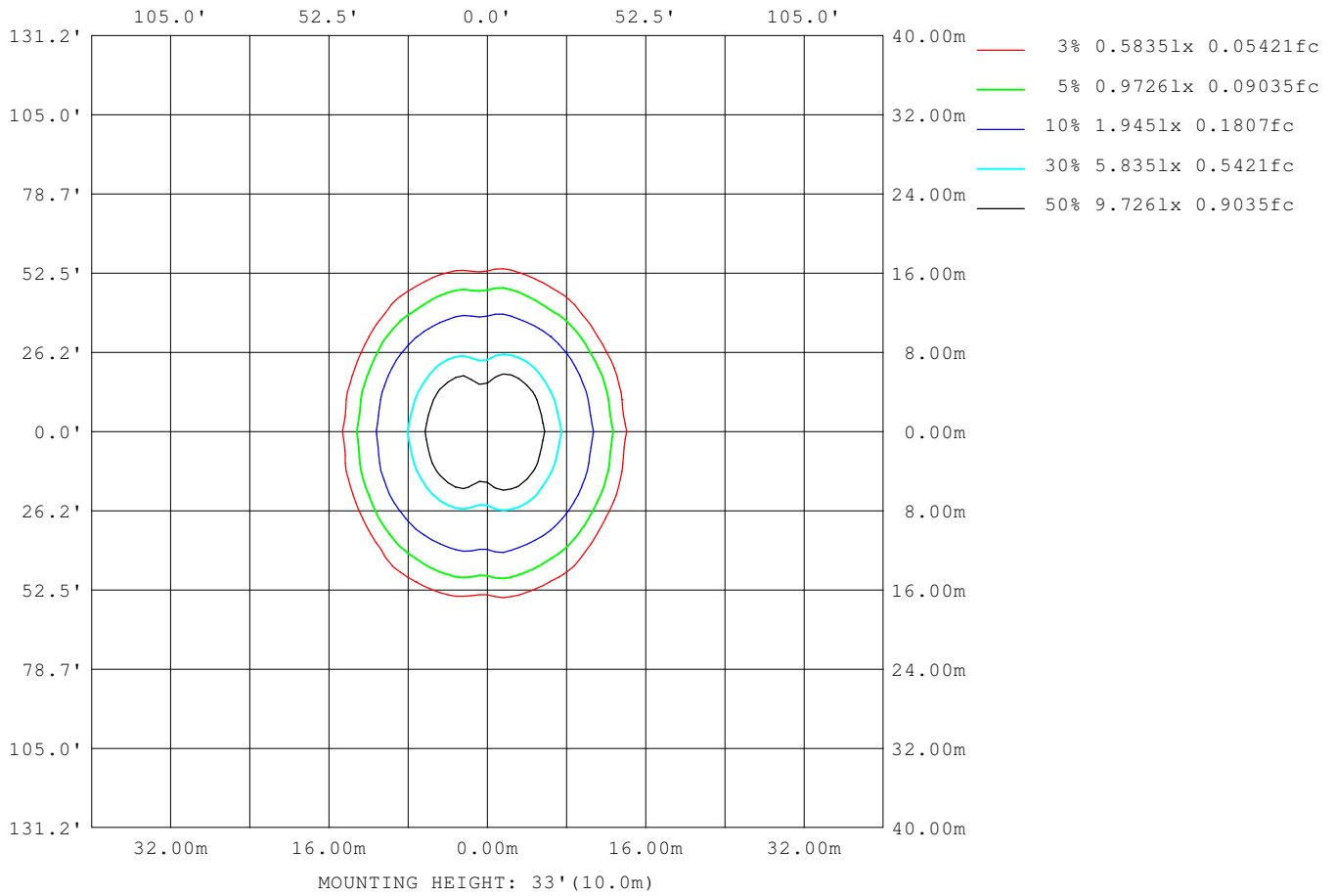
Note: The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

**H( $\beta$ ) Range: -90 - 90DEG**  
**H( $\beta$ ) Interval: 1.0DEG**  
**Test Speed: HIGH**  
**Temperature: 20DEG**  
**Operators: LITPA**  
**Test Date: 18/03/2020**

**V(B) Range: -90 - 90DEG**  
**V(B) Interval: 5.0DEG**  
**Test System: EVERFINE GO-2000B\_V1 SYSTEM V2.0.400**  
**Humidity: 65.0%**  
**Test Distance: 7.200m [K=1.0000]**  
**Remarks: FGS 002-4x18W-DP1**

## ISOLUX DIAGRAM

Test:U:230.40V I:0.3407A P:77.290W PF:0.9846 Freq:50.01Hz Lamp Flux:3552.51x1 lm		
NAME: FGS	TYPE: INDOOR	WEIGHT: 4.5kg
SPEC.: 77W	DIM.: 600X600X60	SERIAL No.:
MFR.: LITPA AYDINLATMA	SUR.:	Shielding Angle:



**H( $\beta$ ) Range: -90 - 90DEG**  
**H( $\beta$ ) Interval: 1.0DEG**  
**Test Speed: HIGH**  
**Temperature: 20DEG**  
**Operators: LITPA**  
**Test Date: 18/03/2020**

**V(B) Range: -90 - 90DEG**  
**V(B) Interval: 5.0DEG**  
**Test System: EVERFINE GO-2000B\_V1 SYSTEM V2.0.400**  
**Humidity: 65.0%**  
**Test Distance: 7.200m [K=1.0000]**  
**Remarks: FGS 002-4x18W-DP1**

## LED Avg.L Report

Test:U:230.40V I:0.3407A P:77.290W PF:0.9846 Freq:50.01Hz Lamp Flux:3552.51x1 lm		
NAME: FGS	TYPE:INDOOR	WEIGHT:4.5kg
SPEC.:77W	DIM.: 600X600X60	SERIAL No.:
MFR.: LITPA AYDINLATMA	SUR.:	Shielding Angle:

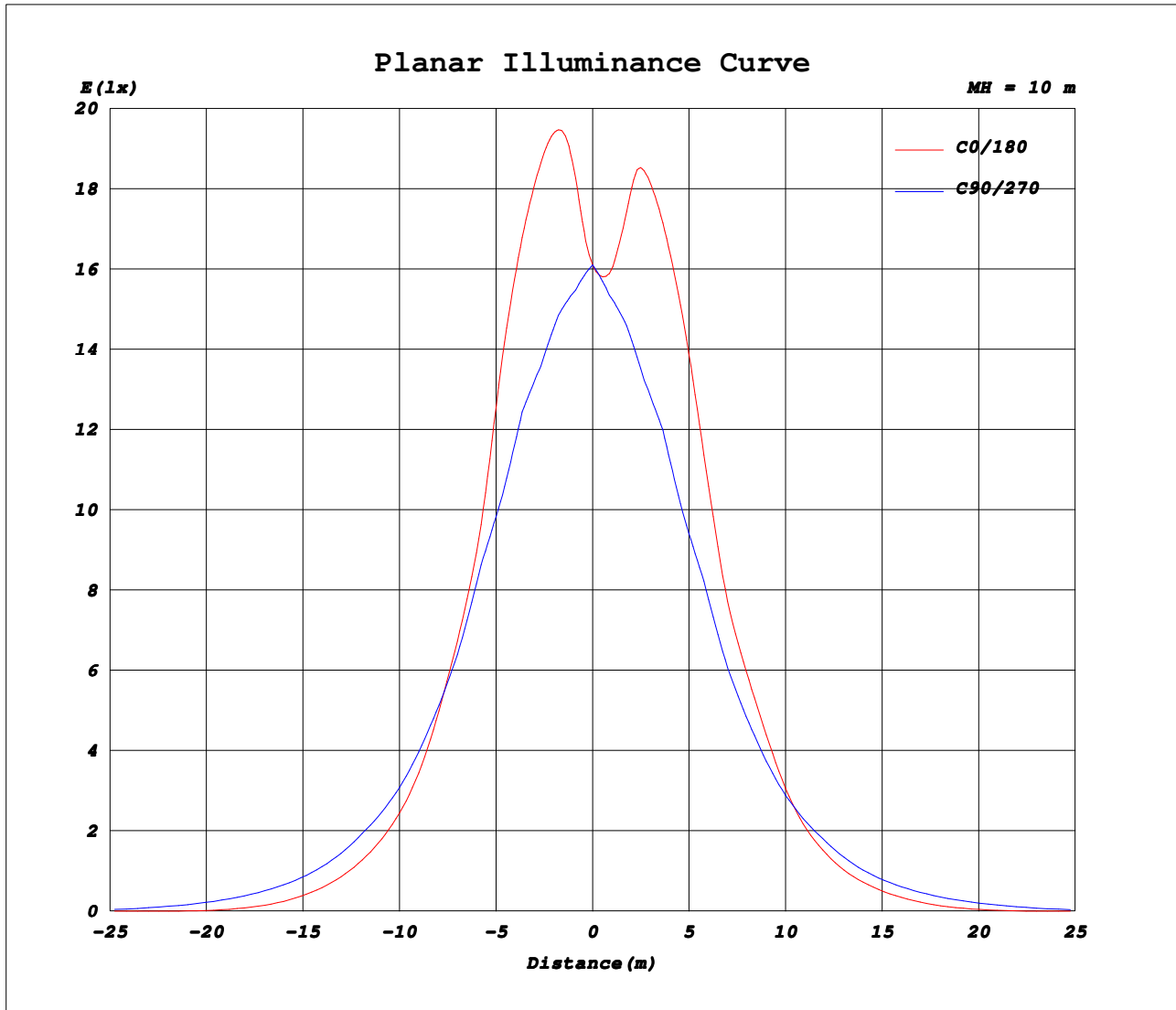
AvgL	cd/m2
L_0~180 (65) av	345
L_0~180 (75) av	60
L_0~180 (85) av	38
L_90~270 (65) av	4343
L_90~270 (75) av	347
L_90~270 (85) av	454
L_45 (65) av	3454
L_45 (75) av	347
L_45 (85) av	239

Standard: GB/T 29293-2012

**H( $\beta$ ) Range:-90 - 90DEG**  
**H( $\beta$ ) Interval: 1.0DEG**  
**Test Speed: HIGH**  
**Temperature:20DEG**  
**Operators:LITPA**  
**Test Date:18/03/2020**

**V(B) Range:-90 - 90DEG**  
**V(B) Interval: 5.0DEG**  
**Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.400**  
**Humidity:65.0%**  
**Test Distance:7.200m [K=1.0000]**  
**Remarks: FGS 002-4x18W-DP1**

## Planar Illuminance Curve



H( $\beta$ ) Range: -90 - 90DEG  
H( $\beta$ ) Interval: 1.0DEG  
Test Speed: HIGH  
Temperature: 20DEG  
Operators: LITPA  
Test Date: 18/03/2020

V(B) Range: -90 - 90DEG  
V(B) Interval: 5.0DEG  
Test System: EVERFINE GO-2000B\_V1 SYSTEM V2.0.400  
Humidity: 65.0%  
Test Distance: 7.200m [K=1.0000]  
Remarks: FGS 002-4x18W-DP1







