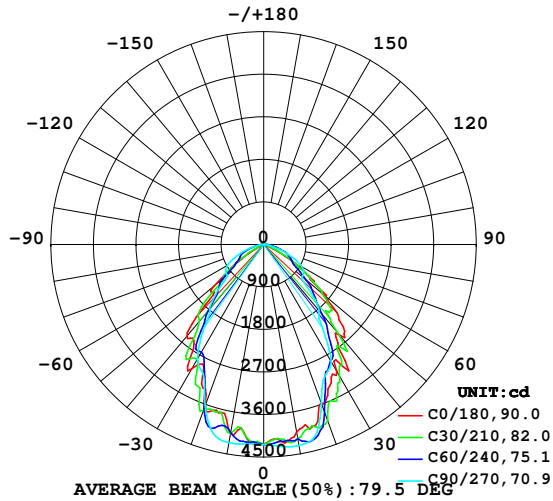


LUMINAIRE PHOTOMETRIC TEST REPORT

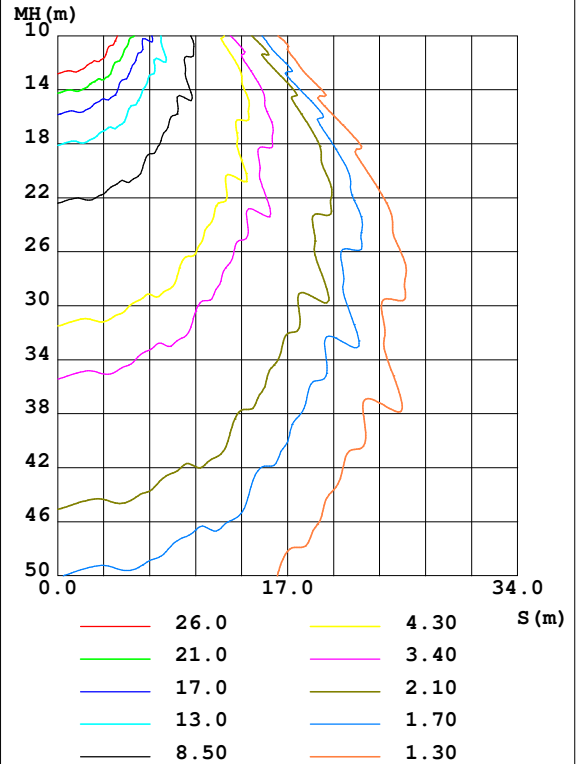
Test:U:230.46V I:0.3265A P:73.321W PF:0.9745 Freq:50.01Hz Lamp Flux:7413.99x1 lm		
NAME: ELP-T	TYPE:LED	WEIGHT:2kg
SPEC.:75W	DIM.: 1230X80X70mm	SERIAL No.:
MFR.: LITPA AYDINLATMA	SUR.:	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 101.12 lm/W			
MODEL	ELP-T	I _{max} (cd)	4319	S/MH (C0/180)	0.98
NOMINAL POWER(W)	75	LOR (%)	100.0	S/MH (C90/270)	1.01
RATED VOLTAGE(V)	220.0	TOTAL FLUX (lm)	7414.0	η UP, DN (C0-180)	0.3, 49.7
NOMINAL FLUX (lm)	7413.99	CIE CLASS	DIRECT	η UP, DN (C180-360)	0.4, 49.6
LAMPS INSIDE	1	η up (%)	0.7	CIBSE SHR NOM	1.00
TEST VOLTAGE (V)	220	η down (%)	99.3	CIBSE SHR MAX	1.15

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: 26.11.2020

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System: EVERFINE GO-2000B_V1 SYSTEM V2.0.400
Humidity: 65.0%
Test Distance: 7.200m [K=1.0000]
Remarks: ELP-T-75W

ZONAL FLUX DIAGRAM

ZONAL FLUX DIAGRAM:

γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum, lamp
10	4028	4262	4316	4030	4062	3954	4258	4215	0- 10	396.6	396.6	5.35,5.35
20	3568	3932	3575	3649	3605	3611	3628	3899	10- 20	1115	1512	20.4,20.4
30	3091	2850	2859	2663	3031	2711	2808	2904	20- 30	1491	3002	40.5,40.5
40	2504	2127	1826	1975	2519	1984	1784	2099	30- 40	1567	4569	61.6,61.6
50	1648	1397	1065	1158	1386	1216	1014	1443	40- 50	1320	5890	79.4,79.4
60	635.6	632.0	923.6	419.7	234.9	439.5	886.9	646.9	50- 60	827.3	6717	90.6,90.6
70	44.21	288.0	467.8	198.3	39.97	214.4	474.7	306.1	60- 70	405.8	7123	96.1,96.1
80	23.09	108.8	109.4	67.34	23.39	80.34	117.7	121.4	70- 80	184.3	7307	98.6,98.6
90	12.31	33.02	0.7597	22.69	17.27	25.66	0.7455	37.45	80- 90	54.15	7361	99.3,99.3
100	10.25	9.342	1.441	8.839	10.99	9.448	1.547	9.465	90-100	14.20	7375	99.5,99.5
110	6.765	5.190	3.179	6.868	8.157	7.188	3.586	5.229	100-110	7.185	7383	99.6,99.6
120	6.553	4.753	4.418	6.176	8.509	6.465	4.769	4.762	110-120	6.001	7389	99.7,99.7
130	7.164	5.292	5.378	7.290	8.330	7.644	5.663	5.315	120-130	5.557	7394	99.7,99.7
140	7.984	6.686	6.822	7.864	9.285	8.183	7.047	6.738	130-140	5.412	7400	99.8,99.8
150	9.338	8.476	8.749	9.467	10.41	9.692	8.949	8.553	140-150	5.253	7405	99.9,99.9
160	11.02	10.50	10.72	11.12	11.60	11.23	10.83	10.60	150-160	4.638	7409	99.9,99.9
170	12.44	12.20	12.35	12.56	12.68	12.59	12.36	12.25	160-170	3.291	7413	100,100
180	12.66	13.05	13.05	13.09	12.70	13.06	13.02	13.07	170-180	1.210	7414	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

Conical surface Flux(90deg): 5289.4 lm

%lum = 71.3%

%lamp = 71.3%

Conical surface Flux(120deg): 6716.9 lm

%lum = 90.6%

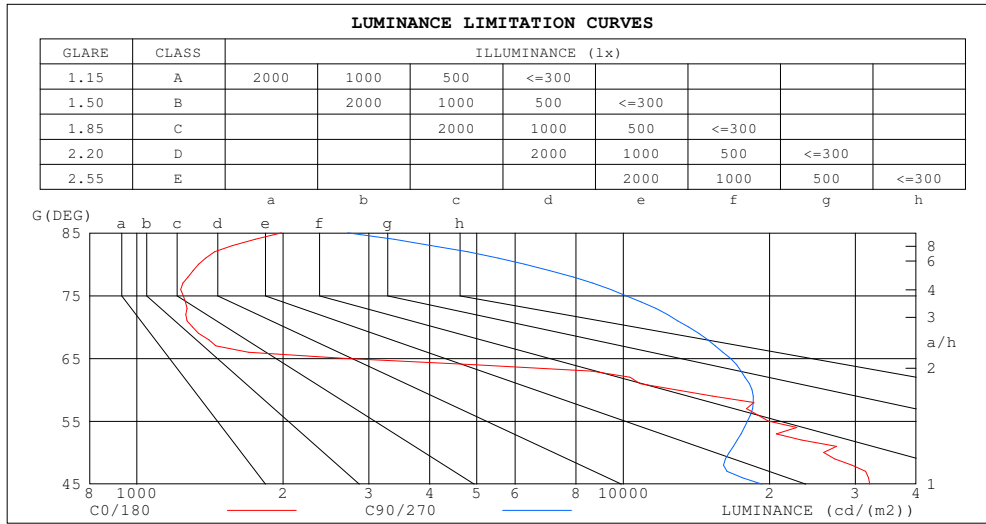
%lamp = 90.6%

C Range: 0 - 360DEG
 C Interval: 10.0DEG
 Test Speed: HIGH
 Temperature:20DEG
 Operators:LITPA
 Test Date:26.11.2020

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.400
 Humidity:65.0%
 Test Distance:7.200m [K=1.0000]
 Remarks: ELP-T-75W

LUMINANCE LIMITATION CURVES

Test:U:230.46V I:0.3265A P:73.321W PF:0.9745 Freq:50.01Hz Lamp Flux:7413.99x1 lm		
NAME: ELP-T	TYPE:LED	WEIGHT:2kg
SPEC.:75W	DIM.: 1230X80X70mm	SERIAL No.:
MFR.: LITPA AYDINLATMA	SUR.:	Shielding Angle:



LUMINANCE cd/(m2)		
G (DEG)	C0/180	C90/270
85	1984	2714
80	1339	6278
75	1246	10117
70	1302	13625
65	2666	16613
60	12806	18402
55	19865	18023
50	25837	16512
45	32120	19275

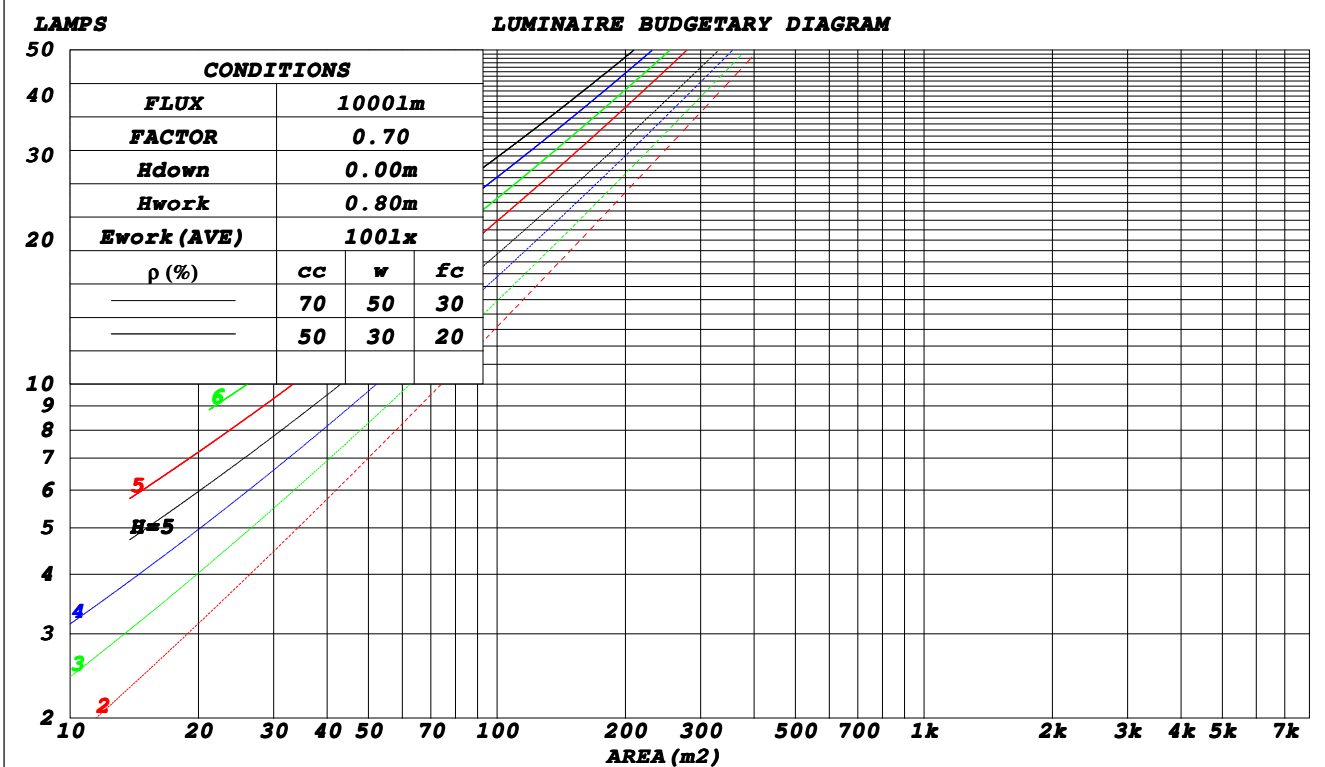
C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature: 20DEG
Operators: LITPA
Test Date: 26.11.2020

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System: EVERFINE GO-2000B_V1 SYSTEM V2.0.400
Humidity: 65.0%
Test Distance: 7.200m [K=1.0000]
Remarks: ELP-T-75W

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:230.46V I:0.3265A P:73.321W PF:0.9745 Freq:50.01Hz Lamp Flux:7413.99x1 lm		
NAME: ELP-T	TYPE:LED	WEIGHT:2kg
SPEC.:75W	DIM.: 1230X80X70mm	SERIAL No.:
MFR.: LITPA AYDINLATMA	SUR.:	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						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	1.01	1.01	1.01	.99
1.0	1.07	1.04	1.01	1.05	1.02	.99	1.00	.98	.96	.97	.95	.93	.93	.91	.90	.88
2.0	.96	.91	.86	.94	.89	.85	.91	.86	.83	.87	.84	.81	.84	.82	.79	.77
3.0	.87	.80	.74	.85	.79	.74	.82	.77	.72	.79	.75	.71	.77	.73	.70	.68
4.0	.78	.71	.65	.77	.70	.65	.75	.69	.64	.72	.67	.63	.70	.66	.62	.60
5.0	.71	.63	.58	.70	.63	.57	.68	.62	.57	.66	.60	.56	.64	.59	.55	.54
6.0	.65	.57	.52	.64	.57	.51	.62	.56	.51	.61	.55	.50	.59	.54	.50	.48
7.0	.60	.52	.46	.59	.52	.46	.57	.51	.46	.56	.50	.46	.55	.49	.45	.43
8.0	.55	.47	.42	.54	.47	.42	.53	.46	.42	.52	.46	.42	.51	.45	.41	.40
9.0	.51	.44	.39	.50	.43	.38	.49	.43	.38	.48	.42	.38	.47	.42	.38	.36
10.0	.47	.40	.35	.47	.40	.35	.46	.40	.35	.45	.39	.35	.44	.39	.35	.33



C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature: 20DEG
Operators: LITPA
Test Date: 26.11.2020

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System: EVERFINE GO-2000B_V1 SYSTEM V2.0.400
Humidity: 65.0%
Test Distance: 7.200m [K=1.0000]
Remarks: ELP-T-75W

WEC AND CCEC

Test:U:230.46V I:0.3265A P:73.321W PF:0.9745 Freq:50.01Hz Lamp Flux:7413.99x1 lm		
NAME: ELP-T	TYPE:LED	WEIGHT:2kg
SPEC.:75W	DIM.: 1230X80X70mm	SERIAL No.:
MFR.: LITPA AYDINLATMA	SUR.:	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	.245	.140	.044	.238	.136	.043	.225	.129	.041	.213	.123	.039	.201	.117	.038		
2.0	.236	.129	.040	.230	.127	.039	.218	.121	.038	.208	.116	.036	.198	.112	.035		
3.0	.223	.119	.036	.218	.117	.035	.208	.112	.034	.198	.109	.033	.189	.105	.032		
4.0	.210	.109	.032	.205	.107	.032	.196	.104	.031	.188	.101	.030	.180	.098	.030		
5.0	.197	.101	.029	.193	.099	.029	.185	.096	.028	.178	.094	.028	.171	.091	.027		
6.0	.186	.093	.027	.182	.092	.026	.175	.090	.026	.168	.087	.026	.162	.085	.025		
7.0	.175	.086	.025	.172	.085	.024	.165	.084	.024	.159	.082	.024	.154	.080	.023		
8.0	.165	.081	.023	.162	.080	.023	.156	.078	.022	.151	.077	.022	.146	.075	.022		
9.0	.156	.076	.021	.153	.075	.021	.148	.073	.021	.144	.072	.021	.139	.071	.020		
10.0	.148	.071	.020	.146	.070	.020	.141	.069	.019	.137	.068	.019	.132	.067	.019		

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	.196	.196	.196	.167	.167	.167	.114	.114	.114	.066	.066	.066	.021	.021	.021	
1.0	.181	.162	.145	.155	.139	.125	.106	.096	.086	.061	.055	.050	.020	.018	.016	
2.0	.170	.138	.110	.146	.119	.095	.100	.082	.066	.058	.048	.039	.018	.015	.013	
3.0	.161	.120	.086	.138	.103	.075	.095	.072	.053	.055	.042	.031	.018	.014	.010	
4.0	.153	.106	.070	.131	.091	.061	.090	.064	.043	.052	.037	.025	.017	.012	.008	
5.0	.145	.095	.058	.125	.082	.050	.086	.057	.035	.050	.034	.021	.016	.011	.007	
6.0	.138	.086	.049	.119	.075	.042	.082	.052	.030	.048	.031	.018	.015	.010	.006	
7.0	.132	.079	.042	.114	.069	.037	.078	.048	.026	.046	.028	.015	.015	.009	.005	
8.0	.126	.073	.037	.109	.064	.032	.075	.045	.023	.044	.026	.014	.014	.009	.005	
9.0	.121	.068	.033	.104	.059	.029	.072	.042	.020	.042	.025	.012	.014	.008	.004	
10.0	.115	.064	.030	.100	.056	.026	.069	.039	.018	.040	.023	.011	.013	.008	.004	

C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature: 20DEG
Operators: LITPA
Test Date: 26.11.2020

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System: EVERFINE GO-2000B_V1 SYSTEM V2.0.400
Humidity: 65.0%
Test Distance: 7.200m [K=1.0000]
Remarks: ELP-T-75W

UGR(Unified Glare Rating) Table

Test:U:230.46V I:0.3265A P:73.321W PF:0.9745 Freq:50.01Hz Lamp Flux:7413.99x1 lm										
NAME: ELP-T					TYPE:LED			WEIGHT:2kg		
SPEC.:75W					DIM.: 1230X80X70mm			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	23.1	24.4	23.3	24.6	24.8	22.2	23.5	22.4	23.7	23.9
3H	22.9	24.1	23.2	24.3	24.5	23.5	24.7	23.8	24.9	25.2
4H	22.8	23.9	23.1	24.2	24.4	23.9	25.0	24.2	25.2	25.5
6H	22.7	23.8	23.0	24.0	24.3	24.0	25.0	24.3	25.3	25.6
8H	22.7	23.7	23.0	24.0	24.3	24.0	25.0	24.3	25.3	25.6
12H	22.6	23.6	23.0	23.9	24.2	24.0	24.9	24.3	25.2	25.5
4H 2H	23.1	24.2	23.4	24.5	24.7	22.4	23.5	22.7	23.7	24.0
3H	23.0	23.9	23.3	24.2	24.5	24.0	24.9	24.3	25.2	25.5
4H	22.9	23.8	23.3	24.1	24.4	24.5	25.4	24.9	25.7	26.0
6H	22.8	23.6	23.2	24.0	24.3	24.8	25.6	25.2	25.9	26.3
8H	22.8	23.5	23.2	23.9	24.3	24.8	25.5	25.2	25.9	26.3
12H	22.8	23.4	23.2	23.8	24.2	24.8	25.5	25.2	25.9	26.3
8H 4H	23.0	23.7	23.4	24.1	24.5	24.5	25.2	24.9	25.6	26.0
6H	23.0	23.6	23.4	24.0	24.4	25.0	25.5	25.4	26.0	26.4
8H	22.9	23.5	23.4	23.9	24.4	25.1	25.6	25.6	26.0	26.5
12H	22.9	23.4	23.4	23.8	24.3	25.2	25.6	25.6	26.1	26.5
12H 4H	23.0	23.7	23.5	24.1	24.5	24.5	25.1	24.9	25.5	25.9
6H	23.0	23.5	23.5	24.0	24.4	24.9	25.5	25.4	25.9	26.4
8H	23.0	23.5	23.5	23.9	24.4	25.1	25.6	25.6	26.0	26.5
Variations with the observer position at spacings:										
S = 1.0H	+ 0.9 / - 1.0					+ 0.4 / - 0.5				
1.5H	+ 1.1 / - 1.5					+ 0.4 / - 0.5				
2.0H	+ 2.6 / - 3.8					+ 0.3 / - 0.5				

CIE Pub.117, 7414 lm Total Lamp Luminous Flux Corrected ($8\log(F/F_0) = 7.0$)

C Range: 0 - 360DEG
 C Interval: 10.0DEG
 Test Speed: HIGH
 Temperature:20DEG
 Operators:LITPA
 Test Date:26.11.2020

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.400
 Humidity:65.0%
 Test Distance:7.200m [K=1.0000]
 Remarks: ELP-T-75W

UTILIZATION FACTORS TABLE

Test:U:230.46V I:0.3265A P:73.321W PF:0.9745 Freq:50.01Hz Lamp Flux:7413.99x1 lm		
NAME: ELP-T	TYPE:LED	WEIGHT:2kg
SPEC.:75W	DIM.: 1230X80X70mm	SERIAL No.:
MFR.: LITPA AYDINLATMA	SUR.:	Shielding Angle:

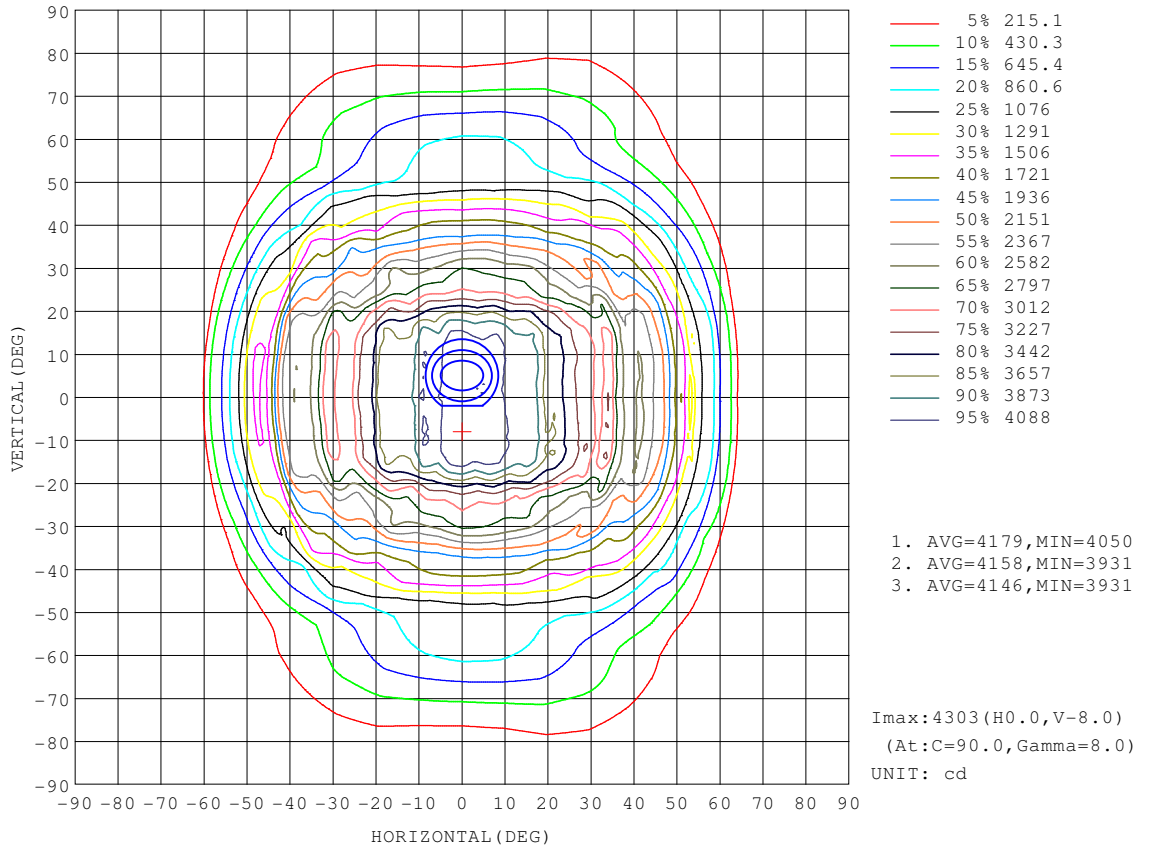
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS (PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	67	57	52	67	57	51	66	57	51	46
0.80	77	68	62	76	67	61	75	66	61	55
1.00	85	76	70	84	75	70	82	76	69	63
1.25	91	83	77	90	82	77	87	81	76	70
1.50	95	88	82	94	87	82	91	85	81	74
2.00	101	94	89	99	93	88	96	91	87	80
2.50	104	98	93	102	96	92	98	94	90	83
3.00	106	101	97	104	99	96	100	97	93	86
4.00	109	105	101	107	103	100	103	100	97	89
5.00	111	107	104	109	105	103	104	102	99	91
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: 26.11.2020

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-2000B_V1 SYSTEM V2.0.400
 Humidity: 65.0%
 Test Distance: 7.200m [K=1.0000]
 Remarks: ELP-T-75W

ISOCANDELA DIAGRAM

Test:U:230.46V I:0.3265A P:73.321W PF:0.9745 Freq:50.01Hz Lamp Flux:7413.99x1 lm		
NAME: ELP-T	TYPE:LED	WEIGHT:2kg
SPEC.:75W	DIM.: 1230X80X70mm	SERIAL No.:
MFR.: LITPA AYDINLATMA	SUR.:	Shielding Angle:

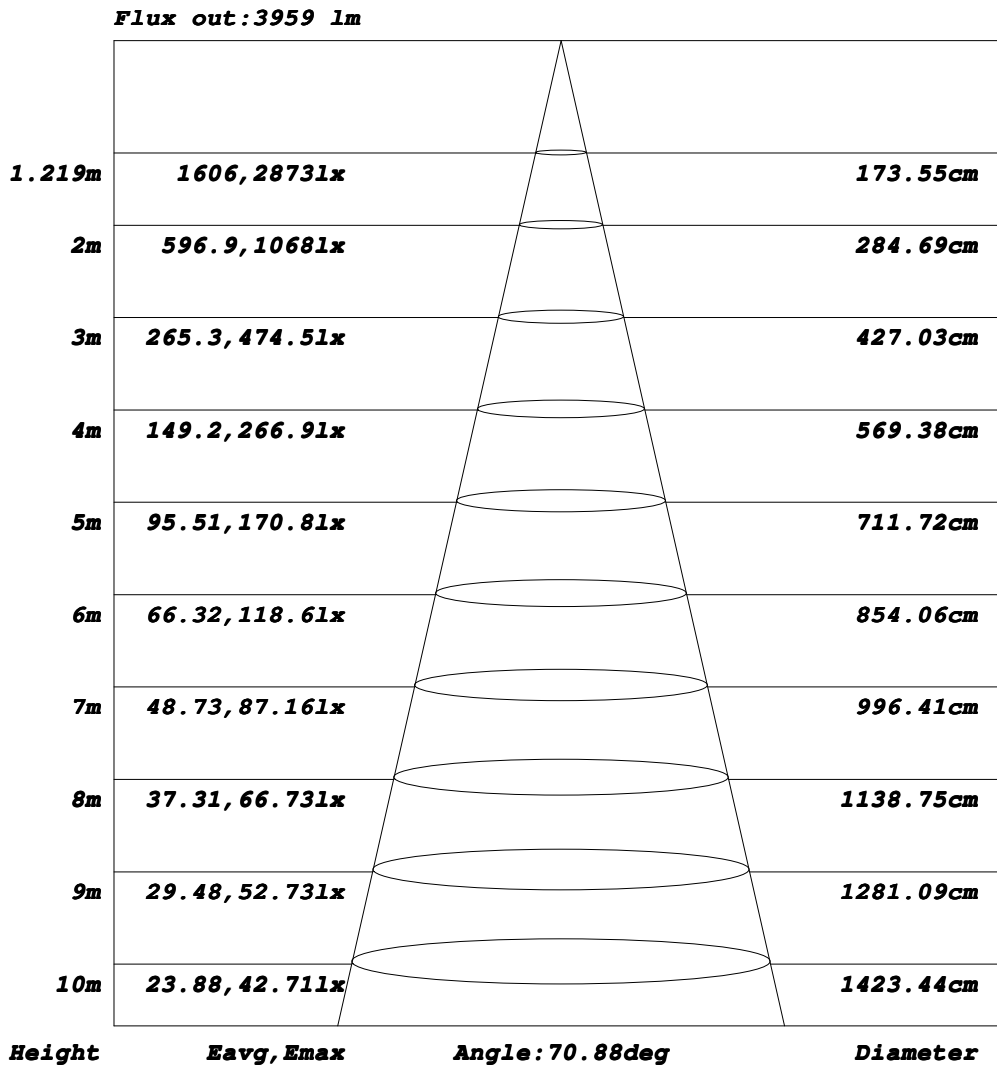


C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature:20DEG
Operators:LITPA
Test Date:26.11.2020

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.400
Humidity:65.0%
Test Distance:7.200m [K=1.0000]
Remarks: ELP-T-75W

AAI Figure

Test:U:230.46V I:0.3265A P:73.321W PF:0.9745 Freq:50.01Hz Lamp Flux:7413.99x1 lm		
NAME: ELP-T	TYPE:LED	WEIGHT:2kg
SPEC.:75W	DIM.: 1230X80X70mm	SERIAL No.:
MFR.: LITPA AYDINLATMA	SUR.:	Shielding Angle:



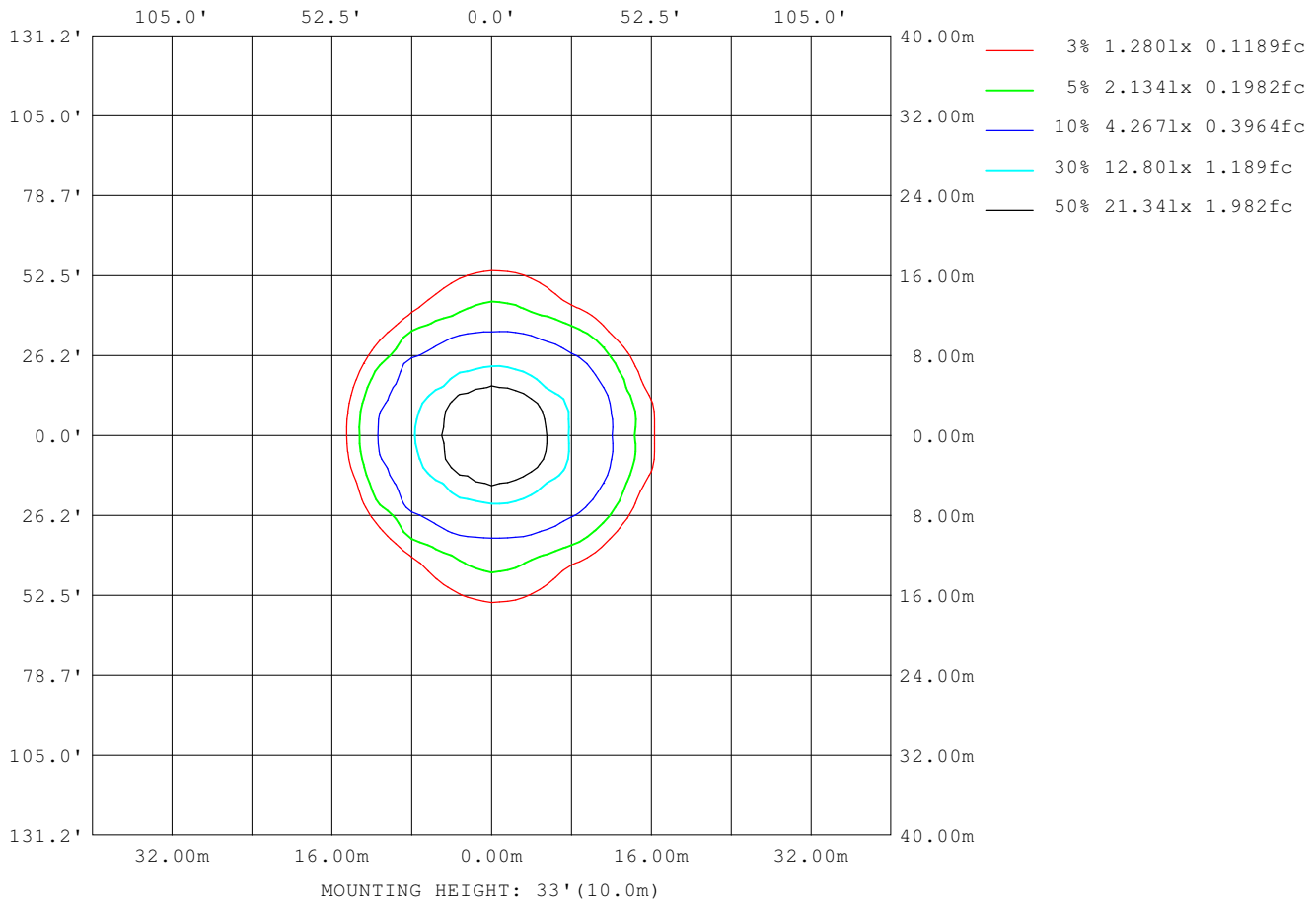
Note: The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature: 20DEG
Operators: LITPA
Test Date: 26.11.2020

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System: EVERFINE GO-2000B_V1 SYSTEM V2.0.400
Humidity: 65.0%
Test Distance: 7.200m [K=1.0000]
Remarks: ELP-T-75W

ISOLUX DIAGRAM

Test:U:230.46V I:0.3265A P:73.321W PF:0.9745 Freq:50.01Hz Lamp Flux:7413.99x1 lm		
NAME: ELP-T	TYPE:LED	WEIGHT:2kg
SPEC.:75W	DIM.: 1230X80X70mm	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: 26.11.2020

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System: EVERFINE GO-2000B_V1 SYSTEM V2.0.400
Humidity: 65.0%
Test Distance: 7.200m [K=1.0000]
Remarks: ELP-T-75W

LED Avg.L Report

Test:U:230.46V I:0.3265A P:73.321W PF:0.9745 Freq:50.01Hz Lamp Flux:7413.99x1 lm		
NAME: ELP-T	TYPE:LED	WEIGHT:2kg
SPEC.:75W	DIM.: 1230X80X70mm	SERIAL No.:
MFR.: LITPA AYDINLATMA	SUR.:	Shielding Angle:

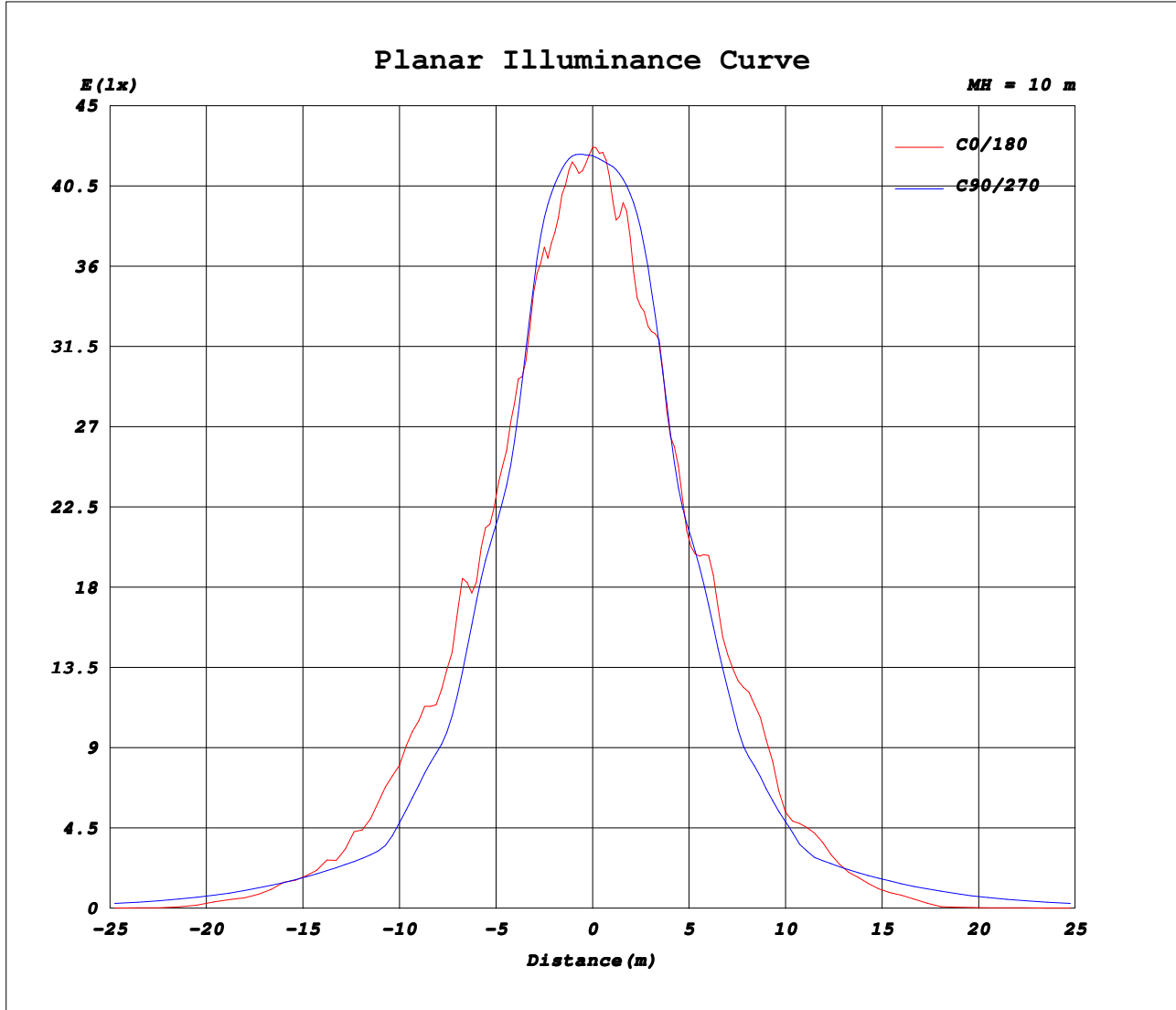
AvgL	cd/m2
L_0~180 (65) av	1950
L_0~180 (75) av	1210
L_0~180 (85) av	2068
L_90~270 (65) av	16521
L_90~270 (75) av	10396
L_90~270 (85) av	2843
L_45 (65) av	8039
L_45 (75) av	6132
L_45 (85) av	5971

Standard: GB/T 29293-2012

C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature:20DEG
Operators:LITPA
Test Date:26.11.2020

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.400
Humidity:65.0%
Test Distance:7.200m [K=1.0000]
Remarks: ELP-T-75W

Planar Illuminance Curve



C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature: 20DEG
Operators: LITPA
Test Date: 26.11.2020

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System: EVERFINE GO-2000B_V1 SYSTEM V2.0.400
Humidity: 65.0%
Test Distance: 7.200m [K=1.0000]
Remarks: ELP-T-75W

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:230.46V I:0.3265A P:73.321W PF:0.9745 Freq:50.01Hz Lamp Flux:7413.99x1 lm		
NAME: ELP-T	TYPE:LED	WEIGHT:2kg
SPEC.:75W	DIM.: 1230X80X70mm	SERIAL No.:
MFR.: LITPA AYDINLATMA	SUR.:	Shielding Angle:

Table--1

UNIT: cd

C (DEG) γ (DEG)	0	10	20	30	40	50	60	70	80	90	100	110	120	130	140	150	160	170	180
0	4236	4236	4236	4236	4236	4236	4236	4236	4236	4236	4236	4236	4236	4236	4236	4236	4236	4236	4236
5	4175	4135	4109	4131	4132	4148	4179	4244	4288	4291	4278	4262	4255	4229	4182	4128	4084	4065	4122
10	4028	4067	4125	4164	4239	4284	4177	4192	4268	4316	4292	4268	4088	3975	4086	4118	4073	4019	4062
15	3989	4002	4064	3968	4024	4165	4244	4128	4115	4205	4183	4005	4069	4054	3785	3706	3724	3678	3687
20	3568	3567	3699	3958	4006	3858	3769	3744	3496	3575	3554	3503	3669	3599	3699	3774	3736	3581	3605
25	3307	3322	3480	3656	3457	3463	3084	3095	2997	3075	2971	3030	2887	3234	3424	3334	3246	3063	3062
30	3091	3204	3184	3213	2982	2718	2838	2782	2848	2859	2694	2680	2642	2596	2729	2820	2981	3047	3031
35	2997	3201	3182	2717	2424	2449	2426	2316	2263	2188	2115	2193	2422	2243	2277	2838	2688	2590	2574
40	2504	2500	2484	2424	2164	2091	1912	1833	1820	1826	1801	1725	1756	1953	1997	2094	2538	2536	2519
45	2254	2360	2428	1998	1793	1665	1511	1524	1408	1368	1392	1501	1344	1484	1698	1849	1731	1550	1514
50	1648	1730	1810	1604	1557	1235	1172	1048	1031	1065	997	960	1096	1148	1169	1063	1312	1392	1386
55	1131	1295	1123	1195	1077	1009	840	897	1000	1038	958	835	740	741	723	773	690	751	738
60	636	734	719	669	607	657	688	826	911	924	863	762	606	432	407	367	302	240	235
65	112	162	256	320	351	439	601	705	720	705	677	635	515	346	213	132	90.5	60.8	53.0
70	44.2	52.6	84.7	131	210	366	491	526	491	468	460	458	374	254	143	90.8	69.1	46.3	40.0
75	32.0	38.1	59.9	84.8	135	239	323	344	289	263	266	284	236	153	85.4	59.8	44.8	34.9	30.6
80	23.1	27.1	42.0	54.6	80.3	137	191	192	133	109	118	146	129	84.5	50.1	37.6	30.6	26.2	23.4
85	17.2	19.8	24.3	32.7	44.8	72.3	97.1	87.3	41.9	23.7	32.4	58.4	59.8	46.3	31.6	25.7	22.2	20.7	18.9
90	12.3	14.4	17.0	21.5	27.6	38.5	44.1	32.1	7.89	0.76	5.19	18.4	26.5	25.2	20.1	18.6	17.6	17.8	17.3
95	11.9	12.8	13.8	15.2	16.3	18.3	16.9	9.36	2.43	0.90	3.08	7.55	12.6	14.1	13.0	13.1	13.5	14.0	13.9
100	10.2	10.7	10.5	10.4	9.73	8.96	7.21	4.87	1.97	1.44	4.40	5.97	8.60	8.96	8.72	9.65	10.3	11.1	11.0
105	8.02	8.19	7.81	7.34	6.43	5.64	5.35	3.77	2.08	2.31	6.14	6.47	7.14	7.60	7.41	7.71	8.28	8.96	9.10
110	6.76	6.79	6.54	6.10	5.35	5.03	4.46	3.23	2.37	3.18	6.44	9.13	6.15	6.63	7.11	7.55	7.83	8.14	8.16
115	6.46	6.45	6.15	5.69	5.12	4.56	3.91	3.19	2.74	3.84	6.29	8.03	6.06	6.04	6.73	7.53	8.06	8.34	8.42
120	6.55	6.57	6.34	5.83	5.08	4.43	3.79	3.42	3.37	4.42	6.09	6.41	7.96	5.90	6.45	7.19	7.89	8.30	8.51
125	6.86	6.81	6.44	5.81	5.20	4.63	4.11	3.85	4.06	4.84	6.04	6.48	6.78	6.77	6.52	7.11	7.73	8.10	8.37
130	7.16	7.13	6.79	6.13	5.54	5.04	4.73	4.53	4.82	5.38	6.34	6.60	6.31	7.39	7.19	7.29	7.75	8.10	8.33
135	7.58	7.56	7.29	6.49	6.05	5.76	5.51	5.45	5.65	6.03	6.74	6.91	6.87	7.06	8.06	8.01	8.16	8.38	8.64
140	7.98	7.97	7.50	7.08	6.78	6.59	6.33	6.39	6.56	6.82	7.33	7.47	7.62	7.68	8.05	8.77	9.12	9.11	9.28
145	8.53	8.54	8.09	7.86	7.65	7.44	7.39	7.46	7.59	7.76	8.13	8.28	8.35	8.54	8.70	9.01	9.46	9.74	10.1
150	9.34	9.32	8.95	8.75	8.50	8.46	8.44	8.54	8.64	8.75	9.05	9.15	9.19	9.35	9.59	9.77	9.96	10.1	10.4
155	10.2	10.1	9.72	9.61	9.50	9.49	9.53	9.60	9.71	9.76	9.96	10.1	10.1	10.2	10.4	10.6	10.7	10.8	11.0
160	11.0	10.8	10.6	10.5	10.5	10.5	10.5	10.6	10.7	10.7	10.9	11.0	11.0	11.1	11.1	11.2	11.3	11.4	11.6
165	11.8	11.5	11.4	11.4	11.4	11.5	11.5	11.6	11.6	11.6	11.7	11.8	11.9	11.9	11.9	11.9	12.0	12.0	12.1
170	12.4	12.1	12.1	12.1	12.2	12.2	12.2	12.3	12.3	12.4	12.4	12.5	12.5	12.5	12.6	12.6	12.6	12.6	12.7
175	12.6	12.6	12.7	12.7	12.7	12.8	12.8	12.8	12.8	12.8	12.8	12.9	12.9	12.9	13.0	13.0	13.0	13.0	12.6
180	12.7	13.0	13.0	13.0	13.0	13.1	13.0	13.1	13.0	13.1	13.0	13.0	13.0	13.1	13.1	13.1	13.1	13.0	12.7

C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature:20DEG
Operators:LITPA
Test Date:26.11.2020

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.400
Humidity:65.0%
Test Distance:7.200m [K=1.0000]
Remarks: ELP-T-75W

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:230.46V I:0.3265A P:73.321W PF:0.9745 Freq:50.01Hz Lamp Flux:7413.99x1 lm		
NAME: ELP-T	TYPE:LED	WEIGHT:2kg
SPEC.:75W	DIM.: 1230X80X70mm	SERIAL No.:
MFR.: LITPA AYDINLATMA	SUR.:	Shielding Angle:

Table--2

UNIT: cd

C (DEG) γ (DEG)	190	200	210	220	230	240	250	260	270	280	290	300	310	320	330	340	350		
0	4236	4236	4236	4236	4236	4236	4236	4236	4236	4236	4236	4236	4236	4236	4236	4236	4236		
5	4089	4103	4106	4157	4183	4197	4208	4218	4234	4241	4201	4153	4123	4108	4111	4107	4081		
10	4034	4060	4067	3987	3920	4041	4215	4244	4258	4229	4151	4146	4213	4218	4127	4122	4054		
15	3666	3673	3658	3759	4009	4015	3928	4136	4135	4073	4055	4206	4138	3986	3935	3926	3968		
20	3595	3750	3740	3648	3574	3702	3565	3645	3628	3595	3791	3829	3820	3978	3935	3737	3551		
25	3073	3254	3313	3461	3295	2971	3043	2945	3031	2990	3095	3189	3491	3491	3627	3488	3295		
30	3012	2948	2812	2825	2596	2637	2607	2653	2808	2778	2768	2825	2723	3084	3221	3116	3160		
35	2586	2721	2872	2304	2204	2411	2225	2216	2252	2342	2333	2487	2456	2474	2782	2992	3207		
40	2535	2528	2121	2000	1968	1829	1739	1779	1784	1807	1832	2026	2088	2109	2508	2578	2435		
45	1566	1863	1858	1714	1487	1360	1471	1414	1384	1453	1508	1546	1671	1823	1970	2430	2421		
50	1416	1337	1087	1265	1167	1148	950	959	1014	1000	1066	1242	1247	1639	1626	1851	1742		
55	772	785	783	755	763	745	805	919	984	965	881	867	1034	1119	1154	1088	1312		
60	255	349	376	438	441	599	747	842	887	888	816	687	638	656	658	744	760		
65	62.3	99.7	139	235	365	541	626	681	692	718	698	610	444	376	336	323	186		
70	47.3	70.2	99.2	163	267	393	463	480	475	507	528	496	382	230	143	91.4	57.1		
75	36.1	50.3	67.4	105	174	265	302	287	275	306	353	341	247	153	98.2	67.9	42.9		
80	27.0	34.2	42.3	60.0	101	157	162	134	118	147	201	213	151	91.8	61.6	44.3	29.8		
85	21.2	23.5	27.9	36.8	55.2	78.6	69.6	39.6	25.8	46.0	92.9	114	83.1	52.5	36.7	27.8	21.2		
90	18.2	18.5	19.8	22.7	28.6	33.2	22.4	7.20	0.75	8.05	32.7	52.7	43.4	31.5	23.5	18.9	15.2		
95	14.4	14.1	13.9	14.3	15.9	15.2	8.72	3.44	0.93	2.12	8.56	17.1	17.6	17.0	16.5	15.1	13.5		
100	11.2	10.7	10.1	9.39	9.50	9.40	6.72	5.09	1.55	1.83	4.62	7.30	8.97	9.96	9.64	10.9	11.2		
105	9.11	8.51	7.93	7.65	8.08	7.72	6.80	7.11	2.58	2.05	3.65	5.28	5.66	6.51	7.23	7.25	8.23		
110	8.21	7.97	7.68	7.32	7.06	6.70	10.6	7.74	3.59	2.42	3.23	4.47	5.09	5.37	5.77	6.31	5.81		
115	8.39	8.17	7.69	6.96	6.44	6.37	9.43	7.28	4.26	2.97	3.20	3.84	4.61	5.23	5.58	5.92	6.12		
120	8.47	7.99	7.38	6.69	6.24	8.61	7.29	7.05	4.77	3.61	3.45	3.83	4.41	5.12	5.83	6.07	6.41		
125	8.28	7.85	7.26	6.79	7.00	7.67	7.00	6.82	5.19	4.28	3.92	4.18	4.59	5.25	5.91	6.38	6.68		
130	8.21	7.93	7.46	7.32	7.97	6.71	7.10	6.98	5.66	5.02	4.63	4.81	5.05	5.58	6.06	6.86	7.00		
135	8.53	8.34	8.20	8.41	7.47	7.19	7.35	7.25	6.27	5.83	5.58	5.57	5.80	6.09	6.48	7.31	7.39		
140	9.27	9.29	9.07	8.39	7.97	7.96	7.81	7.73	7.05	6.73	6.56	6.41	6.63	6.84	7.09	7.53	7.87		
145	9.93	9.72	9.27	8.93	8.83	8.64	8.58	8.41	7.98	7.78	7.64	7.51	7.49	7.71	7.93	8.13	8.53		
150	10.3	10.1	9.96	9.78	9.61	9.42	9.41	9.28	8.95	8.80	8.69	8.58	8.54	8.56	8.78	8.97	9.31		
155	10.9	10.9	10.7	10.5	10.4	10.3	10.3	10.2	9.90	9.83	9.73	9.67	9.59	9.59	9.64	9.76	10.00		
160	11.5	11.5	11.3	11.2	11.2	11.2	11.1	11.0	10.8	10.8	10.7	10.7	10.6	10.6	10.6	10.7	10.8		
165	12.0	12.0	12.0	12.0	12.0	11.9	11.9	11.8	11.7	11.6	11.6	11.6	11.5	11.5	11.4	11.4	11.5		
170	12.6	12.6	12.6	12.6	12.6	12.6	12.5	12.4	12.4	12.4	12.3	12.3	12.2	12.2	12.2	12.1	12.1		
175	12.9	13.0	12.9	13.0	12.9	12.9	12.9	12.9	12.8	12.8	12.8	12.8	12.8	12.8	12.7	12.7	12.5		
180	13.0	13.1	13.0	13.1	13.1	13.1	13.1	13.1	13.0	13.0	13.0	13.0	13.0	13.1	13.1	13.1	12.9		

C Range: 0 - 360DEG

C Interval: 10.0DEG

Test Speed: HIGH

Temperature:20DEG

Operators:LITPA

Test Date:26.11.2020

γ Range: 0 - 180DEG

γ Interval: 1.0DEG

Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.400

Humidity:65.0%

Test Distance:7.200m [K=1.0000]

Remarks: ELP-T-75W