

Floodlight Summary:

Report based on lamp delivering 1000 lumens.

Maximum Intensity	477.2 cd per klm.
(Luminaire orientation as tested.)	0.0 degrees vertical
	0.0 degrees horizontal

Beam Spread	At 10% of Imax	114.8V x 114.9H
	At 50% of Imax	97.5V x 97.1H
	At 90% of Imax	86.5V x 86.3H

Beam Flux	Total	1000.0 lumens per klm.
	To 10% of Imax	957.5 lumens per klm.
	To 50% of Imax	878.1 lumens per klm.
	To 90% of Imax	178.1 lumens per klm.

Upward LOR	0.0 %
Downward LOR	100.0 %

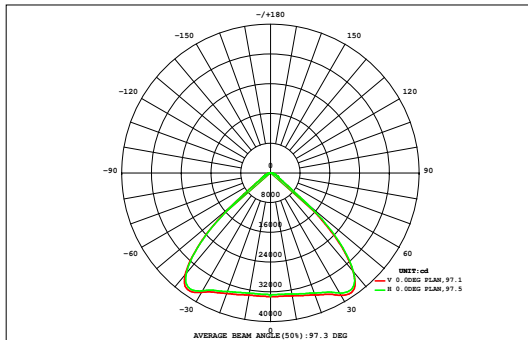
Luminaire Efficiency (Light Output Ratio)	100.0 %
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C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature: 20DEG
Operators: LITPA
Test Date: 16/12/2021

γ Range: 0 - 90DEG
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: KYH-XL 750W 4000K

LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:230.43V I:0A P:0W PF:0.0000 Freq:50.01Hz Lamp Flux:91726.6x1 lm		
NAME: KYH-XL	TYPE:OUTDOOR	WEIGHT:28 kg
SPEC.:750 WATT	DIM.: 540X660X70	SERIAL No.:
MFR.: LITPA AYDINLATMA	SUR.:	Shielding Angle:



DATA OF LAMP		PHOTOMETRIC DATA	
MODEL	KYH-XL	Imax (cd)	43772
NOMINAL POWER (W)	750	AVAILABILITY (%)	95.8
RATED VOLTAGE (V)	230.0	Avai. FLUX (lm)	87855
NOMINAL FLUX (lm)	91726.6	LOR (%)	100.0
LAMPS INSIDE	1	TOTAL FLUX (lm)	91727
TEST VOLTAGE (V)	230	θ @50% (H,V)	97,97DEG

VERTICAL (DEG)	AREA FLUX DIAGRAM																UNIT:lm		Φ t	Φ a
	0.03	0.14	0.38	0.83	1.43	2.14	2.86	3.43	3.73	3.75	3.32	2.67	1.99	1.32	0.79	0.40	0.16	0.04	29.4	0.00
90	0.03	0.14	0.38	0.83	1.43	2.14	2.86	3.43	3.73	3.75	3.32	2.67	1.99	1.32	0.79	0.40	0.16	0.04	29.4	0.00
80	0.05	0.52	2.20	5.35	10.0	15.5	20.5	24.0	25.7	25.5	23.2	19.5	14.8	9.63	5.08	2.14	0.57	0.07	204	0.00
70	0.10	1.41	6.02	14.4	25.4	37.7	47.5	53.2	57.7	58.3	54.0	45.5	35.4	24.7	13.7	5.75	1.47	0.12	482	0.00
60	0.17	2.64	10.7	24.0	46.0	129	231	229	192	157	130	104	76.6	47.1	23.5	10.4	2.68	0.20	1416	868
50	0.26	3.95	15.2	33.7	122	524	864	932	847	747	655	567	416	155	34.6	14.7	4.03	0.30	5936	5768
40	0.36	5.18	19.0	46.2	276	866	1167	1194	1155	1121	1092	1047	878	400	54.5	18.3	5.30	0.41	9345	9205
30	0.46	6.22	22.3	62.3	420	960	1115	1099	1077	1063	1070	1079	1015	562	83.3	21.2	6.38	0.51	9663	9534
20	0.53	6.96	24.8	79.2	496	959	1041	1033	1021	1009	1006	1002	972	607	107	24.1	7.20	0.59	9397	9273
10	0.58	7.34	26.0	90.9	530	948	1003	1005	1004	988	977	967	940	591	110	26.5	7.69	0.64	9221	9102
0	0.58	7.27	25.2	95.9	547	942	987	989	993	1004	1001	992	954	576	104	27.1	7.75	0.65	9253	9129
-10	0.53	6.76	22.7	89.3	552	969	1027	1026	1025	1027	1033	1036	979	553	91.2	25.9	7.36	0.60	9469	9346
-20	0.45	5.94	19.9	69.2	510	1009	1111	1099	1086	1089	1105	1119	1006	478	67.5	23.1	6.60	0.52	9806	9677
-30	0.35	4.87	17.2	48.3	374	880	1083	1118	1131	1153	1180	1167	903	327	47.8	19.3	5.50	0.42	9459	9323
-40	0.25	3.67	13.9	32.6	154	449	615	689	740	804	865	829	548	139	34.3	15.2	4.20	0.31	5937	5777
-50	0.16	2.41	9.86	22.8	46.4	81.8	112	140	159	180	203	205	139	47.4	24.2	10.8	2.82	0.20	1386	853
-60	0.09	1.27	5.46	13.6	24.5	35.7	45.6	54.5	58.4	57.7	52.7	46.4	38.0	25.4	14.5	6.12	1.53	0.12	482	0.00
-70	0.05	0.47	2.01	5.10	9.95	15.5	20.3	23.8	25.9	25.9	24.3	20.5	15.8	10.1	5.44	2.30	0.59	0.07	208	0.00
-80	0.02	0.13	0.37	0.82	1.46	2.25	3.00	3.64	4.01	3.90	3.56	2.94	2.19	1.46	0.85	0.41	0.16	0.04	31.2	0.00
-90	0.02	0.13	0.37	0.82	1.46	2.25	3.00	3.64	4.01	3.90	3.56	2.94	2.19	1.46	0.85	0.41	0.16	0.04	31.2	0.00
-90 -80 -70 -60 -50 -40 -30 -20 HORIZONTAL (DEG) 20 30 40 50 60 70 80 90																				
Φ t	5.01	67.2	243	734	4145	8826	10497	10716	10607	10517	10477	10251	8935	4554	821	254	72.0	5.81	91727	---
Φ a	0.00	0.00	0.00	303	3911	8621	10269	10463	10339	10249	10221	10019	8728	4327	407	0.00	0.00	0.00	---	87855

one-half-peak spread: U:14.8,D:13.8 , L:14.3,R:13.9

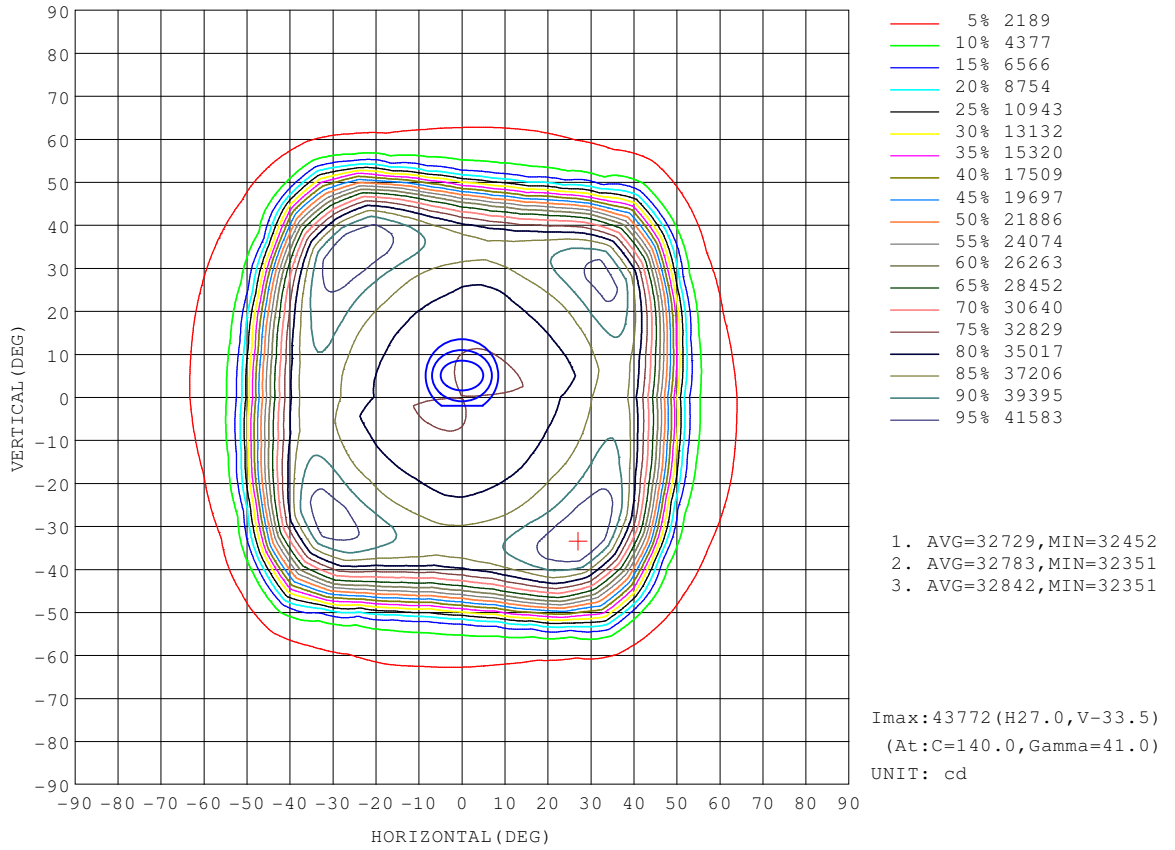
NEMA Beam Type: Type 6

C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature: 20DEG
Operators: LITPA
Test Date: 16/12/2021

γ Range: 0 - 90DEG
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: KYH-XL 750W 4000K

ISOCANDELA DIAGRAM

Test:U:230.43V I:0A P:0W PF:0.0000 Freq:50.01Hz Lamp Flux:91726.6x1 lm		
NAME: KYH-XL	TYPE:OUTDOOR	WEIGHT:28 kg
SPEC.:750 WATT	DIM.: 540X660X70	SERIAL No.:
MFR.: LITPA AYDINLATMA	SUR.:	Shielding Angle:

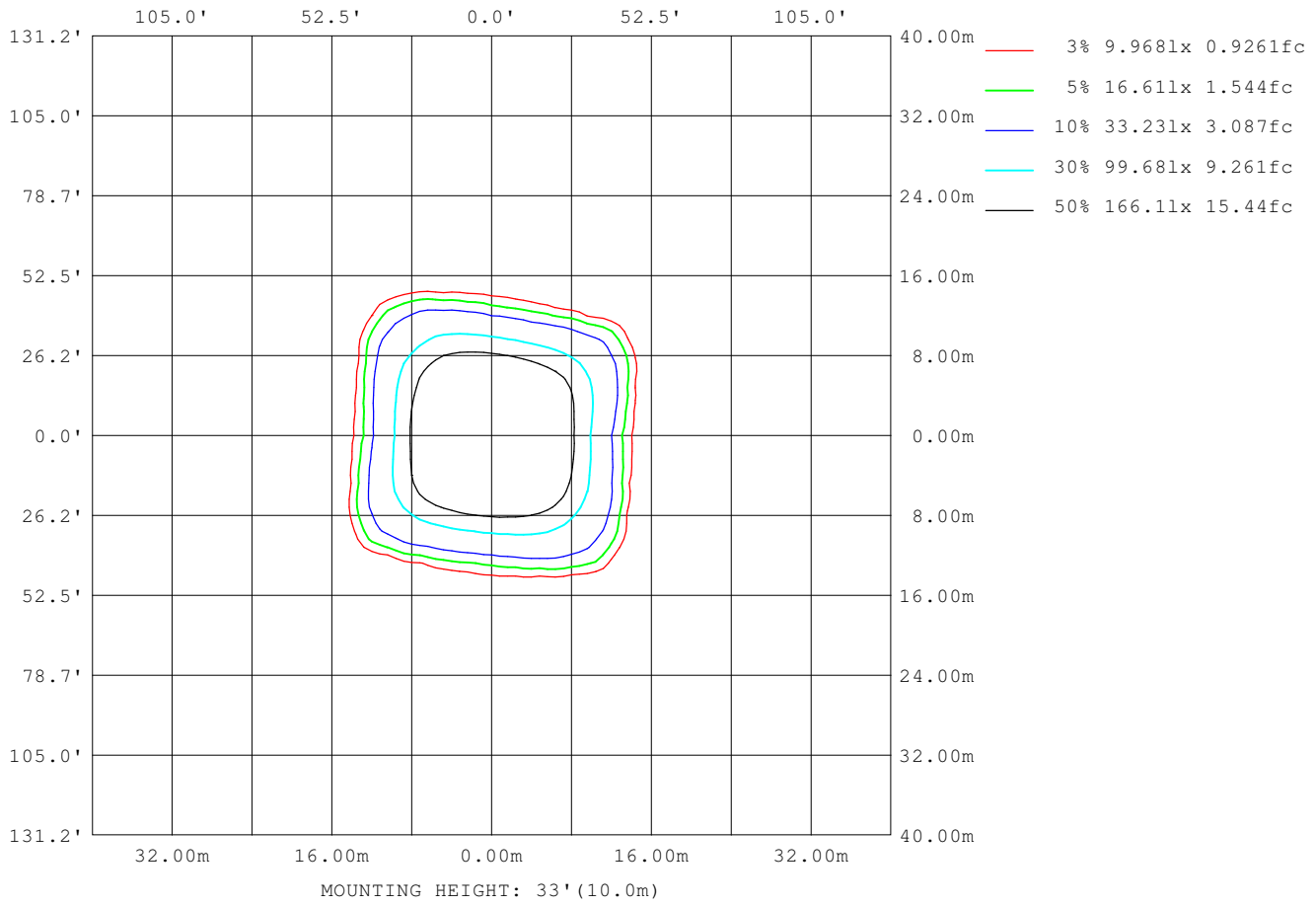


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ISOLUX DIAGRAM

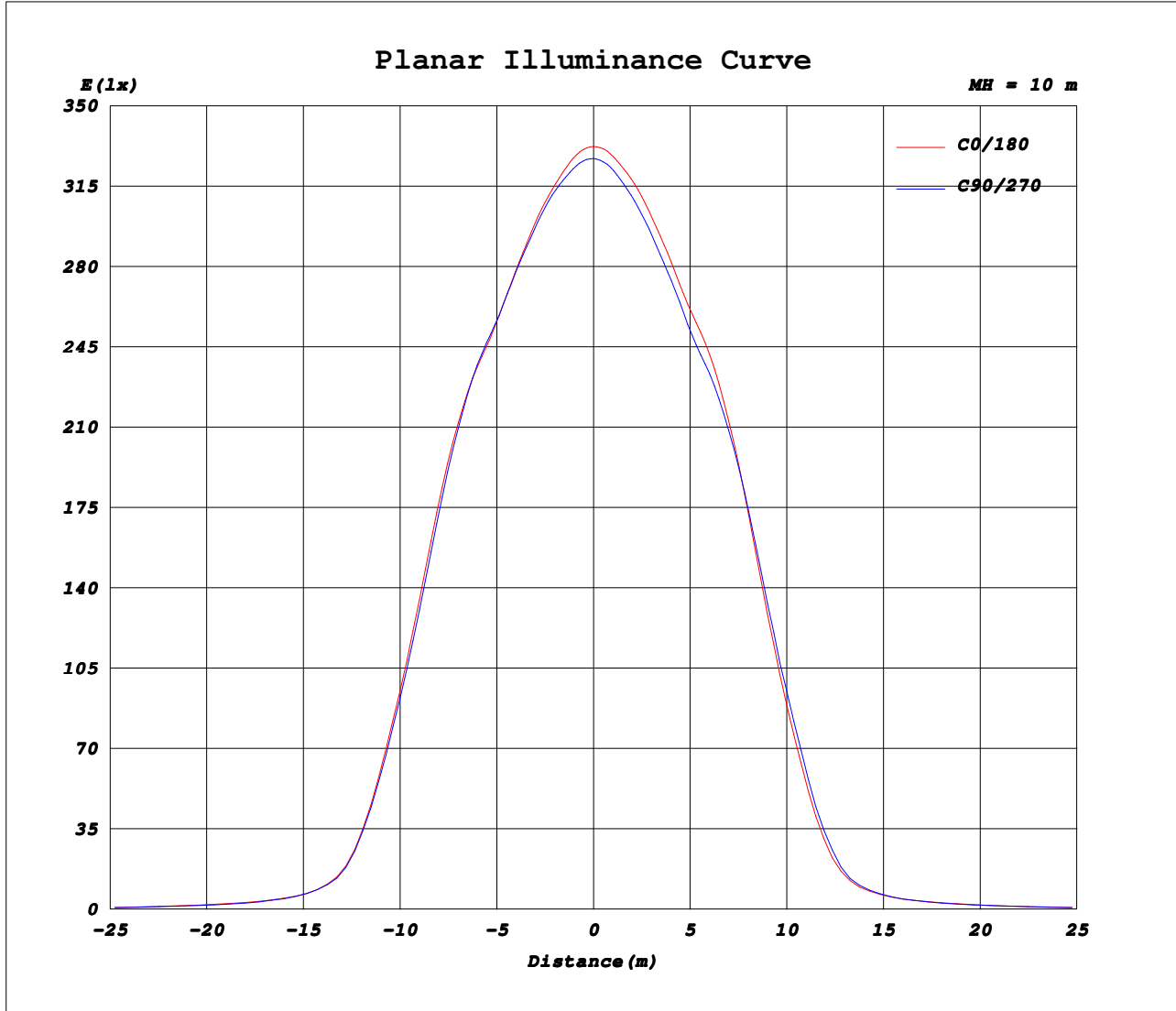
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SPEC.:750 WATT	DIM.: 540X660X70	SERIAL No.:
MFR.: LITPA AYDINLATMA	SUR.:	Shielding Angle:



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Planar Illuminance Curve



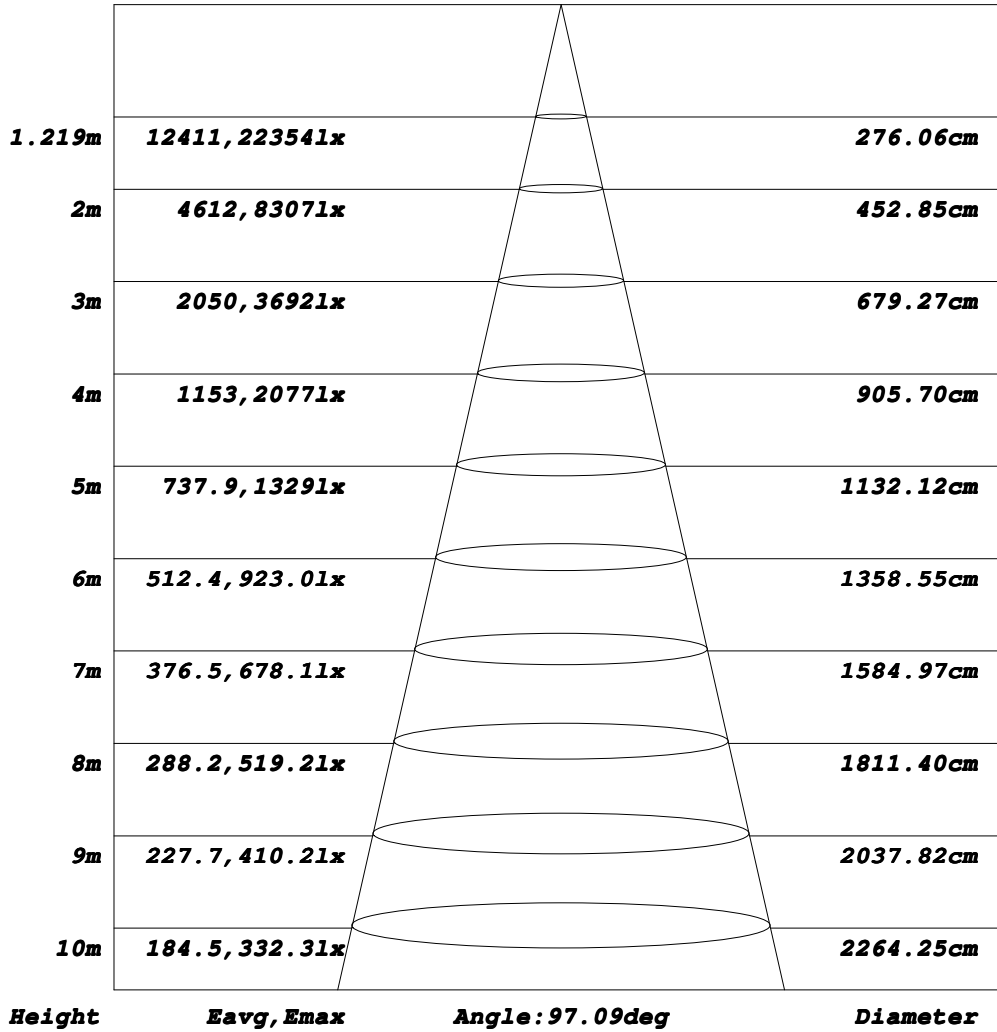
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C Interval: 10.0DEG
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Temperature: 20DEG
Operators: LITPA
Test Date: 16/12/2021

γ Range: 0 - 90DEG
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Test System: EVERFINE GO-2000B_V1 SYSTEM V2.0.400
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Test Distance: 7.200m [K=1.0000]
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AAI Figure

Test:U:230.43V I:0A P:0W PF:0.0000 Freq:50.01Hz Lamp Flux:91726.6x1 lm		
NAME: KYH-XL	TYPE:OUTDOOR	WEIGHT:28 kg
SPEC.:750 WATT	DIM.: 540X660X70	SERIAL No.:
MFR.: LITPA AYDINLATMA	SUR.:	Shielding Angle:

Flux out:76695 lm



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

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 C Interval: 10.0DEG
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 Operators: LITPA
 Test Date: 16/12/2021

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LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:230.43V I:0A P:0W PF:0.0000 Freq:50.01Hz Lamp Flux:91726.6x1 lm		
NAME: KYH-XL	TYPE:OUTDOOR	WEIGHT:28 kg
SPEC.:750 WATT	DIM.: 540X660X70	SERIAL No.:
MFR.: LITPA AYDINLATMA	SUR.:	Shielding Angle:

Table--1

UNIT: μA10cd

H (DEG) V (DEG)	-90	-85	-80	-75	-70	-65	-60	-55	-50	-45	-40	-35	-30	-25	-20	-15	-10	-5	0
-90	0.60	0.59	0.57	0.59	0.61	0.63	0.66	0.67	0.69	0.69	0.69	0.68	0.67	0.65	0.63	0.61	0.60	0.59	0.58
-85	0.60	0.80	0.98	1.41	1.90	2.44	3.10	3.61	4.25	5.07	5.85	6.37	6.95	7.57	8.07	8.22	8.22	8.56	8.79
-80	0.60	1.01	1.87	2.88	4.30	6.49	9.33	12.3	15.3	19.0	23.3	26.9	30.7	33.3	35.2	37.9	40.0	40.6	40.7
-75	0.60	1.42	2.84	5.14	8.82	14.6	21.1	27.7	35.1	43.7	52.9	61.1	67.2	72.6	76.6	80.1	82.6	84.5	85.2
-70	0.60	1.92	4.17	8.87	16.5	26.2	37.1	49.3	65.3	79.7	91.7	102	110	117	124	129	132	135	137
-65	0.60	2.40	6.11	14.2	26.1	40.7	57.5	78.0	95.7	113	129	142	153	163	174	183	187	191	192
-60	0.60	2.84	8.59	20.6	37.1	57.8	80.9	103	127	151	172	190	207	222	244	257	261	263	262
-55	0.60	3.27	11.7	27.6	49.3	75.1	101	129	159	201	251	281	315	335	380	406	422	441	457
-50	0.60	3.90	15.4	35.0	61.4	91.9	121	154	198	302	537	673	829	890	976	1035	1122	1197	1293
-45	0.60	4.63	19.4	42.4	73.0	106	139	178	255	567	1439	1824	2205	2306	2371	2417	2467	2523	2607
-40	0.60	5.31	23.8	49.5	84.3	120	154	204	361	1115	2215	2894	3274	3391	3369	3389	3400	3412	3470
-35	0.60	6.02	27.9	56.9	94.6	132	169	230	564	1792	2869	3660	3981	4042	3942	3881	3835	3795	3812
-30	0.60	6.80	31.7	63.9	104	142	184	256	761	2154	3374	4044	4298	4174	4019	3909	3818	3740	3727
-25	0.60	7.48	35.1	70.1	112	152	200	307	909	2422	3562	4167	4212	4041	3855	3727	3628	3559	3541
-20	0.60	8.05	38.0	75.4	119	161	214	358	1121	2568	3583	4072	4051	3844	3698	3591	3513	3455	3436
-15	0.60	8.51	40.3	80.0	126	172	232	385	1222	2628	3564	3956	3897	3702	3583	3478	3414	3373	3361
-10	0.60	8.84	42.1	83.5	131	182	249	420	1261	2604	3512	3874	3797	3603	3487	3397	3344	3310	3304
-5	0.60	9.05	43.4	86.0	135	190	262	434	1264	2601	3494	3844	3745	3536	3428	3345	3289	3264	3278
0	0.60	9.14	44.2	87.4	138	197	270	421	1154	2514	3458	3869	3802	3601	3490	3412	3355	3329	3323
5	0.60	9.07	43.6	86.7	138	196	271	420	1157	2520	3465	3880	3814	3615	3500	3411	3347	3305	3271
10	0.60	8.88	42.6	84.9	136	193	267	403	1069	2427	3432	3904	3877	3676	3547	3444	3373	3317	3282
15	0.60	8.56	41.0	82.0	132	188	259	376	965	2362	3392	3933	3956	3759	3616	3501	3420	3363	3327
20	0.60	8.12	38.9	78.0	127	180	245	351	821	2192	3309	3953	4051	3879	3718	3604	3499	3434	3393
25	0.60	7.56	36.2	73.1	119	169	229	319	626	1971	3182	3951	4172	4046	3860	3726	3620	3543	3491
30	0.60	6.88	32.8	67.2	111	157	210	284	502	1621	2947	3857	4287	4243	4082	3913	3788	3699	3659
35	0.60	6.10	28.9	60.5	101	144	190	251	378	1105	2542	3605	4152	4347	4272	4108	3964	3864	3795
40	0.60	5.39	24.7	53.3	90.5	131	171	218	293	713	1965	2989	3630	4026	4161	3994	3833	3675	3532
45	0.60	4.72	20.4	45.8	78.9	117	151	189	240	425	1253	2150	2809	3232	3393	3276	3088	2895	2688
50	0.60	3.99	16.1	38.0	66.5	101	131	163	201	269	511	1160	1700	2065	2085	1972	1785	1569	1297
55	0.60	3.36	12.3	30.2	54.1	81.9	110	135	166	201	266	423	581	663	688	574	550	495	446
60	0.60	2.94	9.00	22.6	41.8	63.0	86.9	109	132	157	182	214	238	248	252	252	262	263	259
65	0.60	2.49	6.38	15.6	29.6	45.4	62.4	82.0	99.7	117	134	149	160	168	172	177	182	188	192
70	0.60	2.01	4.40	9.78	19.1	29.1	39.9	52.2	66.9	81.9	93.7	104	113	120	124	129	132	134	135
75	0.60	1.50	3.04	5.59	10.3	16.0	22.2	29.3	36.8	44.2	52.6	60.7	68.4	74.6	79.3	82.3	84.4	84.3	82.8
80	0.60	1.08	2.05	3.13	4.81	6.91	9.30	12.7	16.2	18.8	21.6	25.4	29.1	31.7	34.3	36.7	38.4	38.9	38.7
85	0.60	0.84	1.12	1.61	2.14	2.56	3.04	3.59	4.35	4.93	5.33	6.15	7.04	7.31	7.39	7.86	8.28	8.02	7.63
90	0.60	0.61	0.61	0.63	0.64	0.66	0.68	0.70	0.71	0.71	0.71	0.70	0.70	0.68	0.66	0.64	0.62	0.60	0.59

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SPEC.:750 WATT	DIM.: 540X660X70	SERIAL No.:
MFR.: LITPA AYDINLATMA	SUR.:	Shielding Angle:

Table--2

UNIT: μA10cd

H (DEG) V (DEG)	5	10	15	20	25	30	35	40	45	50	55	60	65	70	75	80	85	90	
-90	0.60	0.61	0.62	0.63	0.65	0.68	0.69	0.70	0.70	0.70	0.69	0.69	0.69	0.70	0.73	0.75	0.79	0.83	
-85	8.64	8.37	8.23	7.96	7.52	6.98	6.41	5.85	5.09	4.30	3.72	3.26	2.70	2.26	1.92	1.60	1.21	0.83	
-80	39.6	38.1	37.6	36.3	32.4	28.7	25.8	22.6	19.0	15.7	13.1	10.1	7.42	5.10	3.56	2.50	1.62	0.83	
-75	85.6	84.6	83.3	81.1	74.8	68.0	62.2	54.8	44.5	36.2	29.7	23.5	16.7	11.2	6.44	3.70	2.06	0.83	
-70	134	130	129	125	119	112	105	95.3	82.2	67.1	53.2	41.3	29.8	19.6	11.3	5.46	2.50	0.83	
-65	187	181	176	171	165	158	150	135	116	99.4	83.8	63.9	45.9	30.4	17.5	7.88	2.98	0.83	
-60	262	257	248	241	235	239	222	184	156	131	111	88.0	63.5	42.8	24.9	10.9	3.62	0.83	
-55	479	504	517	587	535	589	464	278	202	167	137	110	81.8	55.4	32.7	14.6	4.22	0.83	
-50	1428	1574	1738	1857	1853	1681	1276	591	286	204	165	131	99.8	68.4	41.0	18.8	5.02	0.83	
-45	2734	2882	3033	3154	3102	2836	2238	1408	493	251	191	152	117	81.2	49.2	23.4	5.91	0.83	
-40	3559	3678	3812	3960	3959	3694	3084	2150	863	313	220	171	132	93.7	57.2	28.0	6.73	0.83	
-35	3867	3947	4072	4228	4355	4237	3744	2789	1451	431	252	191	147	106	64.7	32.3	7.61	0.83	
-30	3768	3835	3950	4094	4269	4373	4068	3265	1940	601	285	213	162	117	71.7	36.0	8.62	0.83	
-25	3575	3640	3740	3865	4058	4232	4159	3483	2264	757	329	235	175	125	77.6	39.3	9.51	0.83	
-20	3462	3517	3609	3726	3864	4062	4083	3553	2473	997	374	255	187	132	82.6	42.2	10.3	0.83	
-15	3381	3426	3502	3616	3738	3928	4000	3602	2635	1188	411	271	195	137	87.0	44.5	10.9	0.83	
-10	3326	3371	3441	3533	3652	3831	3944	3626	2701	1306	447	280	201	141	90.2	46.2	11.3	0.83	
-5	3307	3341	3404	3478	3585	3757	3894	3622	2745	1374	465	284	204	143	92.3	47.3	11.6	0.83	
0	3325	3337	3386	3448	3543	3708	3854	3577	2698	1326	458	283	205	144	93.1	47.9	11.7	0.83	
5	3250	3260	3304	3371	3472	3641	3824	3629	2813	1477	486	276	199	142	91.8	47.1	11.6	0.83	
10	3273	3298	3348	3423	3528	3691	3861	3672	2850	1510	482	264	191	138	89.4	45.8	11.3	0.83	
15	3323	3352	3412	3506	3624	3799	3960	3741	2895	1489	446	247	181	133	85.8	43.9	10.9	0.83	
20	3388	3432	3509	3607	3734	3958	4087	3769	2850	1415	418	230	171	126	81.1	41.5	10.3	0.83	
25	3481	3527	3621	3752	3915	4117	4192	3718	2683	1165	358	214	161	119	75.7	38.5	9.51	0.83	
30	3653	3710	3808	3911	4045	4204	4073	3490	2375	914	289	197	151	110	69.4	35.2	8.62	0.83	
35	3758	3767	3798	3838	3901	3884	3667	2945	1928	672	254	180	140	101	62.2	31.3	7.59	0.83	
40	3444	3373	3302	3249	3234	3124	2836	2229	1193	410	218	163	127	90.7	54.5	26.9	6.70	0.83	
45	2563	2429	2287	2215	2129	1961	1650	1368	566	269	188	147	112	78.9	46.8	22.1	5.88	0.83	
50	1190	1046	896	848	755	694	598	496	302	208	160	127	97.1	66.3	39.0	17.9	4.98	0.83	
55	432	409	383	359	325	302	271	250	208	164	132	105	79.9	53.5	31.1	14.1	4.18	0.83	
60	261	259	252	240	221	206	189	174	155	130	104	82.9	61.0	40.7	23.5	11.0	3.58	0.83	
65	191	188	182	173	163	153	141	128	115	96.6	78.1	58.5	43.1	29.0	16.6	7.85	2.95	0.83	
70	134	131	127	121	116	109	99.3	89.4	78.6	65.1	49.3	37.5	27.9	19.0	10.9	5.37	2.46	0.83	
75	82.8	81.5	77.5	72.6	69.7	64.8	57.7	49.7	42.5	35.1	27.6	21.0	15.7	10.3	6.40	3.61	2.03	0.83	
80	39.6	39.9	36.3	32.2	31.0	29.0	24.7	20.8	17.9	15.1	12.0	9.18	7.02	5.16	3.55	2.44	1.61	0.83	
85	7.69	7.62	7.14	6.59	6.44	6.11	5.42	4.82	4.49	4.02	3.43	2.99	2.61	2.29	1.92	1.58	1.23	0.83	
90	0.59	0.59	0.59	0.60	0.62	0.64	0.66	0.68	0.69	0.71	0.71	0.71	0.73	0.75	0.79	0.84	0.84	0.83	

C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature: 20DEG
Operators: LITPA
Test Date: 16/12/2021

γ Range: 0 - 90DEG
 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: KYH-XL 750W 4000K