

Floodlight Summary:

Report based on lamp delivering 1000 lumens.

Maximum Intensity	689.3 cd per klm.
(Luminaire orientation as tested.)	0.0 degrees vertical
	0.0 degrees horizontal

Beam Spread	At 10% of Imax	123.2V x 114.9H
	At 50% of Imax	76.0V x 71.3H
	At 90% of Imax	52.8V x 23.4H

Beam Flux	Total	1000.1 lumens per klm.
	To 10% of Imax	928.2 lumens per klm.
	To 50% of Imax	630.9 lumens per klm.
	To 90% of Imax	156.6 lumens per klm.

Upward LOR	0.0 %
Downward LOR	100.0 %

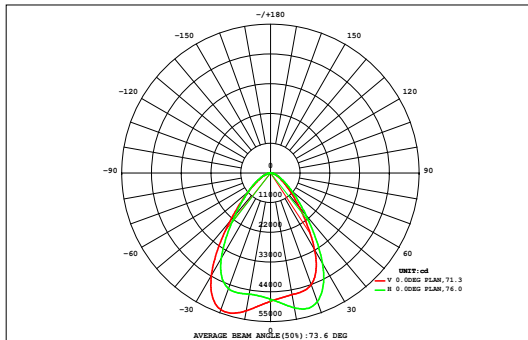
Luminaire Efficiency (Light Output Ratio)	100.0 %
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C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature: 20DEG
Operators: LITPA
Test Date: 24/09/2021

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 625W 4000K

LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:230.47V I:0A P:0W PF:0.0000 Freq:50.01Hz Lamp Flux:78453.7x1 lm		
NAME: KYH-XL	TYPE:OUTDOOR	WEIGHT:22 kg
SPEC.:625 WATT	DIM.: 540X660X70	SERIAL No.:
MFR.: LITPA AYDINLATMA	SUR.:	Shielding Angle:



DATA OF LAMP		PHOTOMETRIC DATA	
MODEL	KYH-XL	Imax (cd)	54080
NOMINAL POWER (W)	625	AVAILABILITY (%)	92.6
RATED VOLTAGE (V)	230.0	Avai. FLUX (lm)	72681
NOMINAL FLUX (lm)	78453.7	LOR (%)	100.0
LAMPS INSIDE	1	TOTAL FLUX (lm)	78454
TEST VOLTAGE (V)	230	θ @50% (H,V)	71,76DEG

VERTICAL (DEG)	AREA FLUX DIAGRAM																UNIT:lm		Φ t	Φ a
	0.02	0.10	0.33	0.84	1.73	2.96	4.43	5.88	6.86	7.15	6.51	5.23	3.67	2.26	1.21	0.52	0.19	0.05	49.9	0.00
90	0.02	0.10	0.33	0.84	1.73	2.96	4.43	5.88	6.86	7.15	6.51	5.23	3.67	2.26	1.21	0.52	0.19	0.05	49.9	0.00
80	0.04	0.46	2.43	6.96	14.3	23.2	32.7	41.1	46.3	47.0	42.4	34.7	25.0	15.8	8.25	3.26	0.78	0.09	345	0.00
70	0.07	1.48	7.57	20.1	39.1	62.2	85.1	103	118	120	108	87.1	62.3	39.7	21.1	8.70	2.09	0.17	887	0.00
60	0.14	3.07	14.7	37.1	70.8	115	162	201	237	239	211	162	112	69.1	36.6	15.6	3.91	0.30	1691	1119
50	0.23	4.91	22.1	54.7	108	189	288	375	451	458	391	285	182	105	54.1	23.1	5.96	0.45	2997	2680
40	0.33	6.69	28.6	71.8	153	290	481	684	834	856	720	492	288	149	73.5	30.5	8.01	0.61	5167	4937
30	0.43	8.19	33.8	87.0	199	411	744	1088	1249	1279	1135	803	438	207	93.4	37.3	9.89	0.76	7825	7641
20	0.50	9.26	37.5	97.6	236	531	976	1302	1391	1412	1361	1092	616	268	112	42.9	11.3	0.89	9498	9335
10	0.54	9.78	39.4	104	255	597	1075	1329	1391	1411	1447	1269	766	325	126	46.3	12.1	0.96	10204	10054
0	0.54	9.82	39.8	105	258	604	1089	1367	1448	1508	1560	1351	816	344	129	46.8	12.3	0.97	10690	10541
-10	0.50	9.38	38.6	99.8	228	515	980	1351	1521	1562	1482	1186	683	300	119	44.4	11.7	0.92	10133	9976
-20	0.43	8.35	34.4	84.2	180	379	727	1097	1326	1372	1192	870	498	236	101	39.6	10.5	0.82	8157	7972
-30	0.34	6.78	27.8	66.8	134	252	447	669	834	867	734	526	323	173	81.2	32.9	8.78	0.68	5183	4951
-40	0.23	4.89	20.6	49.6	94.9	163	252	355	424	439	384	291	199	117	60.9	25.3	6.73	0.53	2889	2563
-50	0.14	2.97	13.3	33.1	62.5	102	143	186	213	219	196	159	118	75.3	41.2	17.3	4.55	0.36	1587	913
-60	0.07	1.38	6.78	18.0	34.8	55.8	75.8	94.5	105	107	97.6	82.5	63.2	41.2	22.9	9.64	2.54	0.22	819	0.00
-70	0.04	0.41	2.07	6.02	12.4	20.1	27.3	33.4	37.1	38.3	35.9	30.4	23.3	15.5	8.66	3.71	1.03	0.12	296	0.00
-80	0.02	0.10	0.27	0.63	1.32	2.14	2.93	3.66	4.19	4.50	4.38	3.83	3.01	2.15	1.32	0.68	0.28	0.07	35.5	0.00
-90	0.02	0.10	0.27	0.63	1.32	2.14	2.93	3.66	4.19	4.50	4.38	3.83	3.01	2.15	1.32	0.68	0.28	0.07	35.5	0.00
-90 -80 -70 -60 -50 -40 -30 -20 HORIZONTAL (DEG) 20 30 40 50 60 70 80 90																				
Φ t	4.60	88.0	370	943	2083	4315	7592	10287	11637	11949	11107	8730	5220	2486	1092	429	113	8.99	78454	---
Φ a	0.00	0.00	0.00	338	1659	3941	7237	9939	11298	11609	10764	8380	4856	2087	572	0.00	0.00	0.00	---	72681

one-half-peak spread: U:22.3,D:22.0 , L:51.3,R:20.3

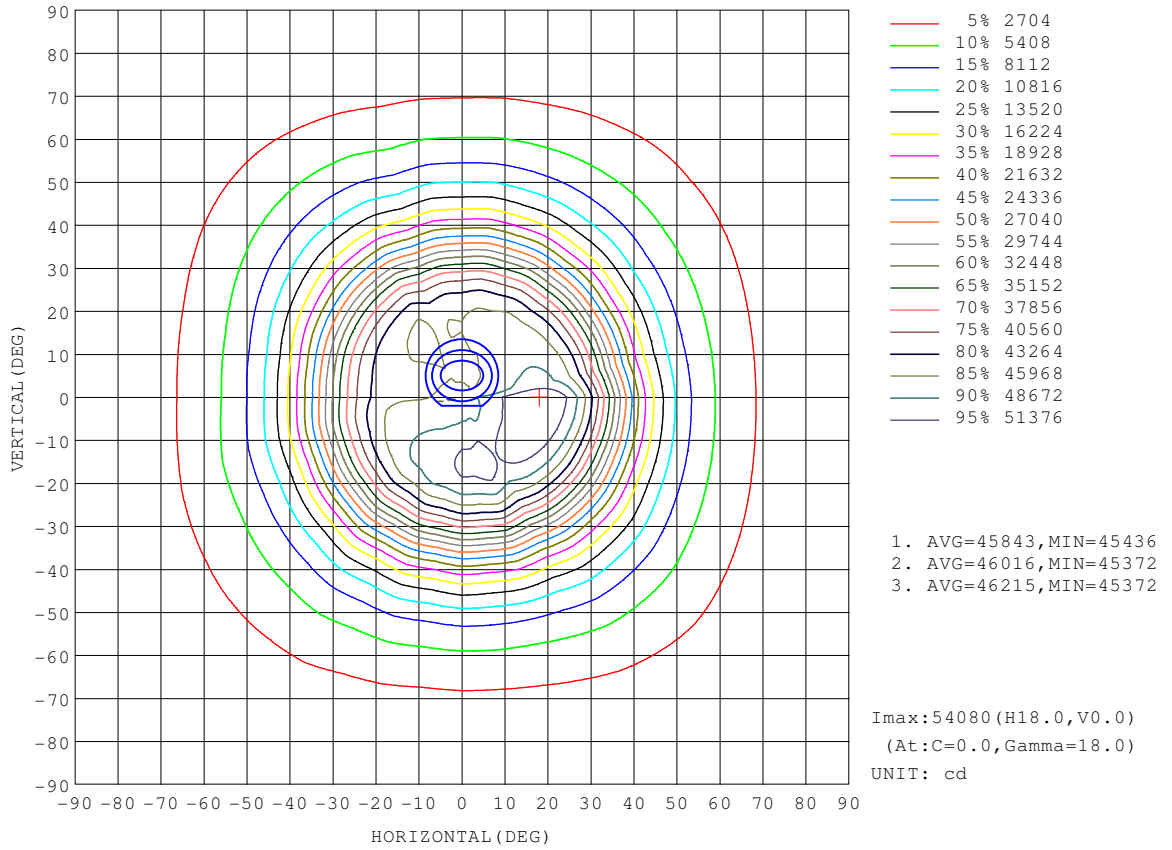
NEMA Beam Type: Type 6

C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature: 20DEG
Operators: LITPA
Test Date: 24/09/2021

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 625W 4000K

ISOCANDELA DIAGRAM

Test:U:230.47V I:0A P:0W PF:0.0000 Freq:50.01Hz Lamp Flux:78453.7x1 lm		
NAME: KYH-XL	TYPE:OUTDOOR	WEIGHT:22 kg
SPEC.:625 WATT	DIM.: 540X660X70	SERIAL No.:
MFR.: LITPA AYDINLATMA	SUR.:	Shielding Angle:

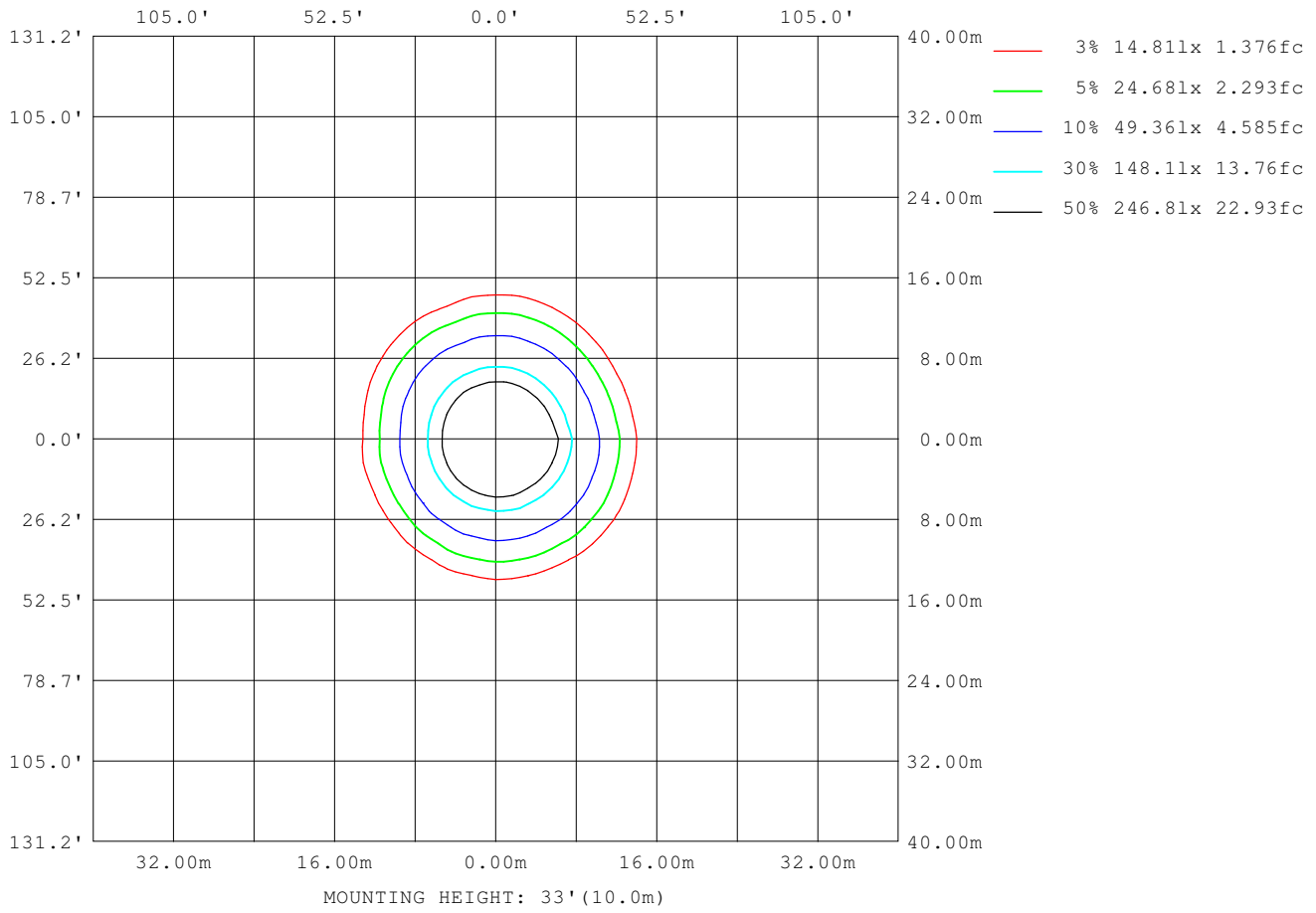


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Temperature:20DEG
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Remarks: KYH-XL 625W 4000K

ISOLUX DIAGRAM

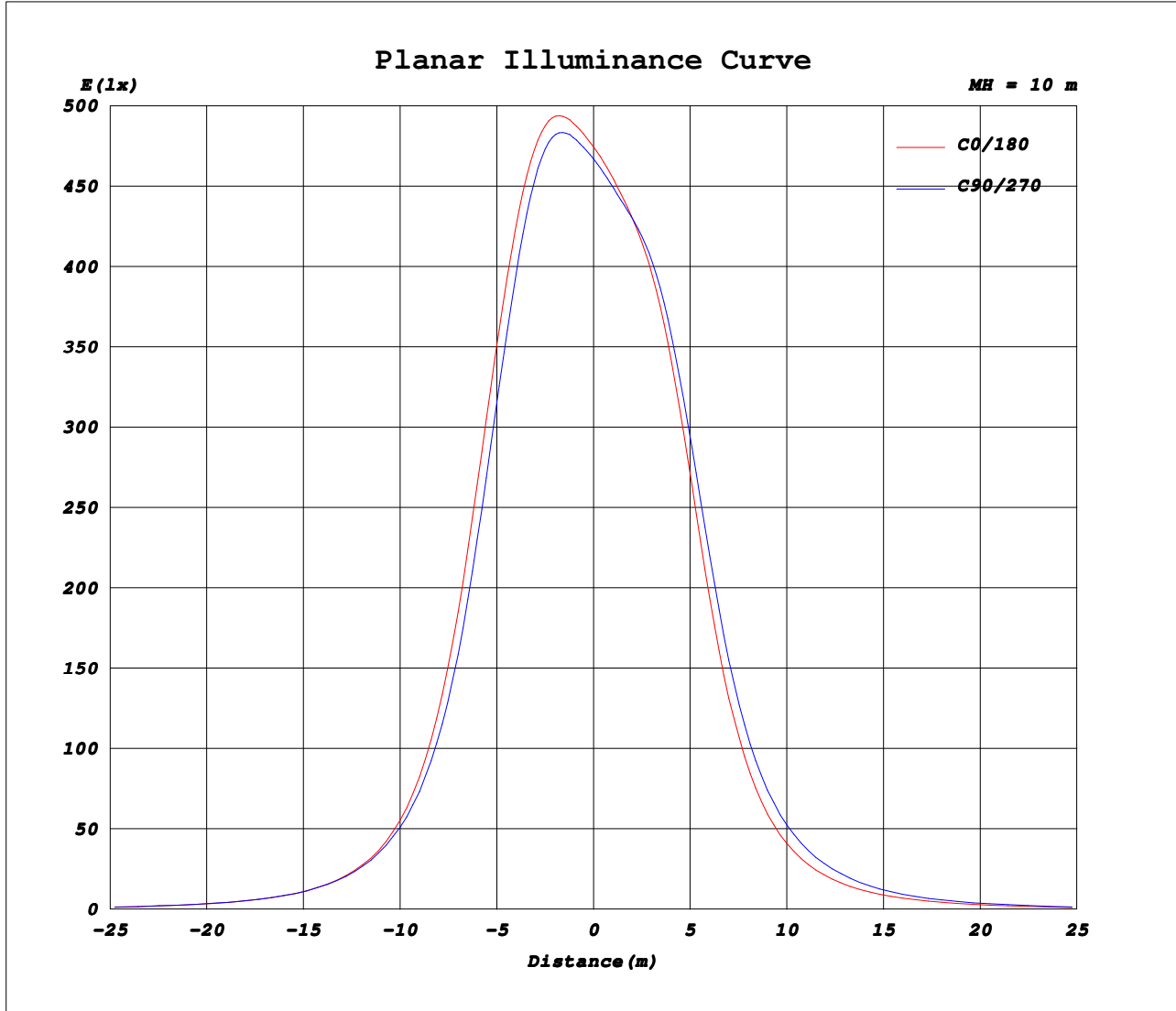
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SPEC.:625 WATT	DIM.: 540X660X70	SERIAL No.:
MFR.: LITPA AYDINLATMA	SUR.:	Shielding Angle:



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Temperature: 20DEG
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Planar Illuminance Curve



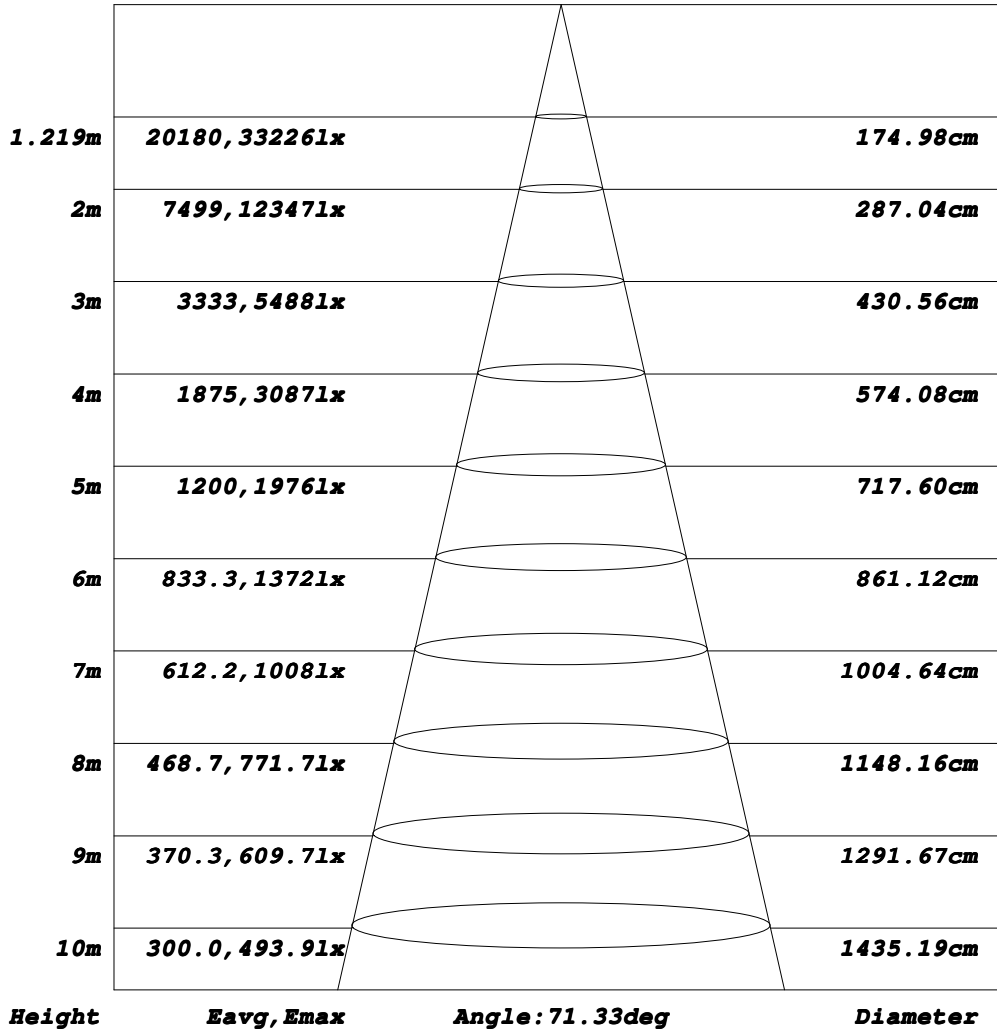
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C Interval: 10.0DEG
Test Speed: HIGH
Temperature: 20DEG
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γ Range: 0 - 90DEG
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Remarks: KYH-XL 625W 4000K

AAI Figure

Test:U:230.47V I:0A P:0W PF:0.0000 Freq:50.01Hz Lamp Flux:78453.7x1 lm		
NAME: KYH-XL	TYPE:OUTDOOR	WEIGHT:22 kg
SPEC.:625 WATT	DIM.: 540X660X70	SERIAL No.:
MFR.: LITPA AYDINLATMA	SUR.:	Shielding Angle:

Flux out:49745 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
 Test Speed: HIGH
 Temperature: 20DEG
 Operators: LITPA
 Test Date: 24/09/2021

γ Range: 0 - 90DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-2000B_V1 SYSTEM V2.0.400
 Humidity: 65.0%
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LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:230.47V I:0A P:0W PF:0.0000 Freq:50.01Hz Lamp Flux:78453.7x1 lm		
NAME: KYH-XL	TYPE:OUTDOOR	WEIGHT:22 kg
SPEC.:625 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	0.65	0.61	0.57	0.57	0.56	0.57	0.57	0.57	0.57	0.58	0.60	0.60	0.60	0.61	0.62	0.62	0.63	0.63	0.64
-85	0.65	0.68	0.88	1.10	1.35	1.71	2.17	2.60	3.10	3.79	4.51	4.88	5.33	6.24	7.10	7.28	7.31	8.09	8.75
-80	0.65	0.76	1.49	2.28	3.27	4.88	7.60	11.2	15.2	20.7	26.4	29.5	32.4	36.9	41.4	43.4	44.4	47.2	49.2
-75	0.65	1.01	2.33	4.12	7.82	14.4	22.8	32.2	42.7	54.9	68.0	78.0	85.2	95.4	105	111	114	118	122
-70	0.65	1.35	3.51	8.21	17.3	29.9	45.7	63.4	82.6	103	125	144	159	175	191	201	207	216	223
-65	0.65	1.70	5.29	15.0	30.0	50.0	74.4	101	128	160	193	223	246	272	300	320	331	344	353
-60	0.65	2.11	7.95	23.6	45.5	74.4	107	143	181	221	266	312	347	382	423	454	472	490	503
-55	0.65	2.49	11.7	33.2	63.4	100	143	187	234	285	347	409	460	508	571	627	658	690	717
-50	0.65	2.98	16.1	44.4	83.1	127	179	231	293	360	433	517	598	673	770	868	924	975	1018
-45	0.65	3.51	20.6	56.0	102	156	215	280	355	435	528	644	776	899	1038	1200	1296	1371	1447
-40	0.65	3.99	25.0	67.4	121	185	250	329	417	519	640	798	1001	1203	1390	1651	1830	1941	2061
-35	0.65	4.57	29.3	77.8	141	211	287	376	482	609	776	986	1268	1611	1906	2252	2559	2723	2886
-30	0.65	5.33	33.6	87.3	160	237	324	423	547	709	930	1218	1596	2098	2570	3001	3439	3628	3834
-25	0.65	5.98	37.3	95.9	173	260	359	474	615	816	1098	1496	2001	2621	3295	3770	4197	4419	4610
-20	0.65	6.51	40.6	103	184	279	390	520	688	923	1264	1772	2424	3163	3848	4366	4680	4911	5065
-15	0.65	6.91	43.2	108	192	291	412	561	757	1036	1437	2022	2799	3598	4230	4660	4912	5080	5191
-10	0.65	7.19	44.8	112	197	298	420	578	804	1131	1600	2268	3095	3871	4421	4739	4900	4966	5060
-5	0.65	7.35	45.7	114	199	300	421	583	819	1164	1680	2405	3276	4027	4483	4692	4747	4769	4843
0	0.65	7.38	45.7	114	198	298	417	576	812	1162	1677	2392	3251	3988	4397	4539	4573	4632	4746
5	0.65	7.35	45.6	114	198	297	416	575	812	1153	1659	2364	3211	3951	4379	4539	4572	4584	4571
10	0.65	7.19	44.6	111	195	292	408	562	790	1109	1594	2264	3081	3843	4327	4556	4619	4604	4553
15	0.65	6.91	42.9	107	189	282	394	540	759	1070	1509	2114	2833	3586	4155	4483	4658	4555	4595
20	0.65	6.50	40.4	102	180	270	377	517	717	1000	1377	1874	2491	3188	3815	4252	4476	4503	4555
25	0.65	5.97	37.2	94.4	168	254	357	485	664	907	1221	1621	2127	2692	3273	3788	4005	4204	4267
30	0.65	5.31	33.5	85.6	155	237	332	447	600	806	1062	1379	1764	2182	2642	3073	3303	3591	3662
35	0.65	4.54	29.1	76.2	140	217	303	403	530	699	907	1152	1423	1720	2052	2311	2539	2765	2823
40	0.65	3.95	24.7	66.0	124	193	270	357	460	593	755	939	1132	1342	1554	1698	1882	2033	2060
45	0.65	3.47	20.0	55.3	106	166	235	309	392	493	615	751	896	1035	1158	1239	1382	1476	1490
50	0.65	2.93	15.7	44.5	86.9	139	197	260	328	404	492	589	689	786	857	917	1017	1072	1079
55	0.65	2.44	11.5	34.1	67.8	111	157	210	267	326	388	455	522	585	625	670	739	773	781
60	0.65	2.06	7.96	24.3	49.6	82.2	119	159	205	252	299	346	393	431	450	484	528	548	553
65	0.65	1.66	5.21	15.8	33.4	56.1	82.2	112	146	180	212	247	282	308	323	347	374	385	388
70	0.65	1.29	3.40	9.00	20.3	33.8	50.6	70.8	93.2	115	137	160	181	200	218	234	250	257	259
75	0.65	0.91	2.22	4.56	9.61	17.0	25.9	37.4	50.6	63.6	76.7	90.3	104	116	126	136	145	148	150
80	0.65	0.65	1.36	2.38	3.92	6.33	10.1	14.3	20.1	25.6	31.2	37.8	44.5	50.1	55.2	60.6	65.6	67.7	68.7
85	0.65	0.65	0.66	1.08	1.66	2.10	2.57	3.19	4.16	5.26	6.33	7.81	9.50	11.1	12.7	14.2	15.6	16.2	16.7
90	0.65	0.65	0.65	0.65	0.66	0.66	0.66	0.67	0.67	0.67	0.67	0.70	0.72	0.83	0.94	1.02	1.09	1.17	1.25

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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]
Remarks: KYH-XL 625W 4000K

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SPEC.:625 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	0.64	0.64	0.64	0.64	0.65	0.66	0.73	0.80	0.94	1.08	1.18	1.28	1.40	1.52	1.63	1.75	1.88	2.01	
-85	8.94	8.98	9.48	9.76	9.18	8.40	8.07	7.74	7.11	6.31	5.63	5.05	4.22	3.68	3.30	2.83	2.38	2.01	
-80	49.4	48.9	49.0	48.2	44.8	40.9	37.9	34.4	29.4	24.9	20.9	16.4	12.6	9.08	6.25	4.26	2.89	2.01	
-75	122	120	118	114	107	99.0	90.4	80.9	69.5	58.3	47.6	37.2	27.1	18.1	11.9	6.73	3.58	2.01	
-70	222	218	212	204	191	176	161	143	123	103	84.2	65.1	47.5	31.8	19.4	10.2	4.34	2.01	
-65	352	345	329	313	297	277	251	220	189	158	128	100	72.1	48.6	29.4	14.6	5.26	2.01	
-60	501	489	466	442	419	391	358	313	265	221	180	138	101	67.5	40.8	19.6	6.60	2.01	
-55	711	690	653	612	566	523	471	408	346	289	234	179	130	88.3	53.1	25.6	7.88	2.01	
-50	1007	974	919	844	768	697	612	518	434	361	288	220	160	110	65.9	31.7	9.42	2.01	
-45	1424	1376	1294	1154	1040	928	789	653	536	436	344	261	192	130	78.8	37.7	11.0	2.01	
-40	2022	1958	1807	1569	1409	1219	1008	818	655	516	400	301	220	150	91.8	43.7	12.5	2.01	
-35	2843	2752	2478	2157	1893	1574	1270	1015	793	599	454	341	248	170	104	49.4	14.0	2.01	
-30	3781	3696	3278	2910	2484	2018	1599	1241	929	686	509	381	274	188	114	54.8	15.5	2.01	
-25	4582	4468	4080	3718	3160	2546	1982	1473	1067	773	565	416	297	203	123	59.5	16.8	2.01	
-20	5079	4909	4721	4394	3828	3107	2350	1701	1207	861	616	446	318	215	131	63.5	17.8	2.01	
-15	5259	5138	5111	4864	4367	3593	2712	1945	1353	941	660	472	334	225	137	66.7	18.7	2.01	
-10	5076	5210	5293	5156	4731	3990	3043	2163	1482	1005	694	490	346	232	142	68.9	19.3	2.01	
-5	4930	5170	5350	5316	4975	4269	3272	2299	1552	1043	714	500	352	236	144	70.2	19.6	2.01	
0	4930	5171	5369	5382	5077	4385	3366	2353	1570	1053	718	502	353	236	145	70.6	19.8	2.01	
5	4610	4766	4896	4881	4591	3965	3045	2151	1466	1006	697	493	348	233	143	69.3	19.4	2.01	
10	4635	4740	4806	4719	4374	3667	2747	1920	1319	935	663	476	338	227	139	67.2	18.8	2.01	
15	4675	4737	4679	4478	4017	3288	2446	1735	1212	861	620	453	323	218	133	64.1	18.0	2.01	
20	4615	4585	4405	4085	3530	2797	2084	1502	1077	779	574	423	303	206	125	60.1	16.9	2.01	
25	4305	4172	3940	3471	2921	2298	1716	1265	939	697	523	391	281	192	116	55.3	15.7	2.01	
30	3691	3491	3227	2782	2293	1838	1406	1054	803	612	468	354	257	176	105	50.1	14.3	2.01	
35	2844	2680	2436	2126	1749	1428	1132	880	676	530	413	315	231	158	93.6	44.2	12.7	2.01	
40	2079	1966	1784	1586	1337	1104	906	724	572	454	359	275	204	138	81.3	38.2	11.2	2.01	
45	1497	1429	1306	1176	1020	863	717	589	479	384	305	236	176	118	69.0	31.9	9.67	2.01	
50	1083	1045	969	876	772	665	565	477	395	319	254	199	147	98.9	56.6	25.9	8.06	2.01	
55	781	758	708	647	580	511	443	380	318	259	206	162	118	79.1	44.8	20.1	6.60	2.01	
60	555	543	511	474	434	388	339	292	248	203	161	124	91.1	60.0	33.6	14.7	5.48	2.01	
65	392	387	366	341	313	282	247	214	183	150	118	90.4	65.2	42.8	23.7	10.4	4.34	2.01	
70	261	257	242	224	208	191	168	144	122	101	79.3	58.9	42.4	27.9	14.9	6.74	3.56	2.01	
75	151	149	141	132	123	111	97.3	83.6	71.3	58.8	45.1	32.9	23.9	15.3	8.42	4.12	2.93	2.01	
80	69.4	69.0	65.1	60.4	56.1	51.2	43.6	36.2	31.1	26.3	19.7	13.9	10.2	6.75	4.08	2.63	2.36	2.01	
85	17.3	17.7	16.4	15.0	14.1	12.9	10.6	8.47	7.40	6.15	4.70	3.73	3.07	2.62	2.17	1.77	1.95	2.01	
90	1.27	1.29	1.25	1.22	1.20	1.19	1.12	1.05	1.06	1.07	1.06	1.04	1.05	1.07	1.07	1.06	1.54	2.01	

C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature:20DEG
Operators:LITPA
Test Date:24/09/2021

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 625W 4000K