

Floodlight Summary:

Report based on lamp delivering 1000 lumens.

Maximum Intensity	1159.0 cd per klm.
(Luminaire orientation as tested.)	0.0 degrees vertical
	0.0 degrees horizontal

Beam Spread	At 10% of Imax	93.0V x 90.2H
	At 50% of Imax	52.3V x 51.0H
	At 90% of Imax	29.7V x 23.7H

Beam Flux	Total	1000.2 lumens per klm.
	To 10% of Imax	855.3 lumens per klm.
	To 50% of Imax	530.3 lumens per klm.
	To 90% of Imax	173.4 lumens per klm.

Upward LOR	0.0 %
Downward LOR	100.0 %

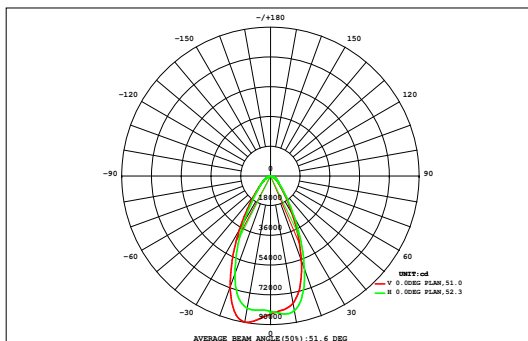
Luminaire Efficiency (Light Output Ratio)	100.0 %
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C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature: 20DEG
Operators: LITPA
Test Date: 30/09/2021

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:230.45V I:0A P:0W PF:0.0000 Freq:0Hz Lamp Flux:77417.4x1 lm		
NAME: KYH-XL	TYPE:OUTDOOR	WEIGHT:27 kg
SPEC.:625 WATT	DIM.: 540X660X70	SERIAL No.:
MFR.: LITPA AYDINLATMA	SUR.:	Shielding Angle:



DATA OF LAMP		PHOTOMETRIC DATA	
MODEL	KYH-XL	Imax (cd)	89729
NOMINAL POWER (W)	625	AVAILABILITY (%)	85.2
RATED VOLTAGE (V)	230.0	Avai. FLUX (lm)	65975
NOMINAL FLUX (lm)	77417.4	LOR (%)	100.0
LAMPS INSIDE	1	TOTAL FLUX (lm)	77417
TEST VOLTAGE (V)	230	θ @50% (H,V)	51,52DEG

VERTICAL (DEG)	AREA FLUX DIAGRAM																UNIT:lm		Φ t	Φ a
	0.02	0.09	0.31	0.81	1.64	2.76	3.98	5.09	5.91	6.00	5.42	4.36	3.15	2.12	1.21	0.60	0.24	0.06	43.8	0.00
90	0.02	0.09	0.31	0.81	1.64	2.76	3.98	5.09	5.91	6.00	5.42	4.36	3.15	2.12	1.21	0.60	0.24	0.06	43.8	0.00
80	0.03	0.41	1.98	5.66	11.5	18.8	26.1	32.2	35.9	35.9	32.6	26.7	19.7	12.9	6.92	2.95	0.83	0.11	271	0.00
70	0.07	1.18	5.68	15.1	29.5	46.6	63.3	77.8	87.2	89.3	81.3	66.3	48.6	31.3	17.0	7.34	1.96	0.20	670	0.00
60	0.12	2.35	10.6	26.4	50.6	80.6	110	139	158	164	146	117	85.1	53.8	29.0	12.9	3.43	0.31	1190	0.00
50	0.19	3.73	15.9	38.4	73.6	121	177	242	291	301	257	190	128	79.6	42.4	18.7	5.05	0.45	1985	629
40	0.27	5.11	21.1	50.8	98.0	175	302	476	629	647	512	331	192	108	57.1	24.2	6.69	0.60	3637	2900
30	0.35	6.36	25.6	62.3	125	254	540	982	1357	1396	1059	618	297	143	70.6	29.1	8.31	0.73	6974	6417
20	0.41	7.34	29.3	71.4	151	356	852	1608	2155	2225	1784	1025	447	181	81.6	34.1	9.72	0.84	11018	10546
10	0.44	7.92	31.9	77.8	171	427	1066	1966	2444	2526	2273	1365	579	218	93.2	38.3	10.7	0.91	13297	12865
0	0.44	7.90	31.7	77.2	168	425	1063	1969	2454	2589	2330	1416	603	226	95.4	39.0	10.9	0.92	13507	13077
-10	0.40	7.28	28.9	70.0	146	343	832	1581	2135	2202	1777	1043	458	190	86.3	35.9	10.1	0.87	10945	10470
-20	0.35	6.28	25.1	61.1	120	242	507	928	1259	1301	1022	607	303	147	73.0	31.1	8.94	0.77	6643	6075
-30	0.27	5.02	20.6	49.8	94.8	162	281	439	562	577	473	320	191	111	58.3	25.4	7.40	0.65	3379	2600
-40	0.19	3.64	15.5	37.6	70.6	114	167	223	263	265	233	179	127	80.8	43.9	19.3	5.67	0.51	1849	396
-50	0.12	2.27	10.3	25.4	47.5	77.1	106	130	146	146	133	110	83.4	54.3	30.3	13.3	3.90	0.37	1120	0.00
-60	0.06	1.11	5.38	14.1	26.9	43.4	59.1	71.7	79.2	78.7	72.6	61.2	47.3	31.5	17.8	7.79	2.27	0.24	620	0.00
-70	0.03	0.36	1.80	4.99	9.96	16.3	22.1	26.5	29.3	29.9	28.2	24.2	18.8	12.7	7.29	3.28	1.02	0.14	237	0.00
-80	0.01	0.07	0.25	0.61	1.20	2.02	2.77	3.33	3.73	3.87	3.76	3.36	2.73	1.98	1.29	0.72	0.31	0.08	32.1	0.00
-90	0.01	0.07	0.25	0.61	1.20	2.02	2.77	3.33	3.73	3.87	3.76	3.36	2.73	1.98	1.29	0.72	0.31	0.08	32.1	0.00
-90 -80 -70 -60 -50 -40 -30 -20 HORIZONTAL (DEG) 20 30 40 50 60 70 80 90																				
Φ t	3.76	68.4	282	689	1397	2905	6180	10899	14098	14582	12224	7508	3633	1684	813	344	97.5	8.77	77417	---
Φ a	0.00	0.00	0.00	0.00	143	1917	5330	10093	13313	13800	11437	6691	2728	523	0.00	0.00	0.00	0.00	---	65975

one-half-peak spread: U:18.6,D:18.9 , L:33.3,R:18.0

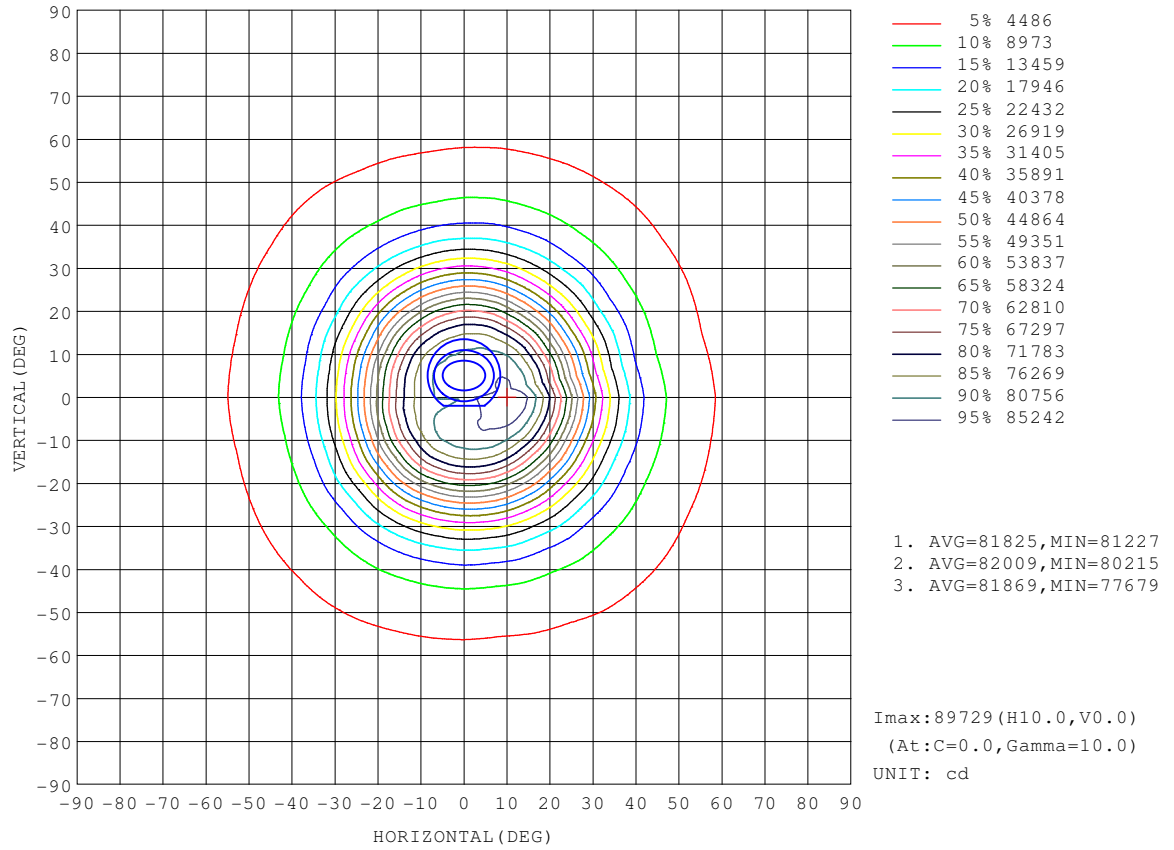
NEMA Beam Type: Type 5

C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature: 20DEG
Operators: LITPA
Test Date: 30/09/2021

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:230.45V I:0A P:0W PF:0.0000 Freq:0Hz Lamp Flux:77417.4x1 lm		
NAME: KYH-XL	TYPE:OUTDOOR	WEIGHT:27 kg
SPEC.:625 WATT	DIM.: 540X660X70	SERIAL No.:
MFR.: LITPA AYDINLATMA	SUR.:	Shielding Angle:

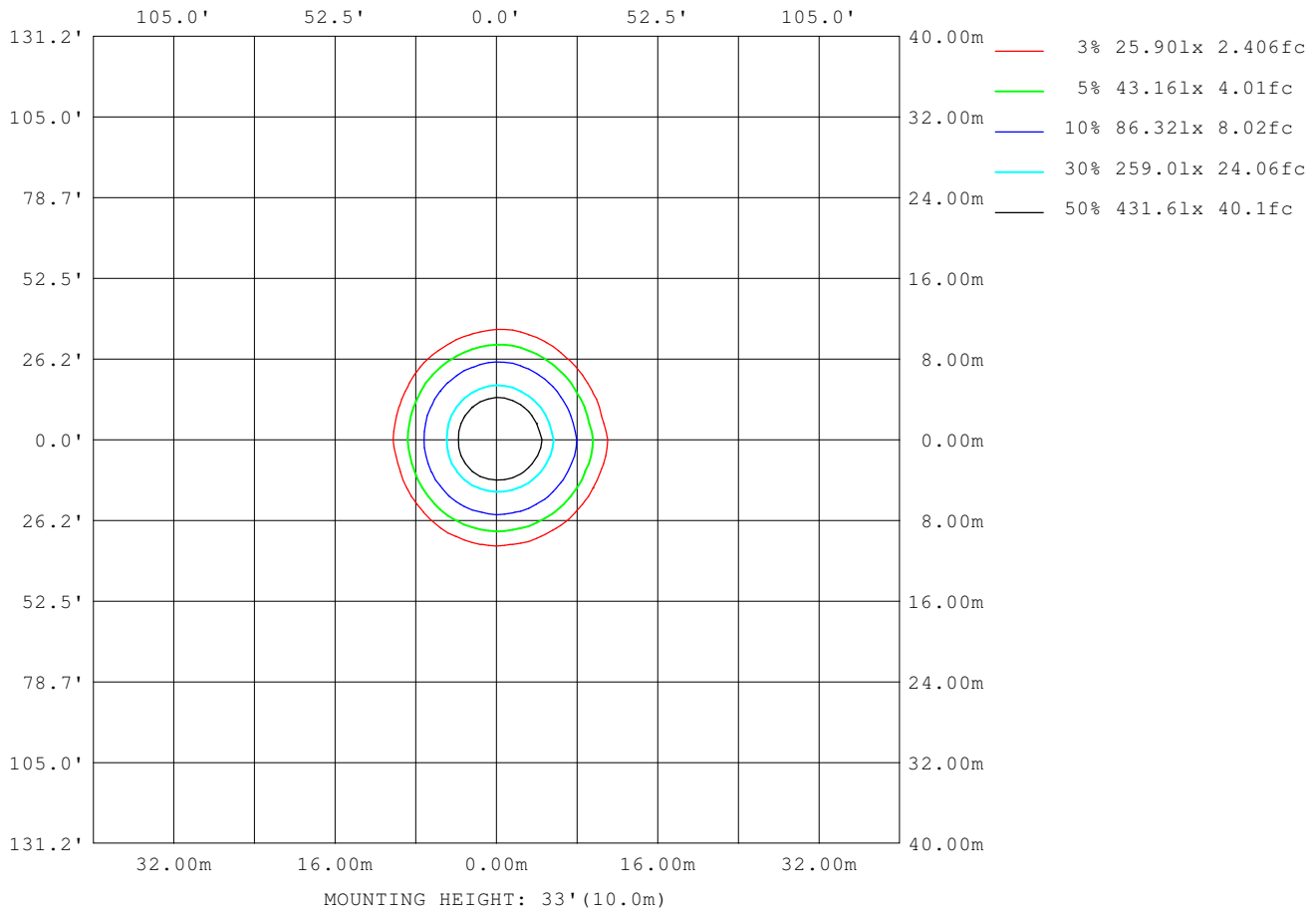


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Remarks: KYH-XL 625W 4000K

ISOLUX DIAGRAM

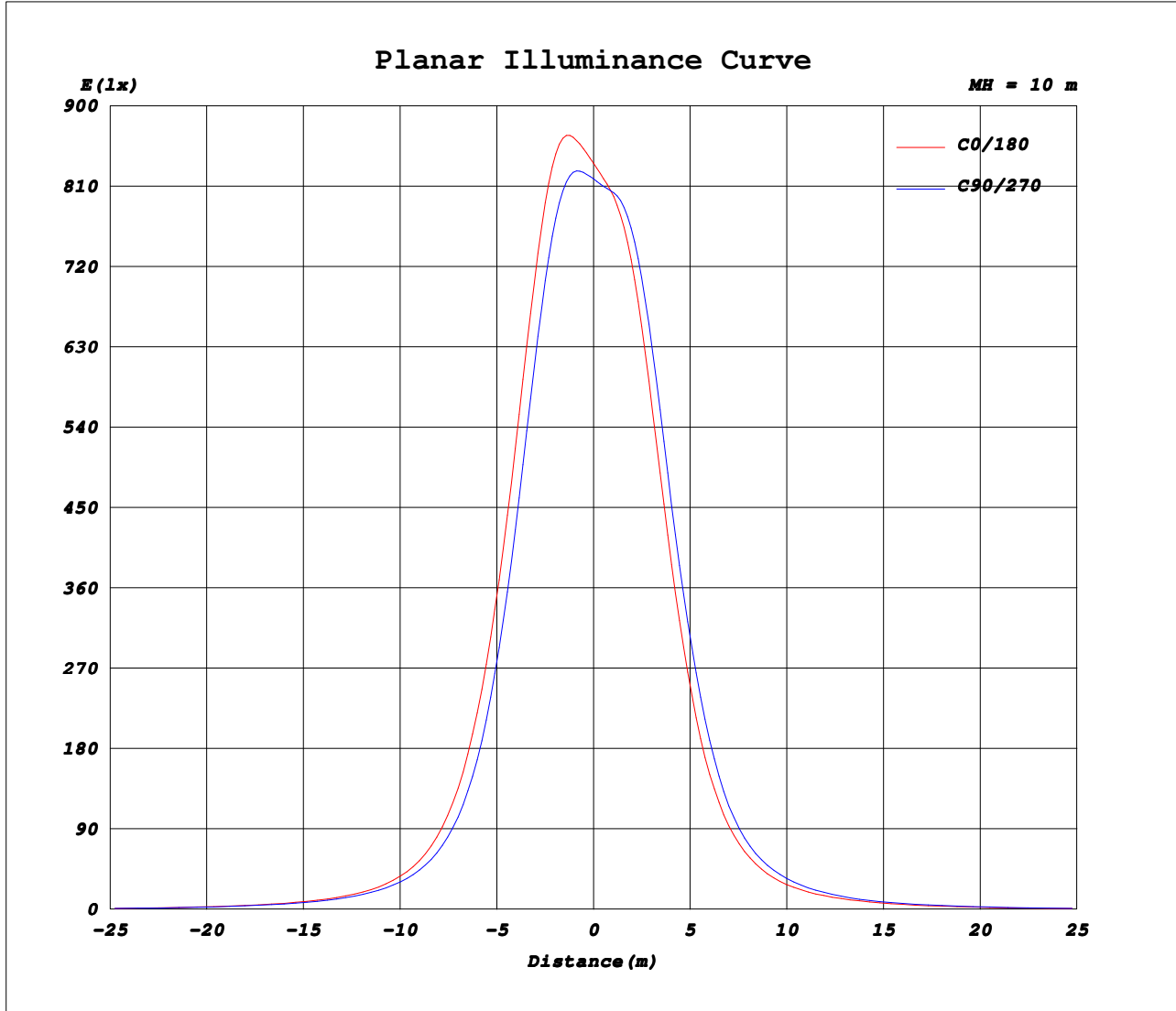
Test:U:230.45V I:0A P:0W PF:0.0000 Freq:0Hz Lamp Flux:77417.4x1 lm		
NAME: KYH-XL	TYPE:OUTDOOR	WEIGHT:27 kg
SPEC.:625 WATT	DIM.: 540X660X70	SERIAL No.:
MFR.: LITPA AYDINLATMA	SUR.:	Shielding Angle:



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Planar Illuminance Curve



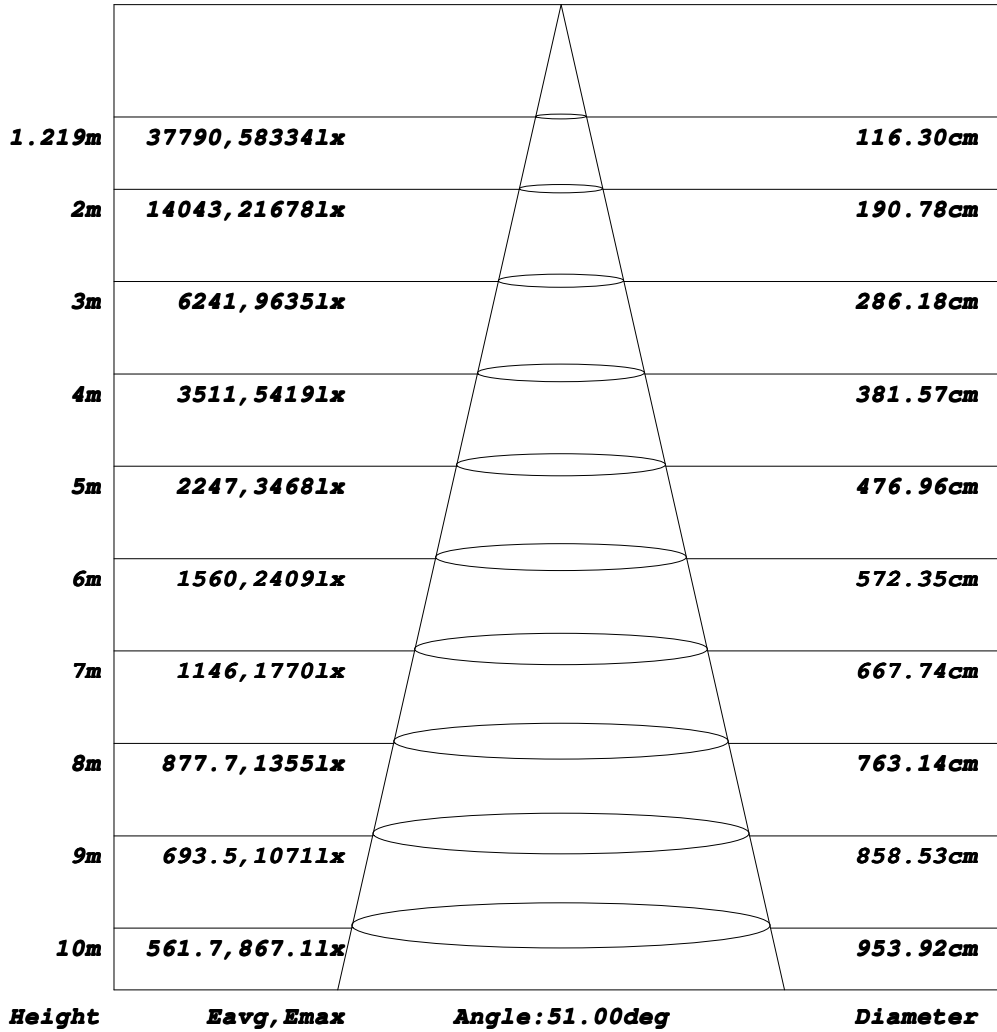
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C Interval: 10.0DEG
Test Speed: HIGH
Temperature: 20DEG
Operators: LITPA
Test Date: 30/09/2021

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

AAI Figure

Test:U:230.45V I:0A P:0W PF:0.0000 Freq:0Hz Lamp Flux:77417.4x1 lm		
NAME: KYH-XL	TYPE:OUTDOOR	WEIGHT:27 kg
SPEC.:625 WATT	DIM.: 540X660X70	SERIAL No.:
MFR.: LITPA AYDINLATMA	SUR.:	Shielding Angle:

Flux out:41980 lm



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: 30/09/2021

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 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

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:230.45V I:0A P:0W PF:0.0000 Freq:0Hz Lamp Flux:77417.4x1 lm		
NAME: KYH-XL	TYPE:OUTDOOR	WEIGHT:27 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	0.59	0.54	0.49	0.49	0.48	0.49	0.49	0.49	0.49	0.50	0.51	0.51	0.52	0.52	0.53	0.53	0.54	0.54	0.54
-85	0.59	0.54	0.52	0.71	0.98	1.39	2.01	2.51	3.09	3.85	4.58	5.36	6.25	6.68	6.97	7.38	7.67	7.98	8.18
-80	0.59	0.55	0.90	1.82	3.08	4.85	7.40	10.3	13.5	17.6	22.1	25.9	29.6	32.4	34.9	36.9	38.4	39.9	40.8
-75	0.59	0.69	1.76	3.70	7.12	12.8	19.7	27.0	34.9	44.3	54.2	63.1	71.1	77.9	83.3	87.9	91.1	94.1	95.9
-70	0.59	0.89	2.93	7.01	14.5	24.6	37.0	50.7	65.1	80.3	98.0	114	127	138	148	155	161	166	169
-65	0.59	1.17	4.45	12.2	24.0	39.9	58.8	79.1	100	123	149	173	194	213	228	242	252	259	262
-60	0.59	1.66	6.55	18.4	35.4	57.9	83.3	111	139	169	204	239	270	300	322	341	357	366	369
-55	0.59	2.13	9.36	25.5	48.7	76.9	110	144	180	218	262	309	350	386	414	440	463	478	484
-50	0.59	2.65	12.5	33.1	62.4	97.3	136	178	222	270	325	380	430	479	524	565	603	629	640
-45	0.59	3.17	15.9	41.3	76.1	118	163	212	267	326	388	452	520	596	673	741	807	852	870
-40	0.59	3.65	19.7	49.7	90.1	137	189	247	312	383	453	533	635	759	893	1016	1126	1203	1247
-35	0.59	4.18	23.1	57.8	104	156	215	280	357	436	525	635	792	995	1223	1456	1660	1801	1888
-30	0.59	4.79	26.2	65.4	116	174	239	314	399	490	609	773	1005	1332	1733	2150	2510	2780	2909
-25	0.59	5.32	28.9	72.5	127	190	261	346	437	546	704	946	1288	1782	2438	3142	3735	4153	4356
-20	0.59	5.75	31.7	78.7	138	205	280	374	472	602	804	1133	1658	2362	3289	4310	5178	5746	6006
-15	0.59	6.09	33.8	84.2	148	219	301	394	504	656	908	1317	2004	2987	4174	5437	6553	7190	7473
-10	0.59	6.33	35.4	88.3	156	231	319	417	533	706	999	1511	2316	3480	4908	6364	7434	8067	8285
-5	0.59	6.47	36.4	91.1	162	240	331	436	562	756	1086	1646	2551	3835	5375	6831	7797	8180	8369
0	0.59	6.52	36.8	92.5	165	246	339	447	581	789	1132	1704	2623	3949	5475	6921	7824	8152	8359
5	0.59	6.49	36.5	91.4	162	241	333	439	570	768	1096	1648	2552	3840	5349	6828	7809	8163	8145
10	0.59	6.36	35.6	88.8	157	233	321	423	547	726	1031	1540	2364	3550	4935	6360	7466	7959	8126
15	0.59	6.13	34.0	84.8	150	222	305	402	520	683	947	1385	2067	3039	4277	5540	6591	7279	7574
20	0.59	5.81	31.9	79.6	140	209	286	379	488	628	842	1176	1695	2476	3463	4466	5337	5992	6319
25	0.59	5.39	29.2	73.6	129	194	266	352	450	568	734	987	1374	1918	2586	3324	4005	4502	4743
30	0.59	4.88	26.4	66.6	118	178	244	320	408	509	635	825	1092	1426	1845	2317	2768	3110	3279
35	0.59	4.28	23.2	58.8	105	160	218	287	364	449	553	686	860	1068	1312	1577	1829	2031	2113
40	0.59	3.76	19.7	50.7	92.0	140	193	253	318	394	480	574	687	813	950	1104	1242	1343	1392
45	0.59	3.28	16.0	42.3	78.2	120	167	217	273	339	409	481	555	629	714	809	882	940	982
50	0.59	2.76	13.0	34.0	64.5	99.5	140	183	231	285	342	399	451	499	553	611	651	688	718
55	0.59	2.24	9.95	26.3	50.4	79.6	113	149	190	234	278	322	362	397	435	468	493	515	534
60	0.59	1.74	6.85	19.0	37.2	60.3	86.7	116	149	184	218	252	281	308	335	360	377	392	403
65	0.59	1.22	4.75	12.9	25.7	42.1	61.8	84.4	110	136	161	186	207	228	247	263	276	286	293
70	0.59	0.92	3.22	7.68	15.7	26.6	39.4	55.4	73.6	90.8	109	126	142	156	169	180	189	193	196
75	0.59	0.72	1.96	4.25	8.15	14.0	21.4	30.6	41.4	51.8	62.0	73.0	84.1	92.8	99.9	107	114	116	117
80	0.59	0.57	0.97	2.17	3.74	5.87	8.75	12.8	17.7	22.2	26.6	32.1	37.8	41.8	45.3	49.3	52.8	54.5	55.4
85	0.59	0.57	0.57	0.83	1.35	1.97	2.65	3.47	4.57	5.63	6.64	8.13	9.74	10.9	11.8	13.1	14.3	14.8	15.2
90	0.59	0.58	0.57	0.57	0.56	0.56	0.56	0.56	0.56	0.56	0.57	0.61	0.65	0.75	0.84	0.91	0.98	1.11	1.23

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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	0.54	0.54	0.55	0.55	0.55	0.55	0.58	0.62	0.73	0.84	0.95	1.05	1.25	1.45	1.72	1.99	2.12	2.26	
-85	8.39	8.48	8.74	8.82	8.79	8.47	8.01	7.65	7.09	6.39	5.97	5.55	4.73	4.13	3.73	3.23	2.74	2.26	
-80	40.9	40.4	40.2	39.2	37.1	34.7	32.2	29.3	25.5	22.0	19.0	15.6	12.3	9.28	6.93	5.01	3.36	2.26	
-75	96.3	95.2	93.6	90.3	85.6	79.6	73.3	66.1	57.3	48.5	40.3	32.3	24.3	17.0	12.1	7.56	4.21	2.26	
-70	169	166	163	157	148	138	128	114	98.3	82.9	68.4	53.9	40.0	27.9	18.6	10.8	5.17	2.26	
-65	258	251	245	235	220	205	189	168	145	122	100	79.2	58.6	41.2	26.9	14.8	6.22	2.26	
-60	362	351	343	326	302	281	258	228	196	165	136	106	79.2	55.9	36.1	19.2	7.55	2.26	
-55	475	462	450	426	395	367	334	292	249	210	172	135	101	71.8	46.2	24.3	8.82	2.26	
-50	628	609	587	544	500	462	416	363	309	257	209	164	123	88.4	56.8	29.5	10.3	2.26	
-45	854	825	780	705	638	575	506	438	373	308	248	195	147	105	67.5	34.6	11.8	2.26	
-40	1220	1171	1082	951	837	722	611	520	440	362	289	223	170	122	78.0	39.8	13.1	2.26	
-35	1845	1752	1565	1340	1139	927	748	616	511	415	329	255	194	138	88.0	44.8	14.5	2.26	
-30	2871	2677	2335	1955	1561	1202	939	735	584	468	370	287	215	154	97.3	49.6	15.9	2.26	
-25	4300	3992	3457	2812	2144	1597	1182	876	666	521	412	317	236	168	106	53.8	17.1	2.26	
-20	5926	5498	4783	3863	2913	2109	1466	1032	755	578	451	344	255	180	113	57.7	18.1	2.26	
-15	7422	6984	6107	4984	3766	2630	1763	1204	853	632	486	369	271	190	120	60.7	18.8	2.26	
-10	8342	8060	7304	6027	4521	3161	2104	1387	947	680	514	389	284	199	125	63.1	19.4	2.26	
-5	8580	8686	8109	6803	5166	3598	2353	1519	1015	716	534	403	294	205	129	64.6	19.8	2.26	
0	8711	8973	8486	7157	5437	3796	2469	1582	1052	737	545	411	300	209	130	65.3	19.9	2.26	
5	8362	8488	7872	6528	4842	3412	2236	1447	979	695	522	396	290	202	127	63.8	19.6	2.26	
10	8175	8027	7220	5871	4407	3055	2003	1288	880	640	491	376	275	193	122	61.5	19.0	2.26	
15	7537	7042	6170	4948	3675	2584	1754	1168	809	596	455	350	257	182	115	58.5	18.2	2.26	
20	6200	5650	4843	3919	2918	2050	1427	1010	732	554	430	324	238	169	108	54.7	17.3	2.26	
25	4636	4217	3585	2873	2195	1604	1144	848	648	508	401	300	220	154	98.8	50.3	16.2	2.26	
30	3198	2920	2495	2035	1598	1231	933	712	566	458	365	275	202	140	88.9	45.7	14.9	2.26	
35	2094	1933	1702	1434	1162	942	753	605	492	406	323	248	183	127	78.6	40.7	13.5	2.26	
40	1387	1307	1180	1035	876	732	615	516	429	352	280	219	163	113	68.2	35.4	12.1	2.26	
45	977	933	859	772	677	583	507	437	369	296	240	189	142	97.6	58.7	30.0	10.7	2.26	
50	715	691	645	592	534	474	419	366	306	249	201	159	121	82.2	49.2	25.0	9.19	2.26	
55	533	520	492	459	423	384	341	293	248	204	162	130	97.4	66.8	39.9	20.0	7.80	2.26	
60	403	396	378	356	330	298	263	228	194	160	129	101	76.0	51.9	30.8	15.1	6.62	2.26	
65	293	289	275	259	238	216	194	169	144	120	95.2	73.9	55.5	38.0	22.7	11.3	5.40	2.26	
70	194	190	181	171	159	145	131	115	98.6	81.3	64.7	49.4	37.0	25.6	15.1	8.03	4.48	2.26	
75	116	113	108	102	94.4	85.7	76.9	67.4	58.4	48.9	38.1	28.6	21.9	15.3	9.46	5.40	3.68	2.26	
80	55.1	54.0	51.6	48.5	44.5	40.2	35.5	30.7	26.6	22.6	17.7	13.2	10.5	7.87	5.30	3.56	2.92	2.26	
85	15.1	14.8	14.2	13.4	12.2	10.8	9.69	8.54	7.68	6.65	5.35	4.39	3.86	3.46	2.92	2.35	2.29	2.26	
90	1.18	1.12	1.10	1.07	0.97	0.88	0.89	0.91	0.92	0.93	0.91	0.89	0.94	1.00	1.02	1.04	1.65	2.26	

C Range: 0 - 360DEG

C Interval: 10.0DEG

Test Speed: HIGH

Temperature: 20DEG

Operators: LITPA

Test Date: 30/09/2021

 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