

Floodlight Summary:

Report based on lamp delivering 1000 lumens.

Maximum Intensity	471.2 cd per klm.
(Luminaire orientation as tested.)	0.0 degrees vertical
	0.0 degrees horizontal

Beam Spread	At 10% of Imax	121.8V x 114.8H
	At 50% of Imax	109.8V x 97.8H
	At 90% of Imax	101.5V x 87.8H

Beam Flux	Total	1000.0 lumens per klm.
	To 10% of Imax	958.2 lumens per klm.
	To 50% of Imax	884.9 lumens per klm.
	To 90% of Imax	183.5 lumens per klm.

Upward LOR	0.0 %
Downward LOR	100.0 %

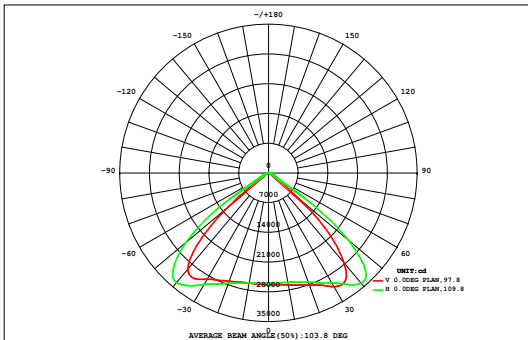
Luminaire Efficiency (Light Output Ratio)	100.0 %
---	---------

C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature: 20DEG
Operators: LITPA
Test Date: 04/10/2021

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 550W 4000K

LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:230.50V I:0A P:0W PF:0.0000 Freq:50.01Hz Lamp Flux:75196.3x1 lm		
NAME: KYH-XL	TYPE:OUTDOOR	WEIGHT:27 kg
SPEC.:550 WATT	DIM.: 540X660X70	SERIAL No.:
MFR.: LITPA AYDINLATMA	SUR.:	Shielding Angle:



DATA OF LAMP		PHOTOMETRIC DATA	
MODEL	KYH-XL	Imax (cd)	35435
NOMINAL POWER (W)	550	AVAILABILITY (%)	95.8
RATED VOLTAGE (V)	230.0	Avai. FLUX (lm)	72070
NOMINAL FLUX (lm)	75196.3	LOR (%)	100.0
LAMPS INSIDE	1	TOTAL FLUX (lm)	75196
TEST VOLTAGE (V)	230	θ @50% (H, V)	98,110DEG

VERTICAL (DEG)	AREA FLUX DIAGRAM																UNIT:lm		Φ t	Φ a	
	0.02	0.08	0.22	0.52	1.06	1.78	2.60	3.37	3.82	3.96	3.66	2.91	2.10	1.39	0.76	0.34	0.13	0.03	28.7	0.00	
80	0.03	0.29	1.46	3.97	7.94	12.7	17.6	21.7	23.8	24.4	22.2	17.9	13.5	8.95	4.80	2.02	0.52	0.06	184	0.00	
70	0.05	0.90	4.38	11.1	20.2	30.6	43.2	50.3	57.8	60.4	65.3	41.8	29.5	20.2	11.6	5.14	1.40	0.11	474	49.7	
60	0.09	1.82	8.15	18.9	33.9	65.9	229	282	381	528	450	209	60.6	31.8	18.8	8.71	2.46	0.19	2330	2051	
50	0.14	2.83	11.7	26.8	65.7	275	674	825	901	993	946	689	242	54.8	26.1	12.2	3.55	0.29	5749	5568	
40	0.21	3.79	14.7	36.8	197	607	885	979	979	984	981	886	538	131	35.1	15.4	4.61	0.40	7279	7144	
30	0.28	4.60	17.4	49.4	332	758	896	893	881	876	872	855	696	277	48.7	18.4	5.52	0.49	7480	7364	
	0.33	5.20	19.3	61.6	394	774	845	832	822	815	808	798	739	414	70.9	20.6	6.20	0.56	7426	7320	
	0.36	5.50	20.2	70.0	421	765	812	806	800	789	779	767	744	483	87.6	21.9	6.58	0.60	7378	7274	
	0.36	5.43	19.7	66.8	414	750	791	788	788	794	787	778	756	497	89.3	22.0	6.62	0.60	7355	7250	
	0.32	4.99	18.2	53.0	337	713	805	807	811	812	812	812	780	475	76.1	21.0	6.30	0.56	7345	7237	
	0.26	4.29	16.0	40.2	205	627	840	868	870	870	872	871	802	405	53.8	18.8	5.68	0.50	7370	7250	
-30	0.19	3.41	13.3	31.0	89.3	412	798	952	979	970	970	914	685	251	37.3	15.9	4.77	0.40	7127	6987	
-40	0.12	2.48	10.4	23.7	44.7	144	521	811	943	914	844	690	313	72.0	27.2	12.6	3.68	0.30	5377	5188	
-50	0.07	1.56	7.16	16.8	28.7	45.5	107	266	388	312	242	193	62.2	33.4	19.6	8.99	2.52	0.20	1735	1388	
-60	0.04	0.72	3.91	9.60	17.4	26.0	34.3	44.0	51.6	47.9	43.9	38.9	29.3	20.1	11.9	5.22	1.41	0.12	386	0.00	
-70	0.02	0.20	1.18	3.35	6.65	10.6	14.0	16.9	19.0	19.4	18.2	15.5	12.1	8.22	4.62	2.01	0.55	0.06	153	0.00	
-80	0.01	0.05	0.15	0.35	0.71	1.21	1.63	1.96	2.30	2.47	2.34	2.03	1.64	1.18	0.72	0.36	0.15	0.04	19.3	0.00	
-90																					
	-90	-80	-70	-60	-50	-40	-30	-20	HORIZONTAL (DEG)	20	30	40	50	60	70	80	90				
Φ t	2.88	48.1	187	524	2618	6020	8317	9246	9702	9837	9519	8579	6507	3185	625	212	62.7	5.53	75196	---	
Φ a	0.00	0.00	0.00	152	2373	5814	8146	9072	9534	9672	9353	8414	6313	2957	269	0.00	0.00	0.00	---	72070	

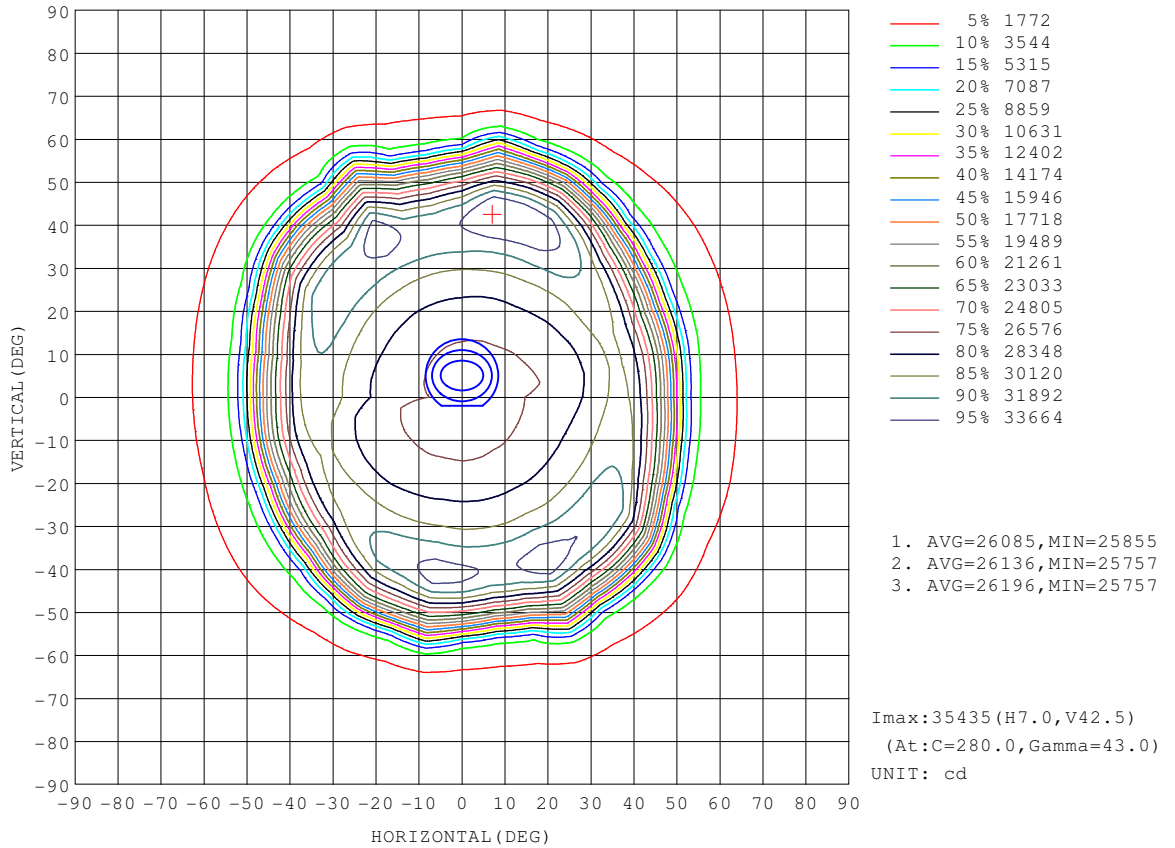
one-half-peak spread: U:13.3,D:15.6 , L:15.2,R:12.7 NEMA Beam Type: Type 6

C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature: 20DEG
Operators: LITPA
Test Date: 04/10/2021

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 550W 4000K

ISOCANDELA DIAGRAM

Test:U:230.50V I:0A P:0W PF:0.0000 Freq:50.01Hz Lamp Flux:75196.3x1 lm		
NAME: KYH-XL	TYPE:OUTDOOR	WEIGHT:27 kg
SPEC.:550 WATT	DIM.: 540X660X70	SERIAL No.:
MFR.: LITPA AYDINLATMA	SUR.:	Shielding Angle:

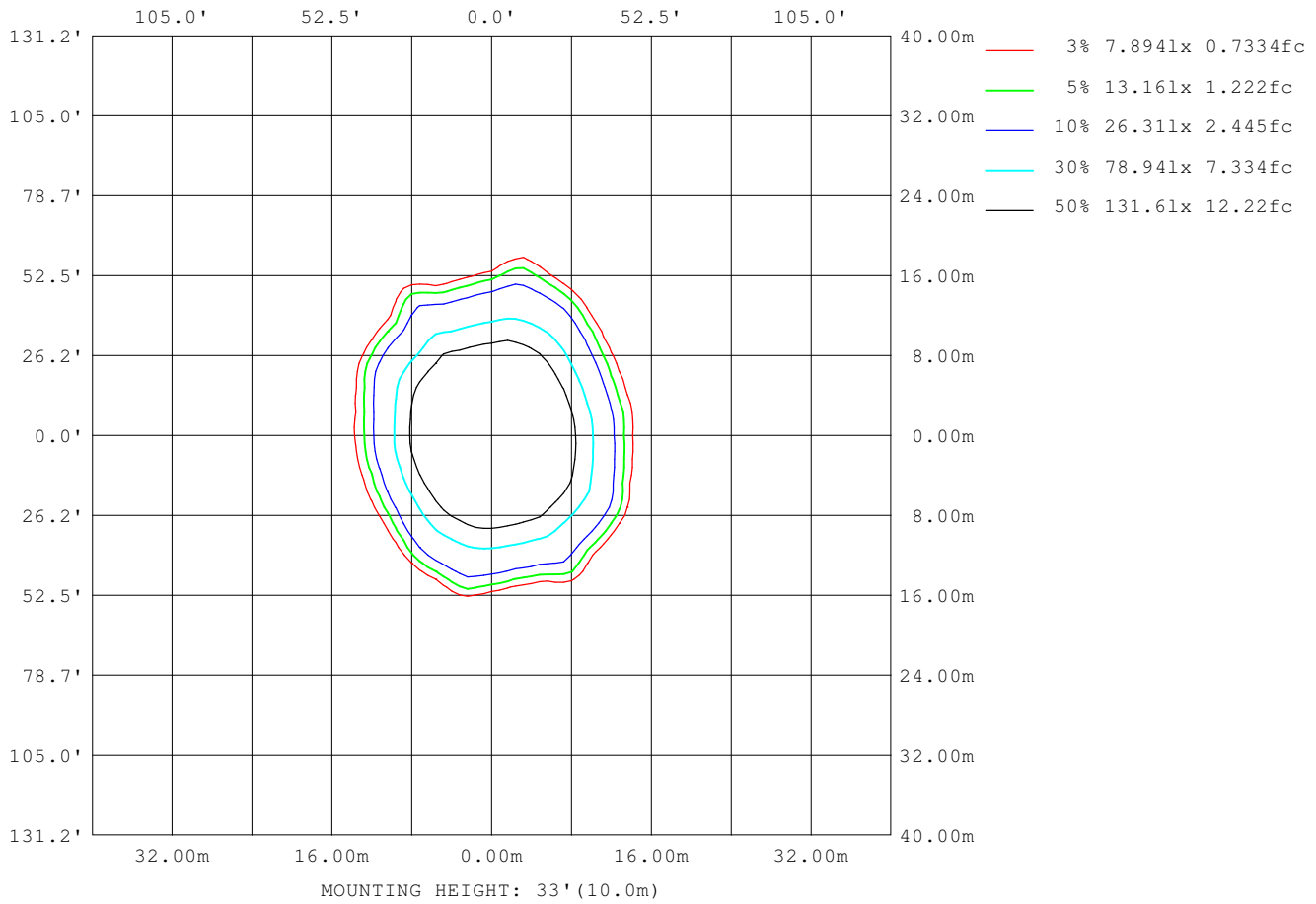


C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature: 20DEG
Operators: LITPA
Test Date: 04/10/2021

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 550W 4000K

ISOLUX DIAGRAM

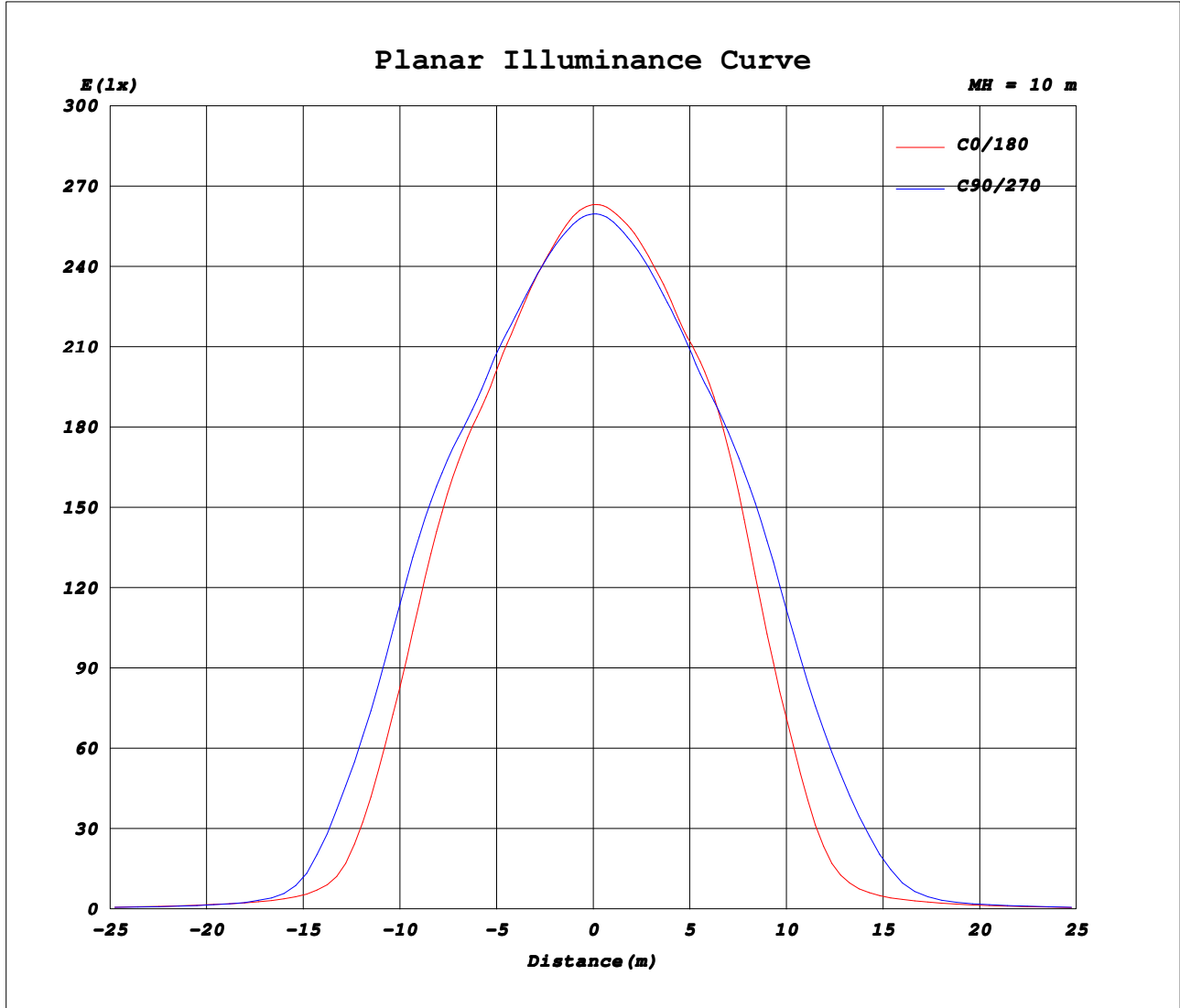
Test:U:230.50V I:0A P:0W PF:0.0000 Freq:50.01Hz Lamp Flux:75196.3x1 lm		
NAME: KYH-XL	TYPE:OUTDOOR	WEIGHT:27 kg
SPEC.:550 WATT	DIM.: 540X660X70	SERIAL No.:
MFR.: LITPA AYDINLATMA	SUR.:	Shielding Angle:



C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature: 20DEG
Operators: LITPA
Test Date: 04/10/2021

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 550W 4000K

Planar Illuminance Curve



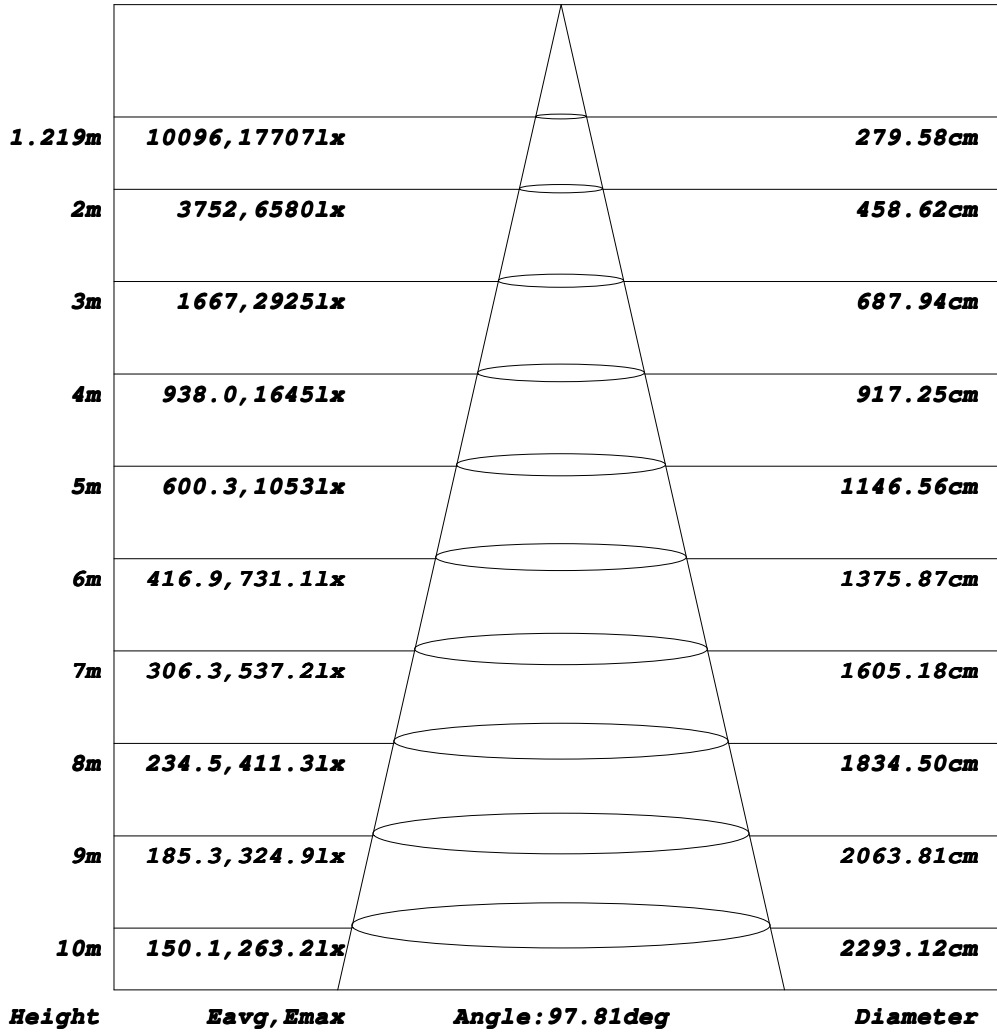
C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature: 20DEG
Operators: LITPA
Test Date: 04/10/2021

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 550W 4000K

AAI Figure

Test:U:230.50V I:0A P:0W PF:0.0000 Freq:50.01Hz Lamp Flux:75196.3x1 lm		
NAME: KYH-XL	TYPE:OUTDOOR	WEIGHT:27 kg
SPEC.:550 WATT	DIM.: 540X660X70	SERIAL No.:
MFR.: LITPA AYDINLATMA	SUR.:	Shielding Angle:

Flux out:62392 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:04/10/2021

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 550W 4000K

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:230.50V I:0A P:0W PF:0.0000 Freq:50.01Hz Lamp Flux:75196.3x1 lm		
NAME: KYH-XL	TYPE:OUTDOOR	WEIGHT:27 kg
SPEC.:550 WATT	DIM.: 540X660X70	SERIAL No.:
MFR.: LITPA AYDINLATMA	SUR.:	Shielding Angle:

Table--1

UNIT: $\mu\text{A}10\text{cd}$

H (DEG) \ V (DEG)	-90	-85	-80	-75	-70	-65	-60	-55	-50	-45	-40	-35	-30	-25	-20	-15	-10	-5	0
-90	0.51	0.48	0.44	0.43	0.43	0.44	0.45	0.45	0.46	0.48	0.49	0.51	0.52	0.53	0.54	0.54	0.55	0.55	0.55
-85	0.51	0.48	0.43	0.55	0.71	0.91	1.20	1.43	1.68	2.04	2.41	2.82	3.34	3.59	3.74	3.95	4.11	4.63	5.09
-80	0.51	0.48	0.65	1.10	1.74	2.66	4.12	6.13	8.41	11.1	14.0	16.3	18.1	19.7	21.1	22.5	23.5	25.2	26.5
-75	0.51	0.61	1.05	1.96	4.04	7.98	12.9	18.1	23.5	29.9	36.5	41.2	45.6	50.3	53.9	57.6	60.5	62.6	63.8
-70	0.51	0.79	1.58	3.70	9.72	17.8	26.2	34.7	43.8	54.0	65.2	73.1	79.8	85.8	90.9	96.9	102	105	106
-65	0.51	0.98	2.32	7.11	17.6	29.6	41.1	53.9	68.1	81.3	93.3	104	114	123	131	142	155	158	155
-60	0.51	1.21	3.42	11.8	26.5	41.5	57.4	75.7	91.3	106	121	135	150	171	191	230	307	309	263
-55	0.51	1.42	5.33	17.2	34.9	54.1	75.1	95.7	115	132	150	170	210	289	431	727	1199	1275	1082
-50	0.51	1.71	7.66	22.6	43.8	67.0	91.1	115	139	161	191	249	411	935	1569	2017	2361	2481	2432
-45	0.51	2.03	10.3	28.1	52.1	79.8	105	134	164	197	260	448	1076	2009	2536	2821	3089	3229	3222
-40	0.51	2.33	13.4	33.7	60.3	90.8	119	154	191	253	398	986	1964	2625	3057	3242	3373	3420	3390
-35	0.51	2.70	16.6	39.6	68.9	102	135	173	226	345	768	1675	2458	2965	3229	3278	3266	3247	3201
-30	0.51	3.16	20.0	45.2	76.6	111	150	194	272	503	1368	2229	2768	3096	3162	3120	3055	3017	2990
-25	0.51	3.57	23.1	50.2	83.9	121	164	215	336	821	1889	2575	2974	3086	3032	2934	2886	2870	2856
-20	0.51	3.94	25.6	54.6	90.5	130	174	242	422	1208	2198	2800	3036	3016	2892	2817	2771	2744	2734
-15	0.51	4.24	27.7	58.3	96.3	138	187	267	553	1601	2451	2922	3027	2919	2801	2740	2691	2671	2660
-10	0.51	4.49	29.4	61.3	101	145	198	294	710	1893	2648	3015	3006	2849	2754	2686	2644	2619	2615
-5	0.51	4.67	30.7	63.4	104	149	206	315	834	1996	2744	3071	3013	2839	2741	2667	2615	2591	2598
0	0.51	4.77	31.5	64.8	106	152	212	325	882	2018	2767	3128	3091	2911	2811	2732	2676	2644	2631
5	0.51	4.74	31.0	64.3	105	152	212	325	889	2014	2773	3135	3099	2921	2819	2732	2673	2631	2605
10	0.51	4.63	30.1	63.0	104	150	209	313	810	1929	2745	3154	3149	2974	2862	2764	2699	2652	2629
15	0.51	4.45	28.8	60.8	101	146	203	294	737	1884	2715	3175	3214	3056	2920	2824	2748	2704	2684
20	0.51	4.19	27.0	57.7	96.3	140	193	277	635	1755	2644	3184	3289	3164	3001	2908	2833	2784	2762
25	0.51	3.85	24.8	53.9	90.4	131	180	255	492	1549	2531	3137	3315	3269	3148	3021	2944	2898	2882
30	0.51	3.45	21.8	49.3	83.3	122	166	229	393	1243	2297	2883	3237	3326	3295	3195	3110	3050	3025
35	0.51	2.97	18.5	44.0	76.2	112	151	200	298	814	1800	2496	2946	3251	3440	3359	3278	3246	3242
40	0.51	2.60	15.4	38.2	67.7	101	135	174	232	413	1092	1918	2462	3016	3436	3313	3296	3320	3372
45	0.51	2.28	12.2	32.3	58.9	89.7	119	151	189	254	463	1043	1764	2539	2888	2822	2919	3035	3167
50	0.51	1.93	9.58	26.4	49.3	76.8	102	129	158	193	251	380	938	1836	1999	1998	2180	2357	2526
55	0.51	1.63	7.08	20.4	39.3	62.1	85.0	107	131	155	181	216	409	868	827	802	996	1236	1453
60	0.51	1.41	4.88	14.7	29.5	47.0	66.3	85.4	104	124	142	161	201	254	258	253	281	325	370
65	0.51	1.18	3.28	9.59	20.2	32.8	46.8	62.8	79.2	93.4	107	122	138	151	158	165	172	178	183
70	0.51	0.96	2.20	5.56	12.2	20.2	29.1	39.8	52.5	64.3	74.8	84.8	94.1	103	110	116	122	124	126
75	0.51	0.73	1.51	2.89	6.03	10.4	15.4	21.6	28.2	35.0	42.0	50.0	57.8	63.8	69.2	73.7	77.5	78.0	77.2
80	0.51	0.56	1.01	1.61	2.53	3.94	5.76	8.55	11.7	14.7	17.9	21.3	24.7	27.7	30.7	33.3	35.5	36.0	35.9
85	0.51	0.54	0.60	0.85	1.18	1.42	1.70	2.08	2.66	3.34	3.99	4.96	6.02	6.90	7.75	8.52	9.19	9.50	9.70
90	0.51	0.51	0.51	0.52	0.53	0.54	0.55	0.55	0.55	0.56	0.57	0.63	0.69	0.74	0.80	0.83	0.86	0.89	0.92

C Range: 0 - 360DEG
 C Interval: 10.0DEG
 Test Speed: HIGH
 Temperature: 20DEG
 Operators: LITPA
 Test Date: 04/10/2021

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 550W 4000K

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:230.50V I:0A P:0W PF:0.0000 Freq:50.01Hz Lamp Flux:75196.3x1 lm		
NAME: KYH-XL	TYPE:OUTDOOR	WEIGHT:27 kg
SPEC.:550 WATT	DIM.: 540X660X70	SERIAL No.:
MFR.: LITPA AYDINLATMA	SUR.:	Shielding Angle:

Table--2

UNIT: μ Á10cd

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	0.54	0.55	0.55	0.56	0.56	0.56	0.62	0.68	0.72	0.75	0.79	0.83	0.88	0.93	0.99	1.05
-85	5.11	5.06	5.13	5.11	4.96	4.70	4.54	4.35	3.96	3.49	3.08	2.73	2.23	1.92	1.74	1.51	1.27	1.05
-80	26.5	26.0	25.7	24.9	23.2	21.2	20.1	18.6	15.8	13.4	11.2	8.74	6.61	4.65	3.25	2.23	1.54	1.05
-75	64.0	63.3	62.1	59.9	56.4	52.2	47.7	42.5	36.4	30.7	25.4	20.1	14.7	9.90	6.24	3.51	1.90	1.05
-70	106	104	102	98.8	93.9	87.5	80.9	73.3	64.9	55.5	45.3	34.9	26.1	17.6	10.6	5.42	2.29	1.05
-65	152	148	145	142	138	128	117	105	93.5	80.5	67.7	53.9	39.2	27.1	16.4	7.90	2.77	1.05
-60	242	223	213	217	216	183	154	138	123	106	90.1	72.1	53.8	37.3	22.9	10.9	3.49	1.05
-55	896	706	590	647	647	325	209	177	151	132	112	90.6	68.3	47.8	29.8	14.4	4.17	1.05
-50	2286	2127	1978	1921	1728	917	384	247	192	158	133	108	83.1	58.5	36.8	18.3	5.01	1.05
-45	3118	3035	2950	2889	2596	1981	1211	507	263	192	152	124	97.2	69.2	43.6	22.4	5.91	1.05
-40	3357	3357	3378	3433	3182	2757	2200	1346	497	243	173	138	110	79.4	50.3	26.1	6.73	1.05
-35	3205	3240	3322	3403	3375	3220	2834	2165	1135	328	196	153	122	89.2	56.6	29.6	7.61	1.05
-30	2998	3034	3113	3212	3304	3356	3190	2698	1627	471	222	169	134	98.4	62.1	32.8	8.62	1.05
-25	2867	2904	2961	3028	3157	3288	3322	2899	1935	619	257	186	144	105	67.3	35.6	9.51	1.05
-20	2746	2782	2842	2925	3022	3178	3252	2958	2137	877	295	201	153	110	71.7	38.1	10.3	1.05
-15	2672	2702	2753	2836	2937	3072	3175	2989	2278	1055	329	212	159	115	75.2	40.1	10.9	1.05
-10	2629	2654	2704	2772	2872	2989	3118	2996	2338	1183	363	219	163	118	77.8	41.6	11.3	1.05
-5	2614	2634	2674	2732	2820	2926	3070	2985	2377	1254	382	223	166	119	79.5	42.6	11.6	1.05
0	2629	2632	2661	2711	2789	2887	3033	2956	2345	1223	380	223	167	120	80.2	43.2	11.7	1.05
5	2596	2605	2638	2688	2764	2885	3024	2924	2319	1201	382	223	165	119	79.2	42.5	11.6	1.05
10	2629	2645	2680	2734	2802	2935	3027	2855	2221	1087	367	219	162	116	77.2	41.3	11.3	1.05
15	2683	2704	2739	2800	2879	3011	3016	2714	1993	885	337	210	157	113	74.3	39.7	10.8	1.05
20	2759	2786	2834	2886	2990	3086	2991	2505	1637	619	292	197	150	108	70.3	37.5	10.2	1.05
25	2884	2912	2958	3028	3119	3120	2871	2236	1232	442	254	183	141	101	65.5	35.0	9.41	1.05
30	3028	3056	3126	3216	3239	3078	2620	1820	802	344	219	168	129	94.0	60.0	32.2	8.48	1.05
35	3246	3289	3356	3396	3296	2902	2209	1262	471	265	192	153	117	86.1	54.2	29.0	7.42	1.05
40	3458	3501	3506	3445	3109	2521	1617	665	323	214	169	136	106	77.3	48.3	25.4	6.51	1.05
45	3395	3452	3336	3080	2600	1806	858	358	233	179	148	119	93.7	66.7	42.0	21.6	5.69	1.05
50	2782	2832	2635	2282	1714	846	370	233	179	151	127	103	81.0	56.2	35.5	17.5	4.81	1.05
55	1803	1908	1549	1075	606	322	205	168	144	126	106	87.2	66.2	46.8	29.2	13.8	3.98	1.05
60	680	773	473	299	223	180	150	134	119	104	86.7	69.2	51.9	36.9	22.6	10.6	3.33	1.05
65	217	227	186	161	145	131	118	106	93.8	80.8	65.3	51.0	38.8	28.0	15.9	7.34	2.65	1.05
70	127	126	118	109	102	94.2	85.3	76.6	67.4	55.9	45.0	34.4	26.8	18.3	10.3	4.88	2.19	1.05
75	79.2	79.8	75.0	69.9	65.2	60.0	53.9	47.5	40.8	34.0	26.7	20.0	14.8	9.51	5.75	3.14	1.81	1.05
80	37.5	38.3	35.6	32.7	30.0	27.3	24.6	21.5	18.5	15.5	11.8	8.46	6.34	4.35	2.93	2.01	1.46	1.05
85	9.90	10.00	9.52	8.90	8.05	7.13	6.15	5.20	4.68	3.97	3.07	2.48	2.05	1.74	1.55	1.34	1.21	1.05
90	0.95	0.98	0.97	0.95	0.90	0.84	0.83	0.82	0.81	0.79	0.78	0.76	0.75	0.75	0.79	0.84	0.95	1.05

C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature: 20DEG
Operators: LITPA
Test Date: 04/10/2021

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 550W 4000K