

Floodlight Summary:

Report based on lamp delivering 1000 lumens.

Maximum Intensity	692.7 cd per klm.
(Luminaire orientation as tested.)	0.0 degrees vertical
	0.0 degrees horizontal

Beam Spread	At 10% of Imax	117.7V x 116.9H
	At 50% of Imax	71.7V x 73.7H
	At 90% of Imax	41.5V x 51.7H

Beam Flux	Total	1000.1 lumens per klm.
	To 10% of Imax	924.5 lumens per klm.
	To 50% of Imax	629.1 lumens per klm.
	To 90% of Imax	181.0 lumens per klm.

Upward LOR	0.0 %
Downward LOR	100.0 %

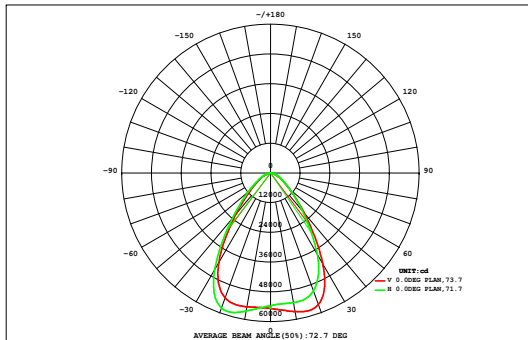
Luminaire Efficiency (Light Output Ratio)	100.0 %
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C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature: 20DEG
Operators: LITPA
Test Date: 17/11/2021

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:0V I:0A P:0W PF:0.0000 Freq:0Hz Lamp Flux:86895.5x1 lm		
NAME: KYH-XL	TYPE:OUTDOOR	WEIGHT:22 kg
SPEC.:750 WATT	DIM.: 540X660X70	SERIAL No.:
MFR.: LITPA AYDINLATMA	SUR.:	Shielding Angle:



DATA OF LAMP		PHOTOMETRIC DATA	
MODEL	KYH-XL	Imax (cd)	60195
NOMINAL POWER (W)	750	AVAILABILITY (%)	92.5
RATED VOLTAGE (V)	230.0	Avai. FLUX (lm)	80364
NOMINAL FLUX (lm)	86895.5	LOR (%)	100.0
LAMPS INSIDE	1	TOTAL FLUX (lm)	86896
TEST VOLTAGE (V)	230	θ @50% (H,V)	74,72DEG

VERTICAL (DEG)	AREA FLUX DIAGRAM																UNIT:lm		Φ t	Φ a
	0.03	0.14	0.42	1.04	2.14	3.65	5.33	6.76	7.61	7.80	7.03	5.72	4.29	2.79	1.52	0.66	0.22	0.05	57.2	0.00
90	0.03	0.14	0.42	1.04	2.14	3.65	5.33	6.76	7.61	7.80	7.03	5.72	4.29	2.79	1.52	0.66	0.22	0.05	57.2	0.00
80	0.06	0.63	2.86	7.81	15.7	25.3	35.3	43.4	48.4	49.6	45.3	37.6	28.0	18.1	9.59	3.80	0.93	0.09	373	0.00
70	0.12	1.84	8.36	21.4	40.6	63.1	87.0	107	120	125	116	98.1	71.5	45.4	24.0	9.79	2.37	0.18	940	0.00
60	0.21	3.63	15.8	38.7	72.5	115	166	213	245	257	233	190	133	81.1	41.9	17.4	4.33	0.31	1828	1139
50	0.33	5.67	23.9	58.1	113	194	304	420	504	523	453	344	221	125	62.4	25.6	6.49	0.46	3385	3037
40	0.46	7.64	31.5	79.2	165	318	546	818	1005	1029	863	602	352	180	85.0	33.6	8.61	0.62	6124	5879
30	0.57	9.32	37.8	99.5	229	484	904	1341	1572	1599	1405	983	527	246	107	40.8	10.4	0.76	9597	9401
20	0.66	10.5	42.4	115	286	665	1239	1645	1751	1782	1707	1315	719	309	125	45.8	11.7	0.87	11769	11593
10	0.70	11.1	44.8	123	317	769	1394	1702	1700	1700	1712	1424	813	336	130	47.7	12.4	0.93	12239	12075
0	0.70	11.1	44.3	119	293	680	1213	1508	1593	1627	1580	1311	765	325	128	47.3	12.4	0.93	11259	11085
-10	0.65	10.4	41.2	105	238	532	1009	1391	1566	1594	1486	1151	647	289	119	45.0	11.8	0.88	10236	10048
-20	0.56	9.12	36.1	88.7	190	392	733	1112	1331	1354	1185	839	474	231	103	40.4	10.6	0.78	8130	7911
-30	0.45	7.39	29.4	71.2	144	267	460	683	830	841	711	505	307	169	82.7	34.0	8.86	0.64	5152	4880
-40	0.32	5.39	22.1	53.7	103	177	276	375	428	427	372	281	190	115	62.0	26.4	6.79	0.49	2921	2522
-50	0.20	3.38	14.6	36.5	68.7	112	161	203	222	217	193	155	114	74.5	42.3	18.2	4.59	0.33	1640	794
-60	0.11	1.66	7.68	20.2	38.6	61.7	85.8	104	111	109	99.3	82.9	63.4	42.6	24.3	10.3	2.55	0.20	866	0.00
-70	0.05	0.55	2.58	7.14	14.2	23.1	32.2	39.2	42.7	42.9	39.5	33.2	25.5	17.1	9.58	4.03	1.02	0.10	335	0.00
-80	0.02	0.11	0.34	0.85	1.69	2.83	4.12	5.07	5.55	5.72	5.35	4.58	3.64	2.58	1.55	0.75	0.26	0.05	45.1	0.00
-90	0.02	0.11	0.34	0.85	1.69	2.83	4.12	5.07	5.55	5.72	5.35	4.58	3.64	2.58	1.55	0.75	0.26	0.05	45.1	0.00
-90 -80 -70 -60 -50 -40 -30 -20 HORIZONTAL (DEG) 20 30 40 50 60 70 80 90																				
Φ t	6.19	99.6	406	1045	2332	4883	8655	11715	13081	13290	12214	9363	5459	2610	1159	451	116	8.68	86896	---
Φ a	0.00	0.00	0.00	389	1851	4449	8248	11317	12688	12899	11816	8966	5045	2161	535	0.00	0.00	0.00	---	80364

one-half-peak spread: U:23.5,D:20.4 , L:20.8,R:23.2

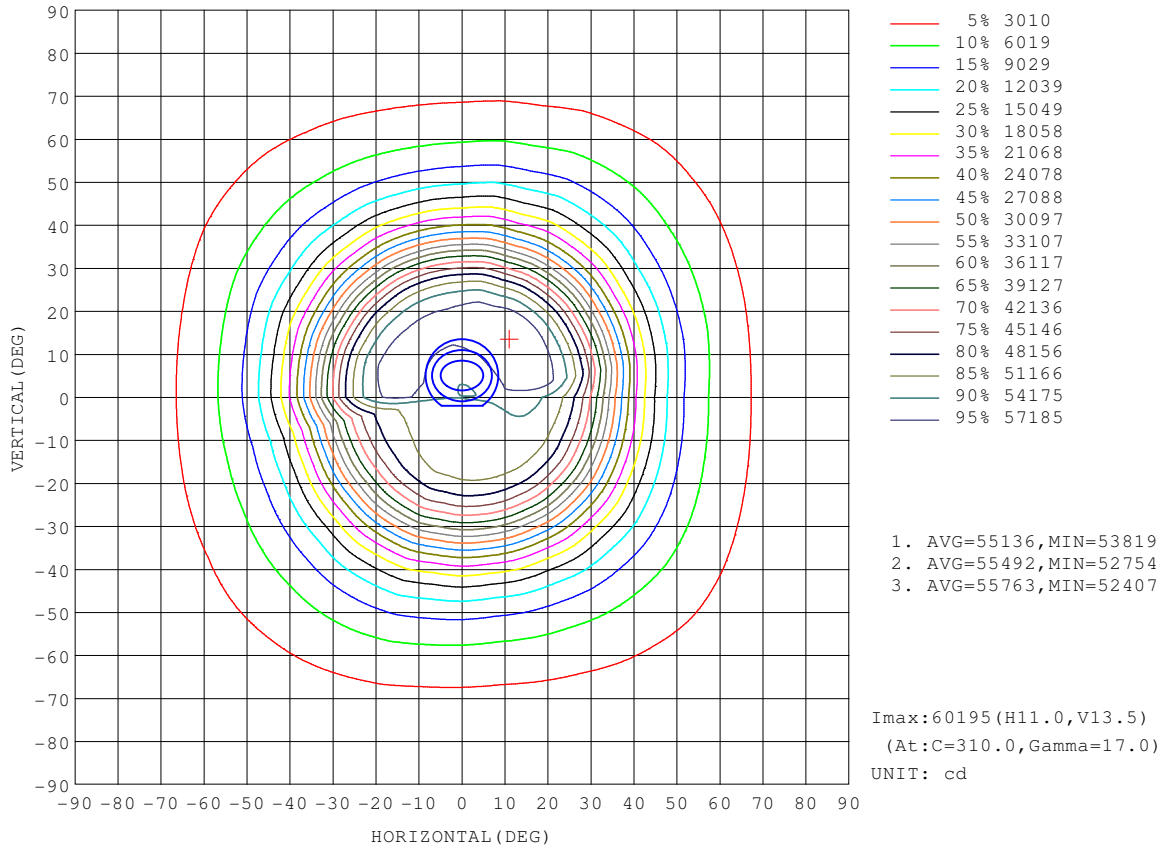
NEMA Beam Type: Type 6

C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature:20DEG
Operators:LITPA
Test Date:17/11/2021

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:0V I:0A P:0W PF:0.0000 Freq:0Hz Lamp Flux:86895.5x1 lm		
NAME: KYH-XL	TYPE:OUTDOOR	WEIGHT:22 kg
SPEC.:750 WATT	DIM.: 540X660X70	SERIAL No.:
MFR.: LITPA AYDINLATMA	SUR.:	Shielding Angle:

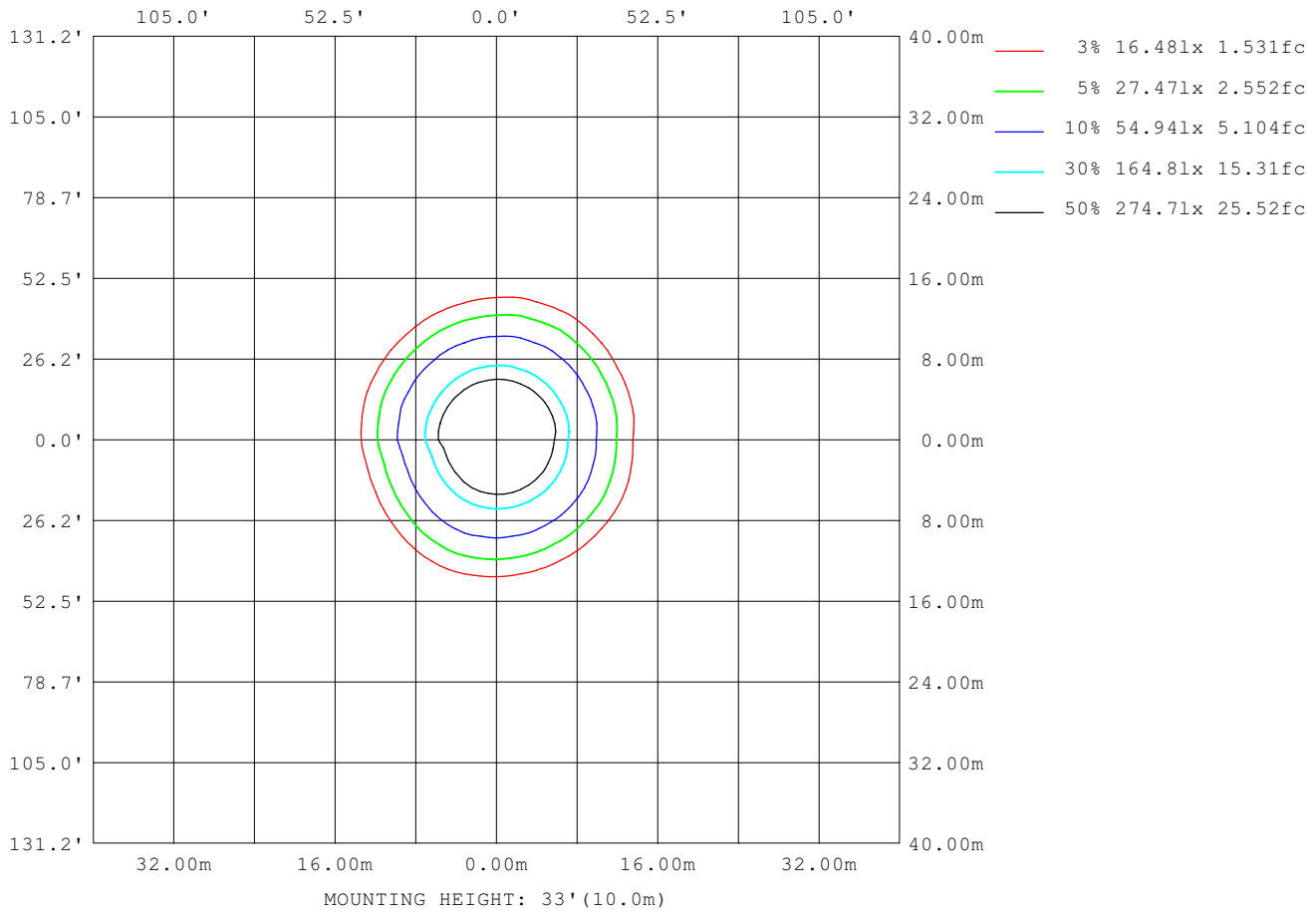


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 Temperature: 20DEG
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 Remarks: KYH-XL 750W 4000K

ISOLUX DIAGRAM

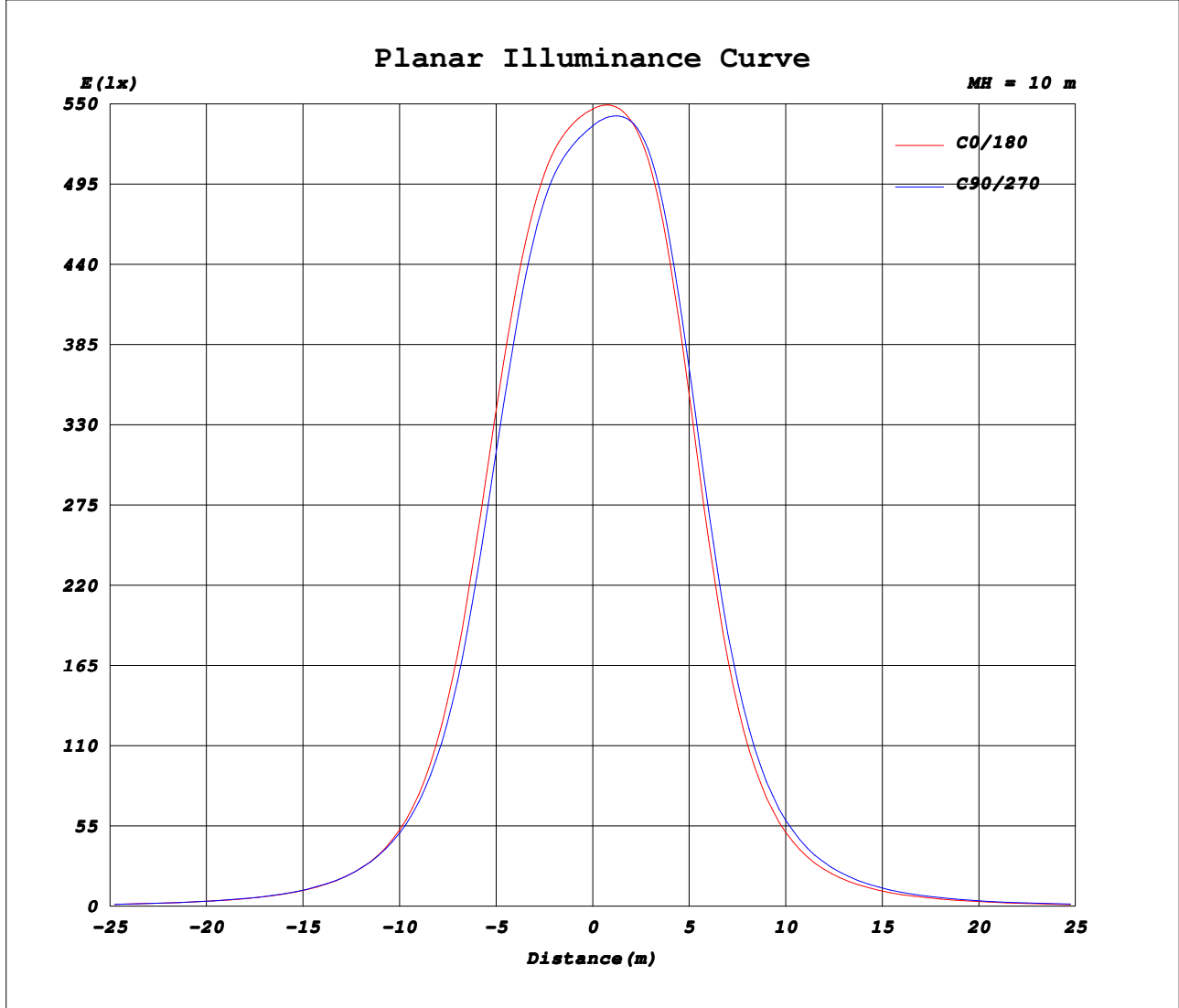
Test:U:0V I:0A P:0W PF:0.0000 Freq:0Hz Lamp Flux:86895.5x1 lm		
NAME: KYH-XL	TYPE:OUTDOOR	WEIGHT:22 kg
SPEC.:750 WATT	DIM.: 540X660X70	SERIAL No.:
MFR.: LITPA AYDINLATMA	SUR.:	Shielding Angle:



C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature: 20DEG
Operators: LITPA
Test Date: 17/11/2021

γ Range: 0 - 90DEG
γ Interval: 1.0DEG
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Humidity: 65.0%
Test Distance: 7.200m [K=1.0000]
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Planar Illuminance Curve



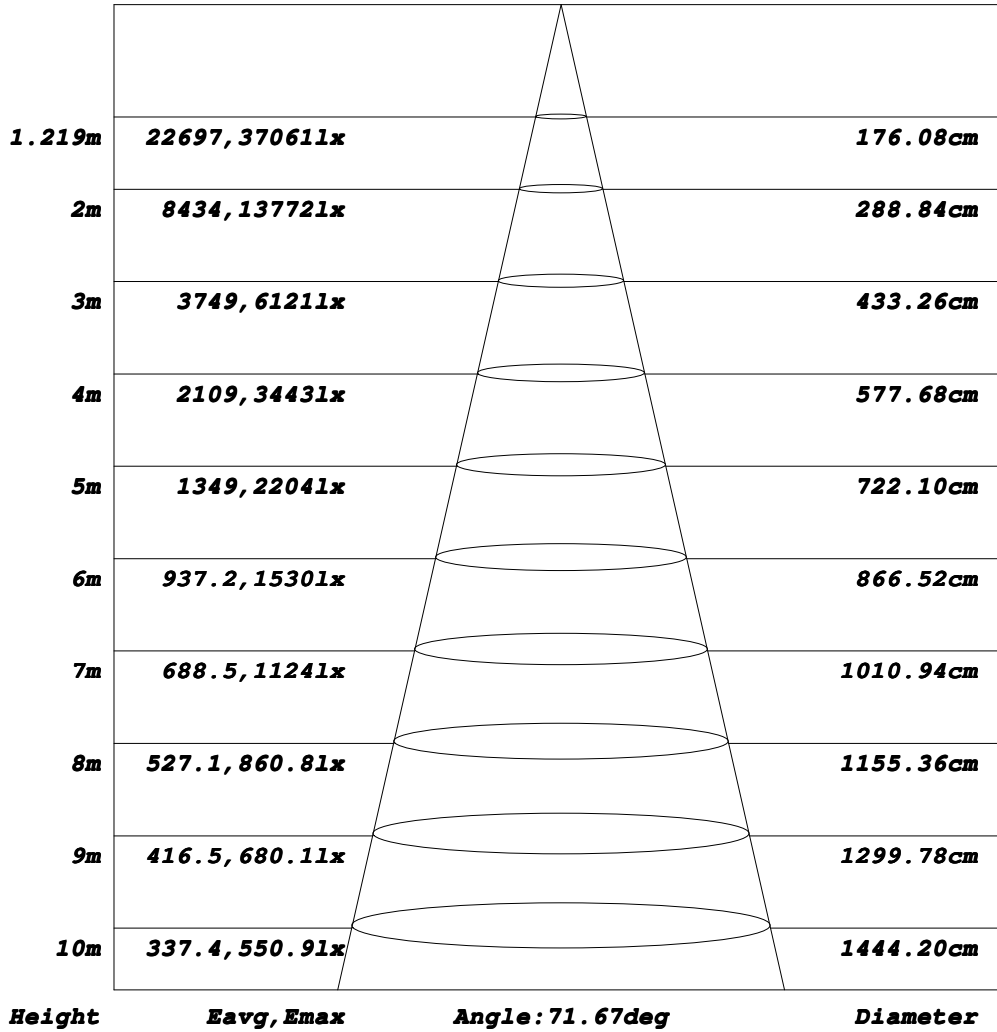
C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature: 20DEG
Operators: LITPA
Test Date: 17/11/2021

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

AAI Figure

Test:U:0V I:0A P:0W PF:0.0000 Freq:0Hz Lamp Flux:86895.5x1 lm		
NAME: KYH-XL	TYPE:OUTDOOR	WEIGHT:22 kg
SPEC.:750 WATT	DIM.: 540X660X70	SERIAL No.:
MFR.: LITPA AYDINLATMA	SUR.:	Shielding Angle:

Flux out:55948 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: 17/11/2021

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

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:0V I:0A P:0W PF:0.0000 Freq:0Hz Lamp Flux:86895.5x1 lm		
NAME: KYH-XL	TYPE:OUTDOOR	WEIGHT:22 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	0.73	0.69	0.64	0.64	0.64	0.65	0.66	0.66	0.67	0.68	0.69	0.70	0.71	0.71	0.72	0.72	0.72	0.72	0.72
-85	0.73	0.85	0.89	1.15	1.46	1.96	2.73	3.33	4.05	5.10	6.20	7.26	8.45	9.98	11.4	11.5	11.3	12.0	12.6
-80	0.73	1.01	1.62	2.83	4.42	6.97	10.5	14.9	19.3	24.9	31.4	36.9	42.1	47.8	53.5	55.5	56.2	58.7	60.3
-75	0.73	1.41	2.98	5.67	11.0	18.1	28.6	38.6	49.8	63.3	77.1	89.3	102	114	124	129	132	137	140
-70	0.73	1.92	4.79	11.1	20.7	35.1	53.1	72.4	93.7	115	139	160	180	199	218	229	234	240	242
-65	0.73	2.46	7.24	18.6	34.6	56.9	83.9	114	144	178	211	245	278	310	336	352	359	364	363
-60	0.73	3.11	10.8	28.1	51.3	82.3	119	159	201	245	292	342	390	434	468	494	507	514	514
-55	0.73	3.72	15.3	38.3	70.3	109	156	207	260	314	379	446	512	578	636	682	706	721	723
-50	0.73	4.53	20.5	49.7	90.5	138	194	256	321	393	473	563	659	760	855	936	978	1004	1015
-45	0.73	5.45	25.8	61.8	110	167	231	303	386	474	575	701	842	989	1129	1268	1341	1389	1422
-40	0.73	6.31	30.9	73.8	130	196	266	352	450	563	695	861	1066	1281	1487	1708	1856	1942	2009
-35	0.73	7.25	35.8	85.4	150	223	303	401	517	656	833	1047	1325	1647	1972	2304	2572	2714	2813
-30	0.73	8.34	40.6	96.4	168	250	341	448	583	756	984	1275	1641	2110	2594	3061	3459	3636	3768
-25	0.73	9.29	44.9	106	184	273	375	498	650	862	1151	1544	2040	2639	3290	3831	4248	4448	4567
-20	0.73	10.1	48.9	114	197	293	406	544	722	968	1313	1822	2471	3208	3894	4422	4779	4972	5062
-15	0.73	10.7	52.0	121	208	310	434	584	788	1082	1490	2087	2878	3702	4348	4788	5065	5221	5283
-10	0.73	11.2	54.3	126	216	324	456	625	857	1177	1662	2351	3225	4049	4641	4982	5157	5257	5313
-5	0.73	11.5	55.8	129	221	333	473	659	928	1321	1896	2672	3564	4297	4817	5074	5176	5232	5302
0	0.73	11.6	56.3	130	223	338	482	682	981	1438	2127	3086	4211	5150	5651	5766	5678	5556	5465
5	0.73	11.5	56.0	130	222	336	481	680	978	1427	2107	3054	4180	5142	5691	5859	5765	5587	5476
10	0.73	11.3	54.8	127	218	330	471	664	950	1368	2010	2897	3974	4971	5583	5828	5805	5694	5656
15	0.73	10.9	52.7	122	211	318	454	635	904	1293	1865	2636	3583	4545	5283	5673	5805	5809	5825
20	0.73	10.3	49.8	116	201	302	430	599	841	1187	1655	2276	3064	3970	4770	5301	5603	5725	5796
25	0.73	9.51	46.1	108	188	284	402	554	766	1044	1409	1898	2538	3274	4004	4640	5051	5274	5377
30	0.73	8.59	41.9	98.8	173	262	370	504	673	894	1174	1558	2039	2564	3152	3718	4136	4406	4521
35	0.73	7.52	37.0	88.0	155	238	333	445	579	751	976	1254	1575	1942	2364	2763	3088	3313	3406
40	0.73	6.57	31.9	76.7	137	210	293	386	493	626	792	987	1200	1458	1742	1982	2196	2343	2412
45	0.73	5.69	26.4	64.9	117	180	252	327	413	515	634	767	916	1085	1256	1401	1539	1634	1672
50	0.73	4.72	21.3	52.9	96.8	150	209	272	341	419	503	592	693	804	907	1001	1080	1137	1164
55	0.73	3.89	16.4	41.2	75.9	120	167	218	274	333	394	454	523	592	654	712	759	796	817
60	0.73	3.35	11.8	30.1	56.5	89.7	127	167	212	258	299	344	391	435	472	507	535	557	569
65	0.73	2.77	8.11	20.4	38.7	62.3	89.3	120	153	187	219	251	283	312	336	358	376	389	396
70	0.73	2.19	5.35	12.3	23.8	38.7	56.3	77.5	101	124	146	169	192	211	228	242	254	261	266
75	0.73	1.60	3.48	6.66	12.3	20.4	30.0	42.3	56.2	70.1	83.9	98.9	114	126	136	145	152	156	158
80	0.73	1.13	2.20	3.42	5.30	8.11	11.8	17.5	23.9	29.6	36.1	43.5	51.1	57.0	62.2	67.0	70.9	72.3	72.5
85	0.73	0.93	1.13	1.55	2.06	2.62	3.27	4.16	5.47	6.95	8.36	10.4	12.7	14.3	15.9	17.3	18.5	18.9	19.2
90	0.73	0.73	0.72	0.73	0.74	0.74	0.74	0.74	0.74	0.74	0.74	0.74	0.74	0.80	0.90	0.99	1.04	1.08	1.12

C Range: 0 - 360DEG
C Interval: 10.0DEG
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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

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NAME: KYH-XL	TYPE:OUTDOOR	WEIGHT:22 kg
SPEC.:750 WATT	DIM.: 540X660X70	SERIAL No.:
MFR.: LITPA AYDINLATMA	SUR.:	Shielding Angle:

Table--2

UNIT: μ A10cd

H (DEG) V (DEG)	5	10	15	20	25	30	35	40	45	50	55	60	65	70	75	80	85	90	
-90	0.72	0.71	0.72	0.72	0.72	0.72	0.76	0.79	0.91	1.03	1.11	1.19	1.24	1.28	1.20	1.12	1.19	1.26	
-85	12.6	12.5	12.4	12.2	11.6	10.9	10.4	9.85	9.06	7.87	6.71	5.87	4.65	3.82	3.06	2.38	1.82	1.26	
-80	59.8	58.3	57.1	54.8	51.2	47.4	43.7	39.4	34.0	28.8	23.8	18.8	13.7	9.44	6.01	3.67	2.44	1.26	
-75	138	135	132	126	118	109	99.9	89.4	76.8	64.7	52.9	41.0	29.5	19.4	11.4	5.86	3.06	1.26	
-70	238	231	225	215	202	186	171	153	132	112	91.7	71.2	51.1	33.5	19.2	9.12	3.68	1.26	
-65	355	344	334	319	298	276	253	226	197	166	137	107	77.2	50.9	29.1	13.3	4.45	1.26	
-60	502	485	469	444	413	380	346	306	266	227	188	146	107	70.5	40.5	18.2	5.64	1.26	
-55	703	677	648	605	554	505	453	398	342	291	241	188	137	91.4	53.0	24.0	6.77	1.26	
-50	988	949	900	827	746	668	585	503	430	361	294	230	169	113	66.0	30.0	8.18	1.26	
-45	1381	1326	1249	1124	1006	883	753	630	527	437	350	272	200	134	78.8	36.0	9.70	1.26	
-40	1959	1875	1734	1532	1353	1156	960	788	642	516	408	313	230	154	91.5	42.2	11.1	1.26	
-35	2762	2629	2396	2107	1818	1496	1206	976	775	601	464	353	257	174	104	48.0	12.5	1.26	
-30	3714	3546	3234	2842	2382	1917	1519	1192	911	690	521	390	282	192	115	53.4	13.9	1.26	
-25	4536	4389	4086	3642	3039	2421	1881	1414	1049	780	574	424	304	207	124	58.1	15.2	1.26	
-20	5056	4952	4734	4322	3702	2965	2234	1631	1183	858	620	451	323	220	132	62.3	16.2	1.26	
-15	5300	5263	5118	4795	4242	3429	2563	1843	1305	927	659	475	339	230	139	65.5	17.0	1.26	
-10	5353	5373	5315	5080	4579	3795	2850	2028	1409	980	689	492	350	237	143	67.8	17.6	1.26	
-5	5355	5401	5400	5246	4816	4051	3052	2146	1468	1013	707	502	356	240	146	69.2	17.9	1.26	
0	5446	5482	5494	5363	4952	4179	3143	2188	1482	1019	709	503	357	241	147	69.5	18.0	1.26	
5	5590	5794	5913	5799	5336	4412	3256	2241	1515	1037	722	510	358	240	146	68.8	17.9	1.26	
10	5769	5947	5975	5742	5189	4256	3141	2180	1489	1030	720	507	354	236	143	67.2	17.5	1.26	
15	5908	6004	5899	5520	4838	3875	2848	2010	1395	985	700	495	343	229	137	64.6	16.8	1.26	
20	5839	5780	5542	5053	4288	3348	2463	1776	1264	904	654	469	327	218	130	61.0	16.0	1.26	
25	5386	5181	4867	4298	3570	2784	2066	1520	1113	817	600	436	305	205	122	56.5	14.9	1.26	
30	4521	4242	3917	3406	2818	2242	1711	1277	963	724	540	396	280	189	111	51.7	13.7	1.26	
35	3413	3199	2919	2566	2148	1752	1393	1073	817	628	476	353	253	171	100	46.1	12.3	1.26	
40	2424	2300	2106	1912	1631	1356	1109	882	689	537	413	308	223	151	88.0	40.3	10.9	1.26	
45	1705	1640	1506	1396	1232	1039	874	715	575	452	350	266	193	129	75.2	34.0	9.40	1.26	
50	1193	1165	1086	1017	926	802	682	572	469	373	290	222	163	108	62.3	28.1	7.80	1.26	
55	837	827	779	733	684	606	526	448	372	299	235	181	132	87.1	49.7	22.2	6.36	1.26	
60	583	580	553	524	499	453	398	341	286	233	184	141	101	66.9	37.8	16.7	5.29	1.26	
65	405	406	389	371	355	325	283	244	209	172	135	102	73.6	48.0	26.9	12.5	4.19	1.26	
70	271	270	258	242	228	209	186	163	140	116	91.0	68.1	48.4	31.4	17.5	8.27	3.42	1.26	
75	160	158	150	140	132	123	110	95.3	81.8	67.6	52.5	39.0	27.7	17.9	10.5	5.06	2.77	1.26	
80	73.9	74.0	69.5	64.3	61.0	56.8	50.0	43.2	36.8	30.6	23.8	17.6	12.5	8.45	5.18	3.13	2.16	1.26	
85	19.4	19.4	17.9	16.2	15.6	14.7	12.7	10.9	9.71	8.23	6.42	5.08	4.02	3.22	2.46	1.82	1.66	1.26	
90	1.17	1.18	1.12	1.06	1.07	1.09	1.11	1.14	1.14	1.14	1.13	1.11	1.09	1.07	1.06	1.06	1.16	1.26	

C Range: 0 - 360DEG

C Interval: 10.0DEG

Test Speed: HIGH

Temperature: 20DEG

Operators: LITPA

Test Date: 17/11/2021

 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