

## Floodlight Summary:

Report based on lamp delivering 1000 lumens.

Maximum Intensity	933.3 cd per klm.
(Luminaire orientation as tested.)	0.0 degrees vertical
	0.0 degrees horizontal

Beam Spread	At 10% of Imax	113.8V x 113.7H
	At 50% of Imax	50.4V x 49.8H
	At 90% of Imax	17.6V x 17.7H

Beam Flux	Total	1000.1 lumens per klm.
	To 10% of Imax	939.2 lumens per klm.
	To 50% of Imax	390.1 lumens per klm.
	To 90% of Imax	64.5 lumens per klm.

Upward LOR	0.0 %
Downward LOR	100.0 %

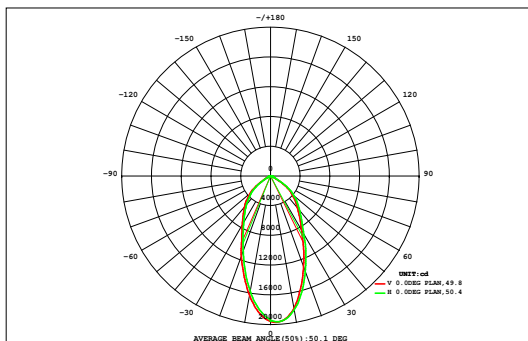
Luminaire Efficiency (Light Output Ratio)	100.0 %
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C Range: 0 - 360DEG  
C Interval: 10.0DEG  
Test Speed: HIGH  
Temperature: 20DEG  
Operators: LITPA  
Test Date: 10/05/2021

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-175WATT-60°

## LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:230.39V I:0.7855A P:176.59W PF:0.9758 Freq:50.01Hz Lamp Flux:21100.7x1 lm		
NAME: KYH-Maxi	TYPE:OUTDOOR	WEIGHT:6.6kg
SPEC.:175 WATT	DIM.: 322X530X50	SERIAL No.:
MFR.: LITPA AYDINLATMA	SUR.:	Shielding Angle:



DATA OF LAMP		Eff:119.49lm/W	
MODEL	KYH-Maxi	Imax(cd)	19694
NOMINAL POWER(W)	175	AVAILABILITY(%)	93.9
RATED VOLTAGE(V)	230.0	Avai. FLUX(lm)	19812
NOMINAL FLUX(lm)	21100.7	LOR(%)	100.0
LAMPS INSIDE	1	TOTAL FLUX(lm)	21101
TEST VOLTAGE(V)	230	θ @50% (H,V)	50,50DEG

VERTICAL (DEG)	AREA FLUX DIAGRAM																UNIT:lm		Φ t	Φ a
	0.00	0.01	0.05	0.11	0.21	0.33	0.46	0.53	0.53	0.51	0.48	0.39	0.28	0.18	0.10	0.05	0.02	0.00	4.25	0.00
90	0.01	0.07	0.37	1.01	1.94	3.14	4.27	4.83	4.89	4.85	4.64	3.97	2.81	1.72	0.93	0.36	0.08	0.01	39.9	0.00
80	0.01	0.24	1.22	3.01	5.44	8.26	11.0	13.2	14.3	14.0	12.8	10.6	7.98	5.24	2.87	1.18	0.25	0.02	112	0.00
70	0.02	0.51	2.33	5.47	10.4	21.1	38.5	53.8	61.1	58.8	47.5	31.9	17.4	9.78	5.37	2.28	0.52	0.03	367	151
60	0.04	0.83	3.47	8.52	26.2	60.7	91.4	115	125	123	109	83.9	51.3	20.7	8.14	3.43	0.82	0.05	831	735
50	0.06	1.12	4.54	15.9	54.0	96.8	134	169	186	182	160	126	90.5	45.8	13.3	4.51	1.11	0.06	1285	1224
40	0.07	1.38	5.60	27.9	75.6	123	180	239	270	260	220	164	117	69.5	23.1	5.51	1.35	0.08	1782	1737
30	0.09	1.56	6.79	38.5	90.5	150	235	339	404	381	302	209	140	85.8	33.2	6.49	1.52	0.10	2424	2385
20	0.09	1.65	7.81	45.0	99.3	168	279	432	542	505	379	246	157	95.2	39.8	7.28	1.61	0.10	3006	2971
10	0.09	1.66	7.97	46.1	101	172	287	451	573	545	404	258	161	97.2	41.0	7.41	1.62	0.10	3156	3120
0	0.09	1.60	7.16	41.6	95.3	160	257	385	479	456	348	232	151	91.5	36.3	6.79	1.55	0.10	2751	2715
-10	0.08	1.44	5.93	31.8	83.4	137	205	284	335	324	264	189	131	77.7	26.5	5.78	1.40	0.08	2104	2061
-20	0.06	1.20	4.84	18.8	62.6	108	151	195	221	217	187	144	102	54.8	15.7	4.74	1.17	0.07	1488	1434
-30	0.04	0.90	3.79	9.94	33.7	75.0	109	138	153	151	134	103	66.1	27.3	9.22	3.68	0.88	0.05	1018	939
-40	0.03	0.57	2.63	6.43	12.8	29.5	54.2	76.0	87.6	85.6	69.8	46.4	24.2	11.5	6.10	2.51	0.57	0.03	517	340
-50	0.01	0.27	1.44	3.72	6.76	10.4	14.7	19.4	22.7	22.0	17.9	13.4	9.69	6.25	3.42	1.36	0.28	0.02	154	0.00
-60	0.01	0.09	0.46	1.34	2.61	4.23	5.90	6.97	7.26	7.12	6.58	5.42	3.79	2.28	1.18	0.43	0.09	0.01	55.8	0.00
-70	0.00	0.02	0.07	0.16	0.33	0.55	0.82	1.01	1.08	1.02	0.88	0.66	0.43	0.25	0.13	0.06	0.02	0.00	7.49	0.00
-80	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
-90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
HORIZONTAL (DEG)																				
Φ t	0.81	15.1	66.5	305	762	1327	2059	2923	3487	3338	2668	1867	1233	703	266	63.8	14.9	0.91	21101	---
Φ a	0.00	0.00	0.00	174	671	1241	1976	2844	3408	3259	2585	1781	1143	602	126	0.00	0.00	0.00	---	19812

one-half-peak spread: U:25.3,D:22.5 , L:24.5,R:25.7

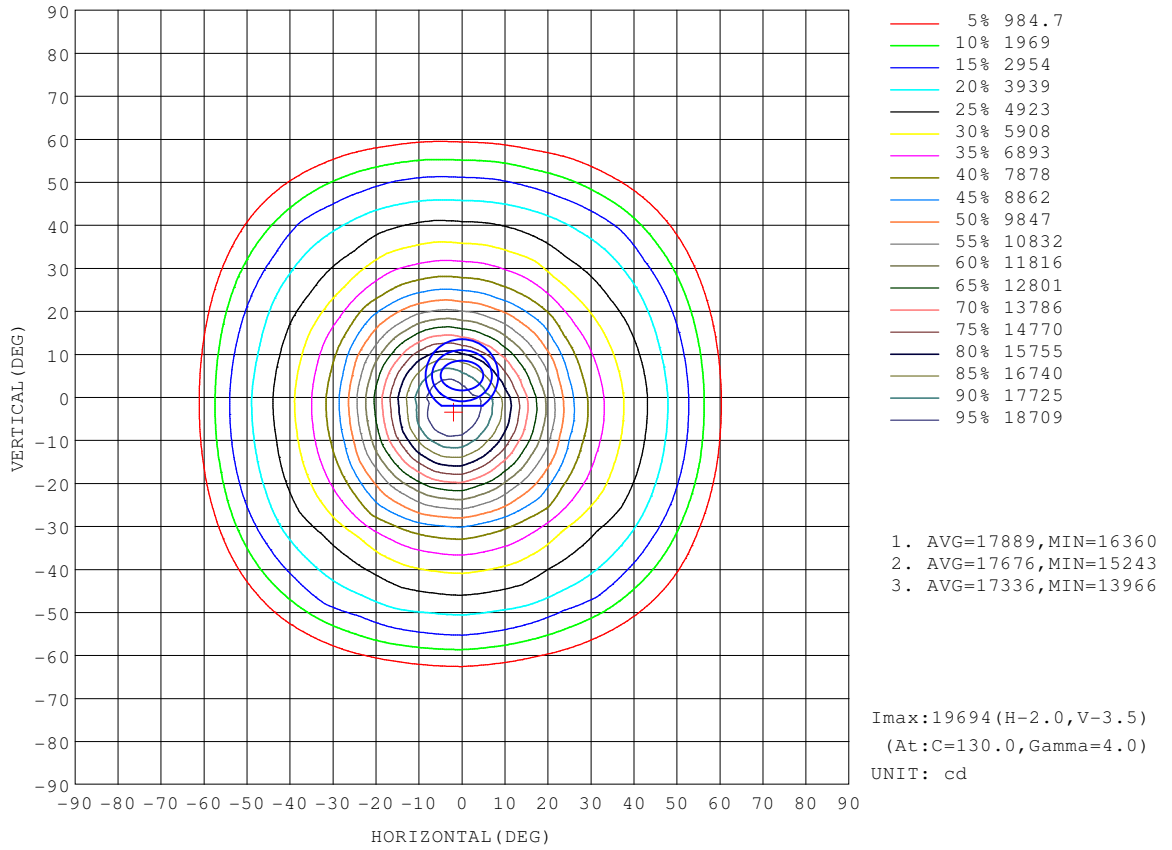
NEMA Beam Type: Type 6

**C Range: 0 - 360DEG**  
**C Interval: 10.0DEG**  
**Test Speed: HIGH**  
**Temperature:20DEG**  
**Operators:LITPA**  
**Test Date:10/05/2021**

**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-175WATT-60°**

## ISOCANDELA DIAGRAM

Test:U:230.39V I:0.7855A P:176.59W PF:0.9758 Freq:50.01Hz Lamp Flux:21100.7x1 lm		
NAME: KYH-Maxi	TYPE:OUTDOOR	WEIGHT:6.6kg
SPEC.:175 WATT	DIM.: 322X530X50	SERIAL No.:
MFR.: LITPA AYDINLATMA	SUR.:	Shielding Angle:

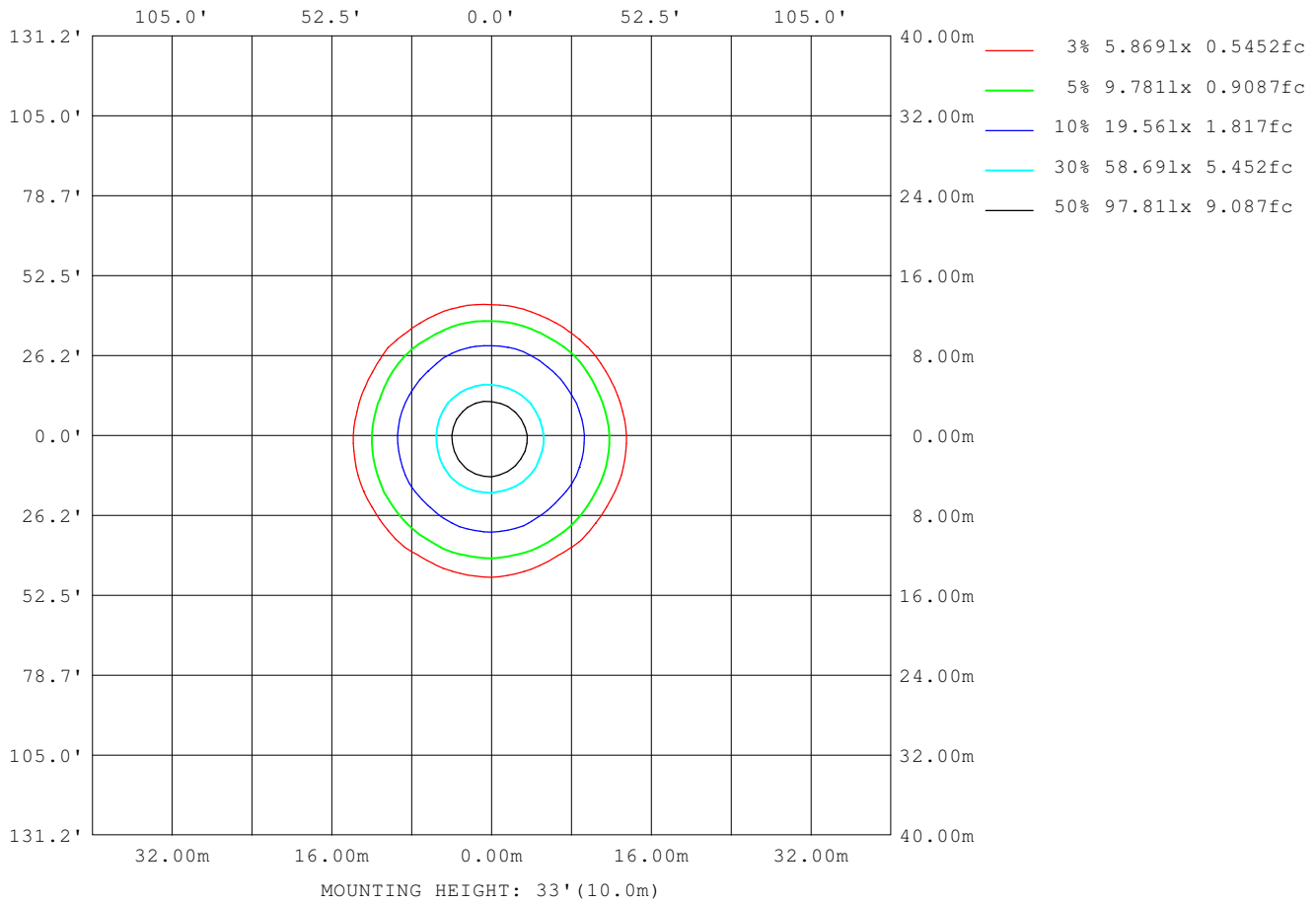


C Range: 0 - 360DEG  
C Interval: 10.0DEG  
Test Speed: HIGH  
Temperature: 20DEG  
Operators: LITPA  
Test Date: 10/05/2021

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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-175WATT-60°

## ISOLUX DIAGRAM

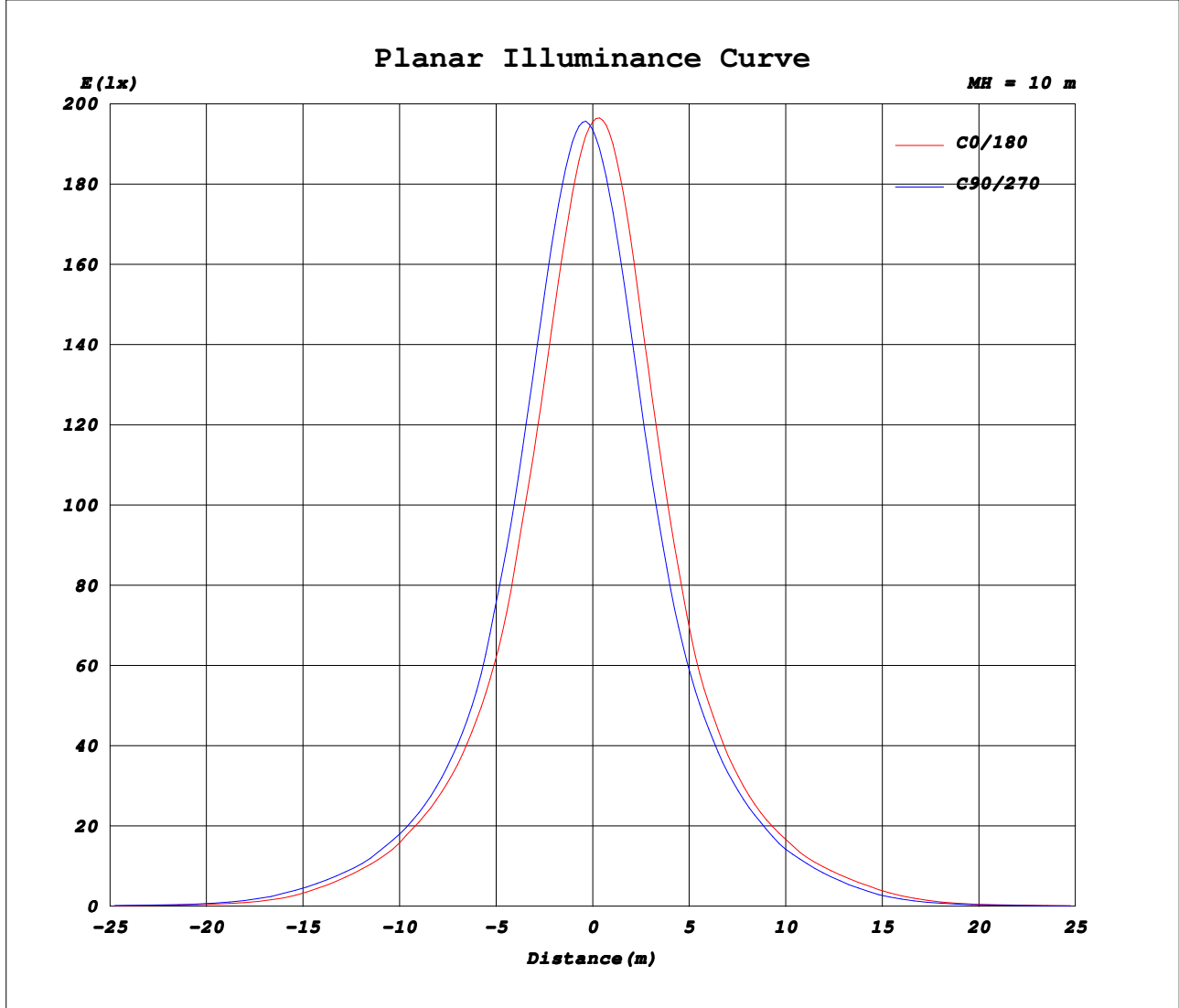
Test:U:230.39V I:0.7855A P:176.59W PF:0.9758 Freq:50.01Hz Lamp Flux:21100.7x1 lm		
NAME: KYH-Maxi	TYPE:OUTDOOR	WEIGHT:6.6kg
SPEC.:175 WATT	DIM.: 322X530X50	SERIAL No.:
MFR.: LITPA AYDINLATMA	SUR.:	Shielding Angle:



C Range: 0 - 360DEG  
C Interval: 10.0DEG  
Test Speed: HIGH  
Temperature: 20DEG  
Operators: LITPA  
Test Date: 10/05/2021

γ Range: 0 - 90DEG  
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Test System: EVERFINE GO-2000B\_V1 SYSTEM V2.0.400  
Humidity: 65.0%  
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Remarks: KYH-175WATT-60°

## Planar Illuminance Curve

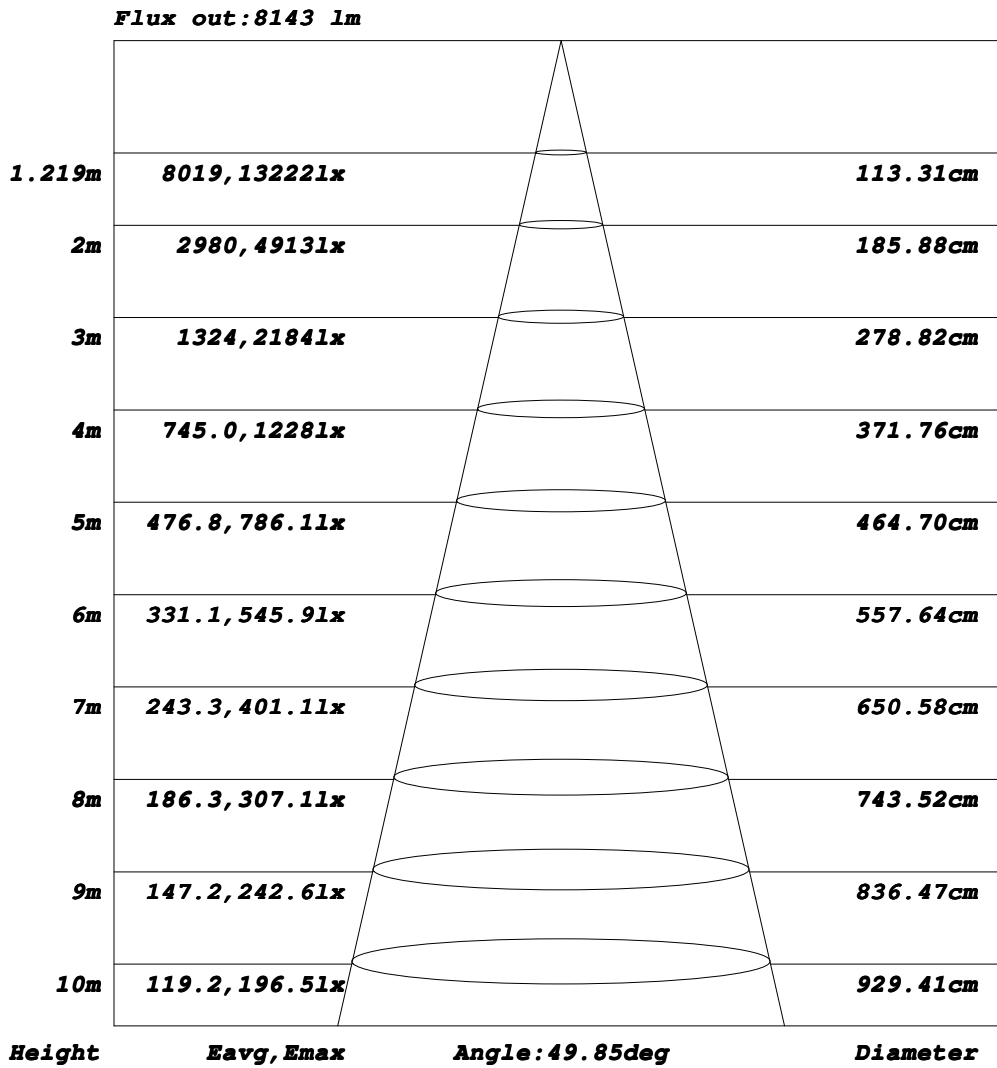


C Range: 0 - 360DEG  
C Interval: 10.0DEG  
Test Speed: HIGH  
Temperature: 20DEG  
Operators: LITPA  
Test Date: 10/05/2021

$\gamma$  Range: 0 - 90DEG  
 $\gamma$  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-175WATT-60°

## AAI Figure

Test:U:230.39V I:0.7855A P:176.59W PF:0.9758 Freq:50.01Hz Lamp Flux:21100.7x1 lm		
NAME: KYH-Maxi	TYPE:OUTDOOR	WEIGHT:6.6kg
SPEC.:175 WATT	DIM.: 322X530X50	SERIAL No.:
MFR.: LITPA AYDINLATMA	SUR.:	Shielding Angle:



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: 10/05/2021

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-175WATT-60°

## LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:230.39V I:0.7855A P:176.59W PF:0.9758 Freq:50.01Hz Lamp Flux:21100.7x1 lm		
NAME: KYH-Maxi	TYPE:OUTDOOR	WEIGHT:6.6kg
SPEC.:175 WATT	DIM.: 322X530X50	SERIAL No.:
MFR.: LITPA AYDINLATMA	SUR.:	Shielding Angle:

Table--1

UNIT:  $\mu\text{A10cd}$ 

H (DEG) V (DEG)	-90	-85	-80	-75	-70	-65	-60	-55	-50	-45	-40	-35	-30	-25	-20	-15	-10	-5	0
-90	0.08	0.10	0.13	0.13	0.13	0.14	0.14	0.15	0.16	0.16	0.16	0.16	0.17	0.16	0.16	0.16	0.16	0.15	0.14
-85	0.08	0.13	0.19	0.23	0.28	0.38	0.53	0.66	0.80	1.01	1.23	1.41	1.62	1.88	2.14	2.22	2.24	2.26	2.24
-80	0.08	0.16	0.26	0.47	0.79	1.24	1.88	2.73	3.68	4.76	5.94	7.14	8.36	9.54	10.7	11.1	11.1	11.3	11.3
-75	0.08	0.19	0.45	0.96	1.69	3.19	5.15	7.31	9.43	11.7	14.0	16.5	18.9	21.1	23.0	23.4	23.2	23.7	23.8
-70	0.08	0.21	0.74	1.65	3.63	6.58	10.1	13.7	17.2	20.9	24.8	28.5	31.7	34.6	37.0	38.1	38.5	38.3	37.5
-65	0.08	0.27	1.11	2.82	6.29	10.7	15.9	21.2	26.0	31.1	36.4	41.4	45.7	49.7	53.7	57.2	60.2	62.6	63.6
-60	0.08	0.37	1.52	4.42	9.32	15.2	22.0	28.8	35.2	42.0	49.3	57.8	69.8	89.7	109	129	144	154	158
-55	0.08	0.47	2.06	6.27	12.5	20.0	28.0	36.5	44.9	54.3	72.1	107	153	197	234	265	285	298	304
-50	0.08	0.60	2.75	8.25	15.8	24.4	33.9	44.3	56.2	82.6	140	210	271	307	345	376	392	401	405
-45	0.08	0.73	3.51	10.3	18.9	28.6	39.7	52.3	80.2	152	233	306	361	399	435	474	494	506	511
-40	0.08	0.84	4.38	12.2	21.7	32.6	45.4	65.4	133	230	309	377	426	469	515	560	588	604	611
-35	0.08	0.96	5.21	14.0	24.2	36.3	51.3	92.5	198	293	371	432	485	539	605	662	703	726	734
-30	0.08	1.07	6.02	15.6	26.5	39.8	59.3	129	255	343	431	489	555	632	725	794	853	881	894
-25	0.08	1.17	6.72	16.9	28.2	43.3	71.3	173	299	386	474	547	633	740	871	972	1061	1111	1128
-20	0.08	1.25	7.36	18.0	29.8	46.7	86.5	213	330	417	505	594	704	838	995	1142	1266	1350	1369
-15	0.08	1.31	7.86	18.9	31.1	49.5	102	243	352	443	531	636	763	931	1122	1314	1490	1606	1623
-10	0.08	1.35	8.20	19.5	32.0	51.4	115	260	367	461	550	667	805	994	1226	1466	1684	1817	1833
-5	0.08	1.38	8.39	19.9	32.4	52.5	123	270	374	471	563	685	831	1039	1284	1545	1792	1936	1950
0	0.08	1.38	8.42	19.9	32.3	52.6	124	272	376	475	567	688	835	1053	1302	1566	1808	1950	1956
5	0.08	1.37	8.34	19.7	32.2	51.7	119	263	367	464	555	669	809	1010	1243	1485	1700	1828	1796
10	0.08	1.34	8.09	19.2	31.6	50.0	109	246	352	447	534	639	769	946	1139	1334	1511	1610	1578
15	0.08	1.29	7.70	18.5	30.5	47.6	94.8	223	331	421	505	599	709	849	1008	1153	1278	1345	1323
20	0.08	1.22	7.17	17.4	29.0	44.7	77.5	190	302	389	469	545	635	748	872	974	1056	1095	1081
25	0.08	1.13	6.50	16.1	27.2	41.5	64.4	150	265	350	427	489	562	645	734	809	862	889	878
30	0.08	1.02	5.79	14.7	25.2	38.0	54.5	111	219	306	383	440	497	558	629	684	715	735	728
35	0.08	0.90	5.00	13.1	22.8	34.3	47.6	77.6	162	252	331	391	435	479	536	575	600	614	607
40	0.08	0.79	4.17	11.4	20.2	30.4	41.9	56.7	105	184	269	331	376	414	456	484	503	512	507
45	0.08	0.67	3.30	9.50	17.4	26.3	35.9	46.1	63.7	114	179	247	294	334	363	390	403	408	404
50	0.08	0.54	2.54	7.57	14.4	22.1	30.1	38.3	47.7	64.7	102	151	201	241	275	301	316	322	319
55	0.08	0.42	1.86	5.71	11.3	17.8	24.2	31.0	38.0	45.8	55.7	73.9	103	136	160	183	198	204	200
60	0.08	0.33	1.34	3.98	8.24	13.3	18.6	23.9	29.3	34.9	40.3	45.4	52.0	60.1	68.2	77.4	86.0	88.3	85.3
65	0.08	0.22	0.94	2.46	5.45	9.06	13.0	16.9	21.0	25.1	29.0	32.8	36.4	39.1	41.0	42.5	43.8	43.5	42.1
70	0.08	0.18	0.60	1.40	3.07	5.37	7.90	10.7	13.2	16.0	19.0	21.9	24.5	26.2	27.3	27.6	27.3	26.8	26.0
75	0.08	0.15	0.34	0.78	1.41	2.51	3.87	5.45	7.03	8.67	10.4	12.2	14.1	15.2	15.8	16.2	16.1	15.9	15.5
80	0.08	0.13	0.18	0.35	0.63	0.93	1.27	1.92	2.63	3.26	3.93	4.64	5.42	5.99	6.45	6.60	6.57	6.37	6.04
85	0.08	0.10	0.13	0.16	0.20	0.25	0.32	0.41	0.52	0.61	0.69	0.81	0.92	0.95	0.97	1.03	1.07	1.01	0.94
90	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.10	0.10

**C Range: 0 - 360DEG**  
**C Interval: 10.0DEG**  
**Test Speed: HIGH**  
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**Operators: LITPA**  
**Test Date: 10/05/2021**

**$\gamma$  Range: 0 - 90DEG**  
 **$\gamma$  Interval: 1.0DEG**  
**Test System: EVERFINE GO-2000B\_V1 SYSTEM V2.0.400**  
**Humidity: 65.0%**  
**Test Distance: 7.200m [K=1.0000]**  
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NAME: KYH-Maxi	TYPE:OUTDOOR	WEIGHT:6.6kg
SPEC.:175 WATT	DIM.: 322X530X50	SERIAL No.:
MFR.: LITPA AYDINLATMA	SUR.:	Shielding Angle:

Table--2

UNIT:  $\mu$ A10cd

H (DEG) V (DEG)	5	10	15	20	25	30	35	40	45	50	55	60	65	70	75	80	85	90	
-90	0.13	0.12	0.10	0.09	0.08	0.08	0.08	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.08	0.08	0.09	
-85	2.09	1.91	1.79	1.64	1.43	1.20	1.05	0.91	0.76	0.61	0.51	0.43	0.32	0.25	0.20	0.15	0.12	0.09	
-80	10.9	10.3	9.92	9.36	8.21	7.04	5.91	4.88	3.88	2.98	2.27	1.62	1.13	0.75	0.48	0.27	0.15	0.09	
-75	23.3	22.4	22.0	21.2	19.3	17.2	14.6	12.2	10.1	8.08	6.38	4.59	2.98	1.67	1.00	0.50	0.20	0.09	
-70	37.7	37.4	36.5	35.1	32.5	29.6	26.2	22.5	18.8	15.3	12.3	9.28	6.14	3.57	1.74	0.84	0.26	0.09	
-65	61.0	57.6	54.1	50.6	46.8	42.9	38.7	33.8	28.8	23.9	19.3	14.7	10.1	6.12	3.00	1.24	0.34	0.09	
-60	148	132	113	93.5	74.2	61.5	52.7	46.0	39.4	33.0	27.0	20.5	14.5	9.02	4.59	1.71	0.47	0.09	
-55	292	270	241	204	164	123	86.5	63.2	50.8	42.5	34.6	26.6	19.0	12.1	6.37	2.36	0.59	0.09	
-50	397	382	358	321	277	230	168	110	70.7	52.9	42.4	32.6	23.6	15.3	8.26	3.10	0.73	0.09	
-45	502	486	463	421	381	335	269	190	118	70.1	50.1	38.6	27.8	18.2	10.2	3.88	0.88	0.09	
-40	598	576	543	493	452	408	353	273	188	105	60.3	44.3	31.8	21.1	12.0	4.75	1.01	0.09	
-35	714	682	635	577	518	467	413	342	256	156	77.2	49.8	35.7	23.6	13.7	5.55	1.14	0.09	
-30	855	808	743	669	590	524	469	402	314	212	103	56.6	39.5	25.7	15.2	6.32	1.28	0.09	
-25	1074	998	899	802	683	595	526	452	361	263	138	65.8	43.2	27.5	16.5	6.98	1.40	0.09	
-20	1290	1175	1046	907	763	658	569	490	395	301	175	76.7	46.4	29.0	17.5	7.58	1.50	0.09	
-15	1520	1363	1186	1012	834	705	602	516	421	329	205	88.2	48.9	30.3	18.4	8.04	1.57	0.09	
-10	1712	1527	1311	1099	885	742	628	535	438	346	224	97.6	50.6	31.1	19.0	8.35	1.63	0.09	
-5	1831	1628	1382	1153	926	767	643	545	450	355	235	103	51.7	31.3	19.4	8.52	1.66	0.09	
0	1842	1633	1386	1154	921	765	643	547	450	356	237	105	51.9	31.1	19.4	8.55	1.67	0.09	
5	1687	1504	1294	1088	878	737	625	534	440	347	228	100	51.1	31.2	19.2	8.47	1.66	0.09	
10	1493	1341	1168	999	824	697	595	513	419	330	211	92.0	49.5	30.7	18.7	8.24	1.62	0.09	
15	1262	1155	1027	893	745	644	558	484	395	306	184	80.5	47.3	29.8	18.0	7.87	1.56	0.09	
20	1044	972	880	780	669	585	513	449	362	273	152	69.6	44.6	28.4	17.0	7.38	1.48	0.09	
25	855	805	747	670	589	527	465	406	324	229	118	60.4	41.6	26.7	15.8	6.75	1.38	0.09	
30	716	682	641	578	519	471	420	356	275	178	88.9	52.9	38.0	24.6	14.5	6.06	1.26	0.09	
35	599	576	546	503	456	415	368	299	212	124	67.4	47.0	34.1	22.2	13.0	5.27	1.12	0.09	
40	502	488	463	427	392	353	300	225	143	81.8	53.8	41.8	30.1	19.7	11.3	4.47	0.99	0.09	
45	402	391	371	341	308	262	206	139	87.2	57.9	45.3	35.8	25.9	17.0	9.48	3.64	0.86	0.09	
50	314	300	275	245	209	162	114	79.5	57.8	46.4	37.8	29.7	21.7	14.2	7.61	2.90	0.71	0.09	
55	195	180	157	132	108	81.0	62.8	51.7	44.7	37.4	30.4	23.7	17.4	11.2	5.82	2.21	0.58	0.09	
60	83.6	78.0	68.8	60.9	55.0	49.3	44.1	39.2	34.1	28.7	23.2	17.9	13.0	8.18	4.15	1.62	0.47	0.09	
65	43.2	43.4	42.0	40.3	38.2	35.4	31.8	28.0	24.3	20.1	16.1	12.5	8.86	5.48	2.73	1.16	0.35	0.09	
70	27.0	27.5	27.3	26.5	25.3	23.5	20.7	17.5	14.6	12.2	9.99	7.57	5.24	3.20	1.62	0.79	0.28	0.09	
75	15.7	15.6	15.4	14.9	14.1	12.8	10.7	8.93	7.58	6.26	5.00	3.63	2.52	1.55	0.93	0.50	0.23	0.09	
80	6.18	6.20	6.00	5.68	5.16	4.58	3.90	3.28	2.78	2.31	1.77	1.27	0.97	0.71	0.47	0.30	0.18	0.09	
85	0.96	0.98	0.92	0.85	0.82	0.77	0.68	0.59	0.55	0.49	0.40	0.34	0.29	0.27	0.25	0.22	0.15	0.09	
90	0.10	0.10	0.11	0.11	0.11	0.11	0.12	0.12	0.12	0.13	0.13	0.13	0.13	0.14	0.14	0.14	0.12	0.09	

**C Range: 0 - 360DEG**  
**C Interval: 10.0DEG**  
**Test Speed: HIGH**  
**Temperature: 20DEG**  
**Operators: LITPA**  
**Test Date: 10/05/2021**

**$\gamma$  Range: 0 - 90DEG**  
 **$\gamma$  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-175WATT-60°**