

## Floodlight Summary:

Report based on lamp delivering 1000 lumens.

Maximum Intensity	380.6 cd per klm.
(Luminaire orientation as tested.)	0.0 degrees vertical
	0.0 degrees horizontal

Beam Spread	At 10% of Imax	150.8V x 150.9H
	At 50% of Imax	109.4V x 110.2H
	At 90% of Imax	49.9V x 49.8H

Beam Flux	Total	1000.0 lumens per klm.
	To 10% of Imax	983.4 lumens per klm.
	To 50% of Imax	754.4 lumens per klm.
	To 90% of Imax	214.5 lumens per klm.

Upward LOR	0.0 %
Downward LOR	100.0 %

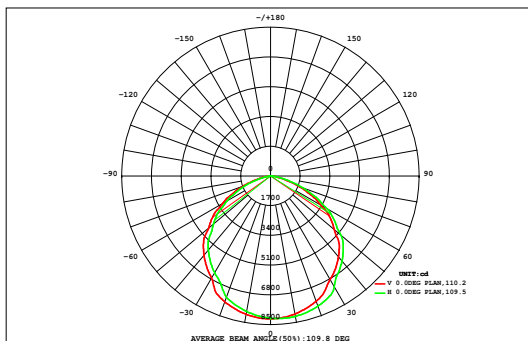
Luminaire Efficiency (Light Output Ratio)	100.0 %
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C Range: 0 - 360DEG  
C Interval: 10.0DEG  
Test Speed: HIGH  
Temperature: 20DEG  
Operators: LITPA  
Test Date: 10/05/2021

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-(LENSSÝZ)

## LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:230.51V I:0.7994A P:179.95W PF:0.9765 Freq:50.01Hz Lamp Flux:21501.4x1 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)	8183
NOMINAL POWER (W)	175	AVAILABILITY (%)	98.3
RATED VOLTAGE (V)	230.0	Avai. FLUX (lm)	21143
NOMINAL FLUX (lm)	21501.4	LOR (%)	100.0
LAMPS INSIDE	1	TOTAL FLUX (lm)	21501
TEST VOLTAGE (V)	230	θ @50% (H,V)	110,109DEG

VERTICAL (DEG)	AREA FLUX DIAGRAM																UNIT:lm		Φ t	Φ a
	0.01	0.05	0.14	0.31	0.62	1.01	1.38	1.63	1.68	1.57	1.38	1.08	0.76	0.48	0.28	0.14	0.06	0.01	12.6	0.00
90	0.01	0.05	0.14	0.31	0.62	1.01	1.38	1.63	1.68	1.57	1.38	1.08	0.76	0.48	0.28	0.14	0.06	0.01	12.6	0.00
80	0.02	0.20	1.07	3.41	7.45	12.5	17.6	21.1	22.7	22.1	19.4	15.4	10.6	6.16	2.86	0.95	0.22	0.02	164	66.3
70	0.04	0.70	4.29	12.4	24.8	38.5	51.3	60.1	64.7	64.4	58.1	47.9	35.0	22.1	11.1	3.87	0.68	0.05	500	469
60	0.07	1.73	9.60	25.2	46.5	68.5	88.3	102	109	109	99.8	84.5	64.3	42.9	23.1	8.85	1.66	0.08	885	871
50	0.11	3.14	15.7	38.3	67.1	96.7	121	140	149	149	138	117	92.4	63.3	35.7	14.7	3.02	0.12	1243	1234
40	0.16	4.64	21.5	50.3	84.4	119	147	170	181	181	169	144	115	80.7	47.5	20.4	4.45	0.18	1540	1534
30	0.23	6.01	26.4	60.0	99.2	137	169	195	207	206	193	167	132	95.8	57.1	25.3	5.77	0.24	1783	1778
20	0.28	7.09	30.3	67.5	111	152	189	217	231	231	217	188	149	108	64.8	29.1	6.82	0.29	1999	1995
10	0.31	7.74	32.5	71.5	117	159	198	227	242	242	227	198	156	114	68.9	31.2	7.47	0.32	2101	2097
0	0.31	7.84	32.9	72.2	118	161	200	230	246	247	232	202	159	116	69.8	31.6	7.56	0.32	2133	2129
-10	0.28	7.34	31.4	69.9	115	158	197	227	242	243	228	198	155	113	67.5	30.2	7.08	0.30	2090	2086
-20	0.24	6.36	28.0	64.4	107	150	186	216	231	231	216	186	146	104	61.4	27.0	6.12	0.25	1967	1962
-30	0.17	5.00	23.0	54.7	92.4	132	163	190	203	204	190	161	127	89.0	51.5	21.9	4.76	0.18	1712	1707
-40	0.11	3.42	17.1	42.5	75.4	110	139	163	176	176	163	136	106	71.7	40.1	16.0	3.21	0.12	1439	1431
-50	0.07	1.90	10.7	28.7	53.5	80.5	105	123	134	133	122	101	76.4	49.7	26.5	9.73	1.80	0.08	1057	1044
-60	0.04	0.78	4.91	14.8	29.5	47.2	63.4	76.3	83.7	83.3	74.0	59.9	43.3	26.6	13.2	4.42	0.76	0.05	626	600
-70	0.02	0.24	1.31	4.30	9.50	16.4	23.5	29.4	32.7	32.3	27.7	21.0	14.1	7.98	3.63	1.16	0.24	0.02	225	139
-80	0.01	0.06	0.18	0.43	0.89	1.54	2.32	2.99	3.34	3.18	2.52	1.80	1.16	0.68	0.35	0.16	0.06	0.01	21.7	0.00
-90	0.01	0.06	0.18	0.43	0.89	1.54	2.32	2.99	3.34	3.18	2.52	1.80	1.16	0.68	0.35	0.16	0.06	0.01	21.7	0.00
-90 -80 -70 -60 -50 -40 -30 -20 HORIZONTAL (DEG) 20 30 40 50 60 70 80 90																				
Φ t	2.47	64.2	291	681	1160	1642	2064	2392	2560	2558	2377	2028	1584	1112	645	277	61.7	2.65	21501	---
Φ a	0.00	35.2	268	660	1139	1622	2043	2372	2540	2538	2356	2007	1563	1091	624	253	32.0	0.00	---	21143

one-half-peak spread: U:52.1,D:52.0 , L:56.0,R:54.8

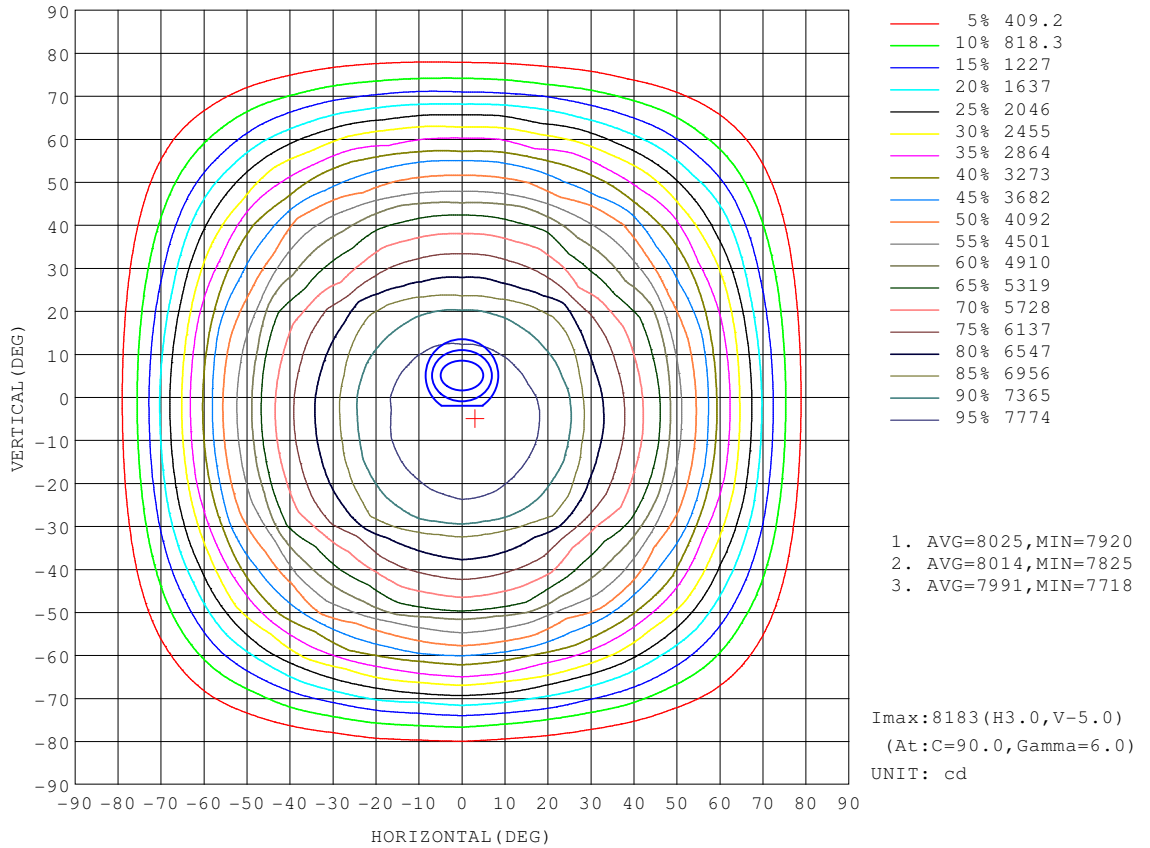
NEMA Beam Type: Type 7

**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-(LENSŞÝZ)**

## ISOCANDELA DIAGRAM

Test:U:230.51V I:0.7994A P:179.95W PF:0.9765 Freq:50.01Hz Lamp Flux:21501.4x1 lm		
NAME: KYH-Maxi	TYPE:OUTDOOR	WEIGHT:6.6kg
SPEC.:175 WATT	DIM.: 322X530X50	SERIAL No.:
MFR.: LITPA AYDINLATMA	SUR.:	Shielding Angle:

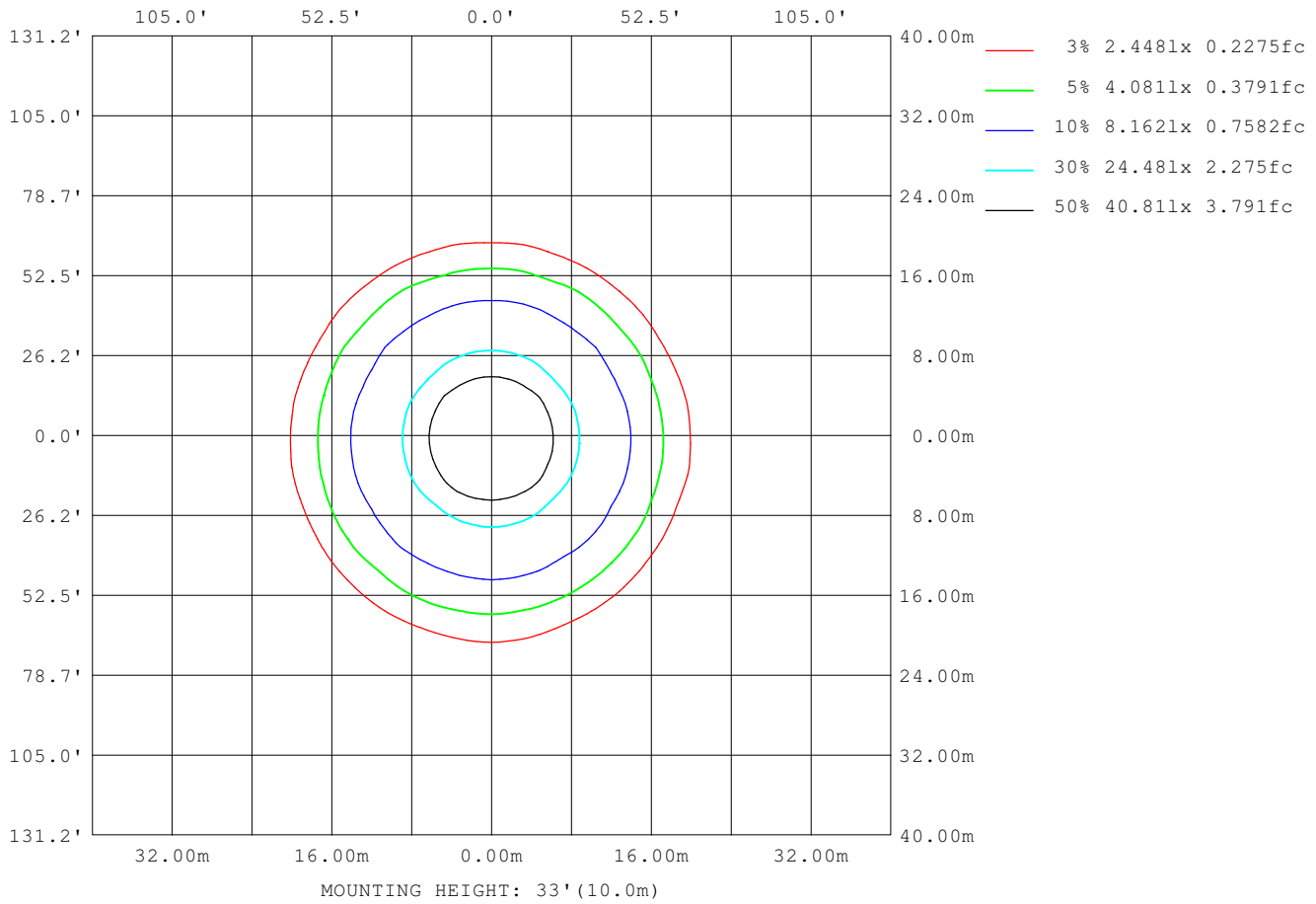


C Range: 0 - 360DEG  
C Interval: 10.0DEG  
Test Speed: HIGH  
Temperature:20DEG  
Operators:LITPA  
Test Date:10/05/2021

γ Range: 0 - 90DEG  
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-(LENSSÝZ)

## ISOLUX DIAGRAM

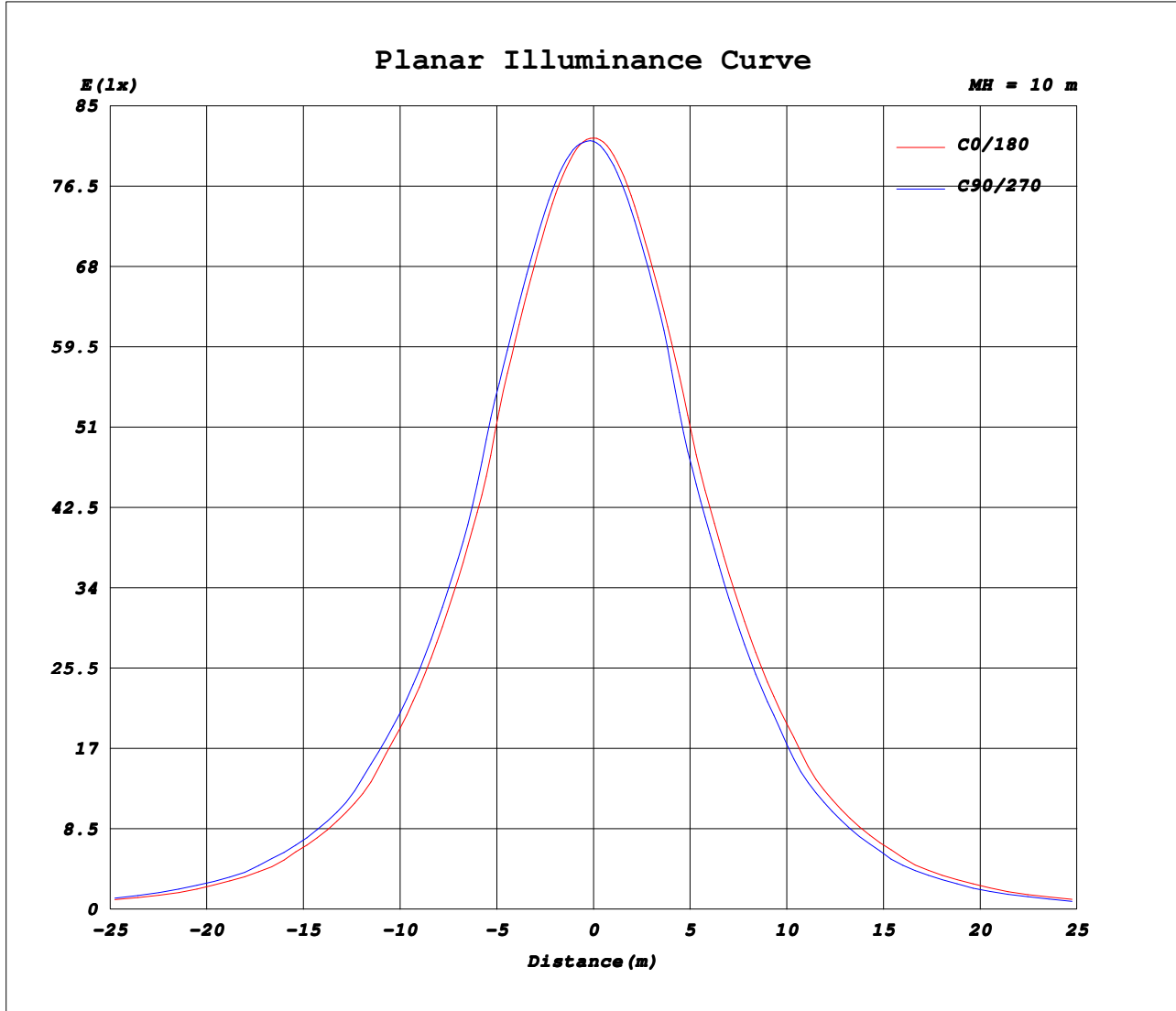
Test:U:230.51V I:0.7994A P:179.95W PF:0.9765 Freq:50.01Hz Lamp Flux:21501.4x1 lm		
NAME: KYH-Maxi	TYPE:OUTDOOR	WEIGHT:6.6kg
SPEC.:175 WATT	DIM.: 322X530X50	SERIAL No.:
MFR.: LITPA AYDINLATMA	SUR.:	Shielding Angle:



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

γ Range: 0 - 90DEG  
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-(LENSSÝZ)

## Planar Illuminance Curve



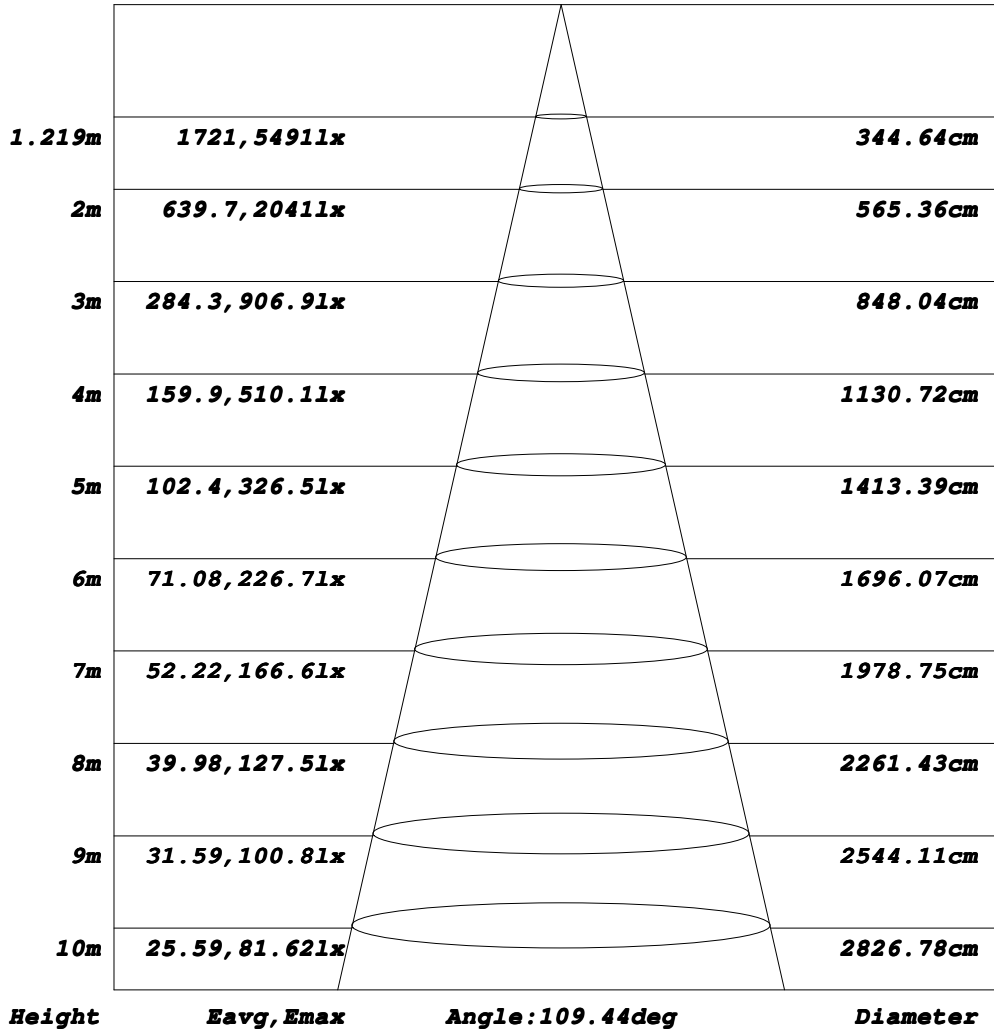
C Range: 0 - 360DEG  
C Interval: 10.0DEG  
Test Speed: HIGH  
Temperature: 20DEG  
Operators: LITPA  
Test Date: 10/05/2021

$\gamma$  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-(LENSŞÝZ)

## AAI Figure

Test:U:230.51V I:0.7994A P:179.95W PF:0.9765 Freq:50.01Hz Lamp Flux:21501.4x1 lm		
NAME: KYH-Maxi	TYPE:OUTDOOR	WEIGHT:6.6kg
SPEC.:175 WATT	DIM.: 322X530X50	SERIAL No.:
MFR.: LITPA AYDINLATMA	SUR.:	Shielding Angle:

Flux out:16396 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: 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-(LENSSÝZ)

## LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:230.51V I:0.7994A P:179.95W PF:0.9765 Freq:50.01Hz Lamp Flux:21501.4x1 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: 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	2.09	2.53	2.97	2.97	2.97	3.04	3.11	3.42	3.72	3.88	4.05	4.23	4.42	4.56	4.69	4.78	4.87	4.76	4.66
-85	2.09	3.71	5.51	6.70	8.10	10.9	15.3	18.7	22.5	27.7	33.0	37.3	41.9	47.4	52.0	52.5	51.7	52.5	52.8
-80	2.09	4.87	7.26	13.3	22.0	33.2	46.0	70.8	99.1	133	177	217	256	301	346	366	379	397	409
-75	2.09	5.71	12.8	26.3	44.4	84.6	150	222	308	415	524	631	739	830	926	971	1014	1068	1105
-70	2.09	6.39	20.9	43.6	101	195	333	482	653	829	1028	1207	1385	1548	1701	1780	1835	1899	1926
-65	2.09	7.81	30.2	74.0	188	357	575	820	1085	1364	1633	1870	2109	2286	2479	2640	2735	2815	2865
-60	2.09	11.1	40.9	131	308	551	885	1235	1546	1951	2277	2632	2865	3152	3284	3448	3562	3676	3710
-55	2.09	14.2	52.5	204	447	802	1204	1635	2072	2427	2892	3182	3513	3795	3985	4164	4315	4416	4475
-50	2.09	17.5	74.3	285	613	1052	1526	2037	2555	3038	3466	3916	4260	4509	4750	5011	5114	5215	5265
-45	2.09	20.8	102	370	781	1287	1845	2428	2953	3536	3918	4443	4803	5056	5309	5594	5736	5827	5885
-40	2.09	23.7	136	464	958	1532	2116	2773	3430	3896	4425	4892	5225	5504	5796	6055	6205	6299	6360
-35	2.09	26.7	170	562	1109	1736	2362	3096	3792	4211	4881	5251	5612	5869	6228	6451	6599	6696	6757
-30	2.09	29.7	205	650	1263	1959	2689	3393	4091	4605	5362	5687	6103	6385	6776	7004	7155	7229	7290
-25	2.09	32.3	235	714	1367	2153	2925	3718	4349	4947	5621	6043	6404	6758	7171	7383	7549	7652	7716
-20	2.09	34.4	260	772	1508	2280	3088	3918	4519	5212	5791	6230	6597	6993	7372	7585	7751	7865	7916
-15	2.09	36.0	279	832	1596	2374	3199	4042	4645	5406	5924	6357	6728	7162	7520	7736	7902	8011	8070
-10	2.09	37.1	293	874	1644	2439	3272	4125	4728	5519	6017	6442	6807	7249	7602	7823	7985	8094	8154
-5	2.09	37.7	300	897	1671	2476	3309	4168	4767	5562	6055	6481	6836	7298	7625	7836	8012	8119	8166
0	2.09	37.8	301	903	1676	2483	3311	4170	4764	5560	6046	6474	6832	7307	7627	7838	8014	8126	8162
5	2.09	37.5	298	888	1647	2449	3278	4125	4714	5497	5982	6401	6757	7212	7541	7756	7917	8022	8023
10	2.09	36.7	288	855	1597	2385	3211	4040	4624	5391	5876	6290	6642	7091	7403	7607	7767	7860	7867
15	2.09	35.4	272	805	1528	2290	3111	3915	4478	5233	5733	6138	6476	6884	7214	7409	7563	7646	7655
20	2.09	33.6	249	740	1424	2161	2967	3715	4255	5003	5485	5873	6241	6618	6950	7151	7291	7373	7384
25	2.09	31.3	221	676	1274	2014	2785	3454	3984	4605	5124	5476	5812	6123	6417	6610	6727	6788	6772
30	2.09	28.6	191	607	1161	1829	2540	3138	3732	4226	4773	5130	5430	5711	6015	6195	6307	6386	6394
35	2.09	25.4	157	526	1029	1622	2239	2848	3457	3882	4428	4802	5084	5323	5623	5804	5913	5985	5993
40	2.09	22.5	126	435	876	1412	1998	2534	3131	3548	4050	4425	4686	4933	5199	5358	5466	5535	5539
45	2.09	19.5	98.0	343	720	1169	1717	2168	2647	3121	3503	3888	4204	4386	4608	4808	4911	4964	4942
50	2.09	16.3	69.5	256	568	951	1382	1791	2224	2666	2980	3337	3587	3786	3959	4118	4212	4264	4270
55	2.09	13.1	47.4	179	415	731	1052	1459	1774	2149	2489	2740	3032	3257	3393	3527	3636	3678	3679
60	2.09	10.2	36.7	118	278	496	759	1044	1358	1648	1931	2148	2381	2560	2656	2747	2844	2888	2892
65	2.09	7.05	26.3	66.3	170	309	489	680	915	1143	1338	1516	1706	1825	1955	2035	2104	2129	2124
70	2.09	5.70	17.8	38.2	87.0	168	260	391	541	677	826	950	1118	1195	1278	1341	1385	1408	1407
75	2.09	5.06	10.6	22.3	38.4	68.9	116	177	250	321	397	481	566	609	635	683	718	715	694
80	2.09	4.27	5.82	10.9	18.4	26.2	34.2	53.0	76.9	99.9	123	148	181	197	211	228	237	230	217
85	2.09	3.18	4.29	5.27	6.41	7.88	10.3	12.8	16.1	18.7	21.0	24.1	27.0	27.9	28.6	29.7	30.4	28.7	26.6
90	2.09	2.09	2.09	2.12	2.14	2.16	2.18	2.19	2.21	2.25	2.29	2.33	2.37	2.42	2.47	2.54	2.60	2.64	2.68

**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-(LENSSÝZ)**

## LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:230.51V I:0.7994A P:179.95W PF:0.9765 Freq:50.01Hz Lamp Flux:21501.4x1 lm		
NAME: KYH-Maxi	TYPE:OUTDOOR	WEIGHT:6.6kg
SPEC.:175 WATT	DIM.: 322X530X50	SERIAL No.:
MFR.: LITPA AYDINLATMA	SUR.:	Shielding Angle:

Table--2

UNIT: cd

H (DEG) V (DEG)	5	10	15	20	25	30	35	40	45	50	55	60	65	70	75	80	85	90	
-90	4.04	3.42	2.79	2.15	2.08	2.01	1.96	1.90	1.90	1.89	1.89	1.88	1.89	1.91	1.95	1.98	2.12	2.26	
-85	50.7	48.0	44.5	40.6	36.4	31.7	28.5	25.0	21.3	17.5	15.0	12.7	9.69	7.63	6.21	4.61	3.38	2.26	
-80	384	354	321	282	241	202	168	136	107	81.1	58.0	39.4	29.9	21.1	14.1	8.37	4.63	2.26	
-75	1049	976	899	806	727	619	539	440	337	259	189	127	75.2	40.9	27.1	14.7	6.31	2.26	
-70	1863	1781	1682	1550	1410	1256	1089	908	733	561	412	283	175	94.4	42.4	23.2	8.16	2.26	
-65	2805	2687	2547	2386	2170	1933	1719	1450	1242	984	734	506	317	175	74.7	32.4	10.4	2.26	
-60	3631	3498	3329	3118	2946	2702	2435	2097	1780	1422	1130	785	502	280	128	41.5	13.8	2.26	
-55	4419	4326	4195	3947	3657	3415	3029	2715	2264	1898	1523	1110	724	419	196	57.0	17.0	2.26	
-50	5187	5063	4923	4617	4279	4083	3684	3299	2811	2395	1862	1426	949	566	271	79.8	20.6	2.26	
-45	5836	5737	5585	5271	4940	4660	4326	3775	3368	2790	2286	1729	1214	724	353	108	24.1	2.26	
-40	6309	6210	6055	5845	5447	5082	4740	4299	3739	3252	2621	2006	1449	894	440	139	27.3	2.26	
-35	6715	6616	6456	6216	5791	5444	5099	4703	4055	3612	2875	2256	1652	1076	527	171	30.3	2.26	
-30	7205	7092	6905	6709	6312	5850	5507	5105	4481	3930	3155	2570	1878	1213	610	203	33.1	2.26	
-25	7676	7568	7401	7188	6759	6274	5889	5463	4845	4197	3538	2778	2069	1320	678	230	35.5	2.26	
-20	7887	7784	7615	7398	7046	6495	6104	5655	5148	4375	3773	2946	2194	1446	735	257	37.4	2.26	
-15	8041	7939	7770	7552	7253	6647	6243	5799	5306	4512	3912	3071	2285	1528	793	278	38.9	2.26	
-10	8133	8030	7869	7649	7350	6742	6344	5904	5407	4601	3989	3140	2358	1574	835	294	40.0	2.26	
-5	8167	8063	7900	7686	7400	6788	6383	5941	5438	4640	4025	3176	2386	1599	860	303	40.6	2.26	
0	8137	8034	7864	7655	7372	6750	6363	5922	5426	4624	4021	3177	2376	1603	867	307	40.8	2.26	
5	7999	7904	7745	7534	7245	6652	6272	5843	5357	4570	3974	3143	2349	1574	851	302	40.6	2.26	
10	7845	7748	7588	7384	7107	6520	6148	5726	5243	4468	3889	3076	2293	1526	819	291	39.8	2.26	
15	7630	7539	7384	7186	6882	6339	5983	5572	5094	4314	3764	2977	2208	1458	770	273	38.7	2.26	
20	7356	7256	7102	6894	6546	6082	5688	5314	4867	4089	3549	2835	2090	1357	705	250	37.0	2.26	
25	6765	6672	6545	6350	6006	5639	5283	4952	4469	3816	3281	2654	1943	1214	649	220	35.0	2.26	
30	6380	6287	6162	5982	5614	5271	4956	4598	4069	3560	2936	2420	1747	1105	588	192	32.6	2.26	
35	5978	5889	5769	5567	5184	4918	4628	4271	3701	3282	2682	2119	1534	977	505	161	29.7	2.26	
40	5528	5448	5326	5147	4798	4522	4251	3877	3366	2937	2392	1875	1343	827	419	133	26.7	2.26	
45	4948	4879	4735	4488	4222	4025	3720	3320	2950	2494	2025	1606	1098	674	334	105	23.6	2.26	
50	4256	4196	4087	3871	3642	3435	3171	2807	2504	2070	1666	1283	883	534	251	75.5	20.1	2.26	
55	3666	3603	3440	3262	3115	2860	2582	2289	1994	1639	1302	963	673	385	176	52.1	16.8	2.26	
60	2884	2825	2679	2550	2435	2229	1993	1765	1489	1226	938	691	457	259	117	39.7	13.7	2.26	
65	2120	2079	1966	1845	1707	1568	1379	1216	1013	817	607	438	279	157	67.2	30.5	10.4	2.26	
70	1392	1345	1275	1194	1092	978	846	719	579	467	337	232	148	80.1	39.7	21.9	8.37	2.26	
75	691	674	633	575	526	459	395	319	260	204	146	96.9	61.1	37.8	25.3	14.3	6.77	2.26	
80	220	216	196	175	156	137	116	94.4	74.1	59.5	43.2	31.4	25.9	20.0	13.7	8.78	5.27	2.26	
85	27.1	27.3	25.5	23.5	22.4	21.1	18.8	16.6	15.5	14.1	12.0	10.4	8.90	7.98	7.04	5.91	4.04	2.26	
90	2.73	2.77	2.80	2.83	2.87	2.91	2.96	3.01	3.04	3.08	3.11	3.14	3.18	3.22	3.27	3.31	2.79	2.26	

**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-(LENSSÝZ)**