

## Floodlight Summary:

Report based on lamp delivering 1000 lumens.

Maximum Intensity	381.4 cd per klm.
(Luminaire orientation as tested.)	0.0 degrees vertical
	0.0 degrees horizontal

Beam Spread	At 10% of Imax	151.3V x 151.3H
	At 50% of Imax	108.9V x 109.7H
	At 90% of Imax	50.7V x 53.0H

Beam Flux	Total	1000.1 lumens per klm.
	To 10% of Imax	982.6 lumens per klm.
	To 50% of Imax	754.1 lumens per klm.
	To 90% of Imax	232.1 lumens per klm.

Upward LOR	0.0 %
Downward LOR	100.0 %

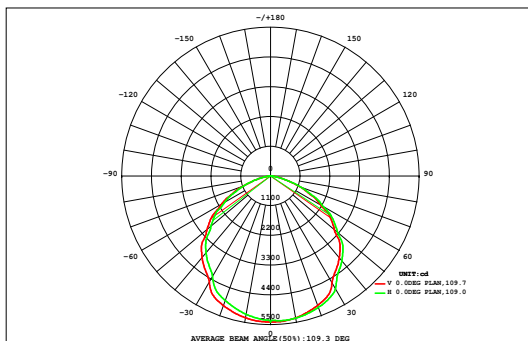
Luminaire Efficiency (Light Output Ratio)	100.0 %
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C Range: 0 - 360DEG  
C Interval: 10.0DEG  
Test Speed: HIGH  
Temperature: 20DEG  
Operators: LITPA  
Test Date: 11/05/2021

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-100WATT-(LENS SZ)

## LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:230.45V I:0.4561A P:101.12W PF:0.9622 Freq:50.01Hz Lamp Flux:14159.6x1 lm		
NAME: KYH-Midi	TYPE:OUTDOOR	WEIGHT:5.2kg
SPEC.:100 WATT	DIM.: 262X430X50	SERIAL No.:
MFR.: LITPA AYDINLATMA	SUR.:	Shielding Angle:



DATA OF LAMP		Eff:140.03lm/W	
MODEL	KYH-Midi	Imax (cd)	5400
NOMINAL POWER (W)	100	AVAILABILITY (%)	98.2
RATED VOLTAGE (V)	230.0	Avai. FLUX (lm)	13910
NOMINAL FLUX (lm)	14159.6	LOR (%)	100.0
LAMPS INSIDE	1	TOTAL FLUX (lm)	14160
TEST VOLTAGE (V)	230	θ @50% (H,V)	110,109DEG

VERTICAL (DEG)	AREA FLUX DIAGRAM																UNIT:lm		Φ t	Φ a
	0.01	0.07	0.18	0.39	0.69	1.08	1.49	1.84	2.04	1.94	1.59	1.20	0.88	0.60	0.34	0.17	0.07	0.01	14.6	0.00
90	0.01	0.07	0.18	0.39	0.69	1.08	1.49	1.84	2.04	1.94	1.59	1.20	0.88	0.60	0.34	0.17	0.07	0.01	14.6	0.00
80	0.02	0.24	1.03	2.86	5.81	9.39	13.2	16.3	18.0	17.7	15.3	11.2	7.04	4.40	2.42	0.90	0.23	0.02	126	61.0
70	0.05	0.65	3.36	8.90	17.0	26.2	35.1	41.8	45.8	45.6	40.9	33.1	23.5	14.3	7.46	2.94	0.59	0.04	347	325
60	0.08	1.41	6.83	17.0	30.7	45.2	58.7	69.5	74.5	74.3	68.6	57.2	42.4	28.2	15.0	6.13	1.25	0.07	597	587
50	0.12	2.37	10.8	25.4	44.1	63.9	80.8	94.6	101	100	93.8	79.5	61.4	41.0	23.5	9.88	2.13	0.10	834	829
40	0.16	3.35	14.6	33.0	55.4	78.3	98.4	114	121	121	113	97.1	76.3	51.8	30.9	13.6	3.05	0.14	1025	1020
30	0.21	4.25	17.8	39.5	65.9	91.5	116	133	141	141	132	115	89.1	62.1	37.3	16.9	3.89	0.18	1207	1204
20	0.25	4.96	20.2	44.0	72.8	99.8	127	145	153	152	143	125	96.2	68.9	42.1	19.3	4.56	0.21	1319	1316
10	0.27	5.36	21.4	46.4	76.4	104	133	151	160	159	149	130	102	74.0	45.1	20.5	4.93	0.23	1384	1381
0	0.27	5.39	21.5	46.6	76.6	105	133	152	161	162	154	135	106	76.5	46.0	20.7	4.97	0.23	1406	1403
-10	0.25	5.04	20.3	44.5	73.6	102	130	149	159	159	150	132	103	74.2	44.6	19.8	4.67	0.21	1370	1367
-20	0.21	4.36	18.0	40.8	68.3	96.1	123	142	151	152	143	124	97.0	68.5	40.6	17.6	4.05	0.18	1290	1287
-30	0.16	3.45	14.7	34.4	58.5	83.8	106	124	133	133	125	107	84.1	58.3	33.9	14.3	3.18	0.14	1117	1113
-40	0.12	2.40	10.9	26.6	46.8	69.1	88.3	105	113	113	105	88.5	68.9	46.5	26.1	10.5	2.16	0.10	922	917
-50	0.09	1.40	6.84	17.7	32.5	49.2	64.8	77.6	84.1	84.1	77.7	64.5	48.7	31.9	17.1	6.39	1.23	0.06	666	657
-60	0.06	0.64	3.25	9.03	17.6	27.9	38.1	46.6	51.6	51.5	46.4	37.6	27.3	17.0	8.54	2.97	0.54	0.04	387	368
-70	0.03	0.26	0.96	2.72	5.58	9.39	13.4	17.0	19.1	19.1	16.8	13.1	8.95	5.17	2.43	0.82	0.18	0.02	135	74.2
-80	0.02	0.10	0.19	0.35	0.59	0.91	1.26	1.56	1.73	1.71	1.47	1.13	0.78	0.47	0.25	0.12	0.04	0.01	12.7	0.00
-90	0.02	0.10	0.19	0.35	0.59	0.91	1.26	1.56	1.73	1.71	1.47	1.13	0.78	0.47	0.25	0.12	0.04	0.01	12.7	0.00
	-90	-80	-70	-60	-50	-40	-30	-20	HORIZONTAL (DEG)	20	30	40	50	60	70	80	90			
Φ t	2.38	45.7	193	440	749	1063	1363	1582	1689	1687	1577	1352	1042	724	424	184	41.7	2.00	14160	---
Φ a	0.00	25.8	177	425	735	1048	1348	1568	1675	1673	1563	1338	1028	709	408	167	21.3	0.00	---	13910

one-half-peak spread: U:51.9,D:52.7 , L:55.4,R:55.0

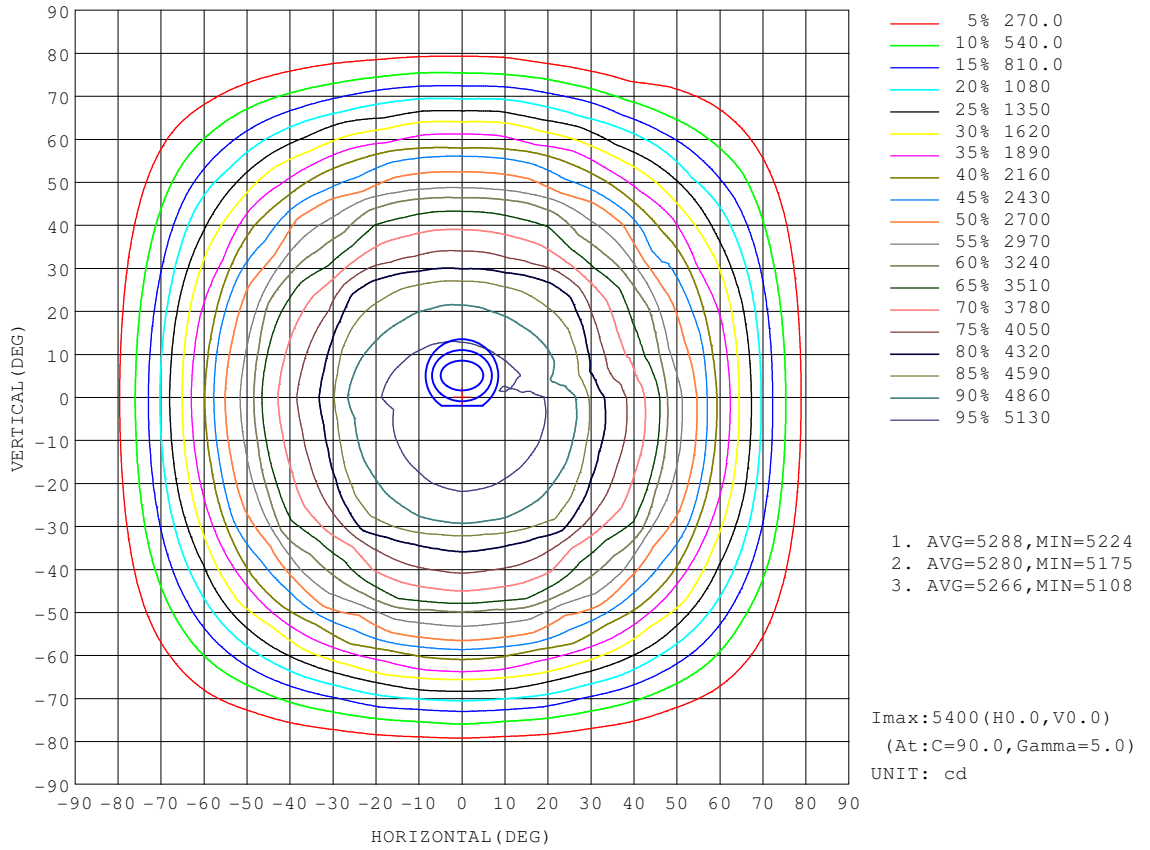
NEMA Beam Type: Type 7

C Range: 0 - 360DEG  
 C Interval: 10.0DEG  
 Test Speed: HIGH  
 Temperature: 20DEG  
 Operators: LITPA  
 Test Date: 11/05/2021

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-100WATT-(LENSŞÝZ)

## ISOCANDELA DIAGRAM

Test:U:230.45V I:0.4561A P:101.12W PF:0.9622 Freq:50.01Hz Lamp Flux:14159.6x1 lm		
NAME: KYH-Midi	TYPE:OUTDOOR	WEIGHT:5.2kg
SPEC.:100 WATT	DIM.: 262X430X50	SERIAL No.:
MFR.: LITPA AYDINLATMA	SUR.:	Shielding Angle:

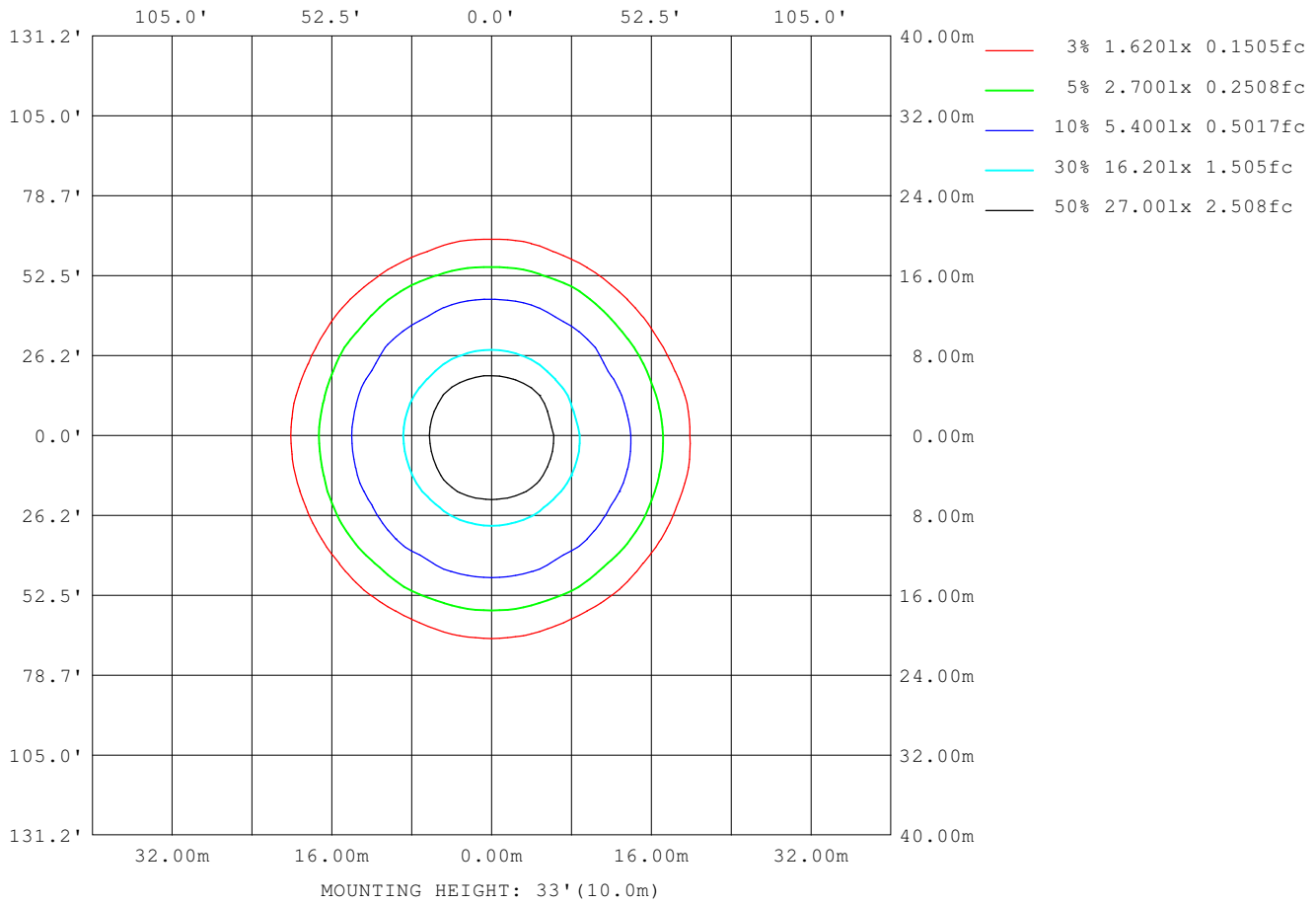


C Range: 0 - 360DEG  
C Interval: 10.0DEG  
Test Speed: HIGH  
Temperature: 20DEG  
Operators: LITPA  
Test Date: 11/05/2021

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-100WATT-(LENSSÝZ)

## ISOLUX DIAGRAM

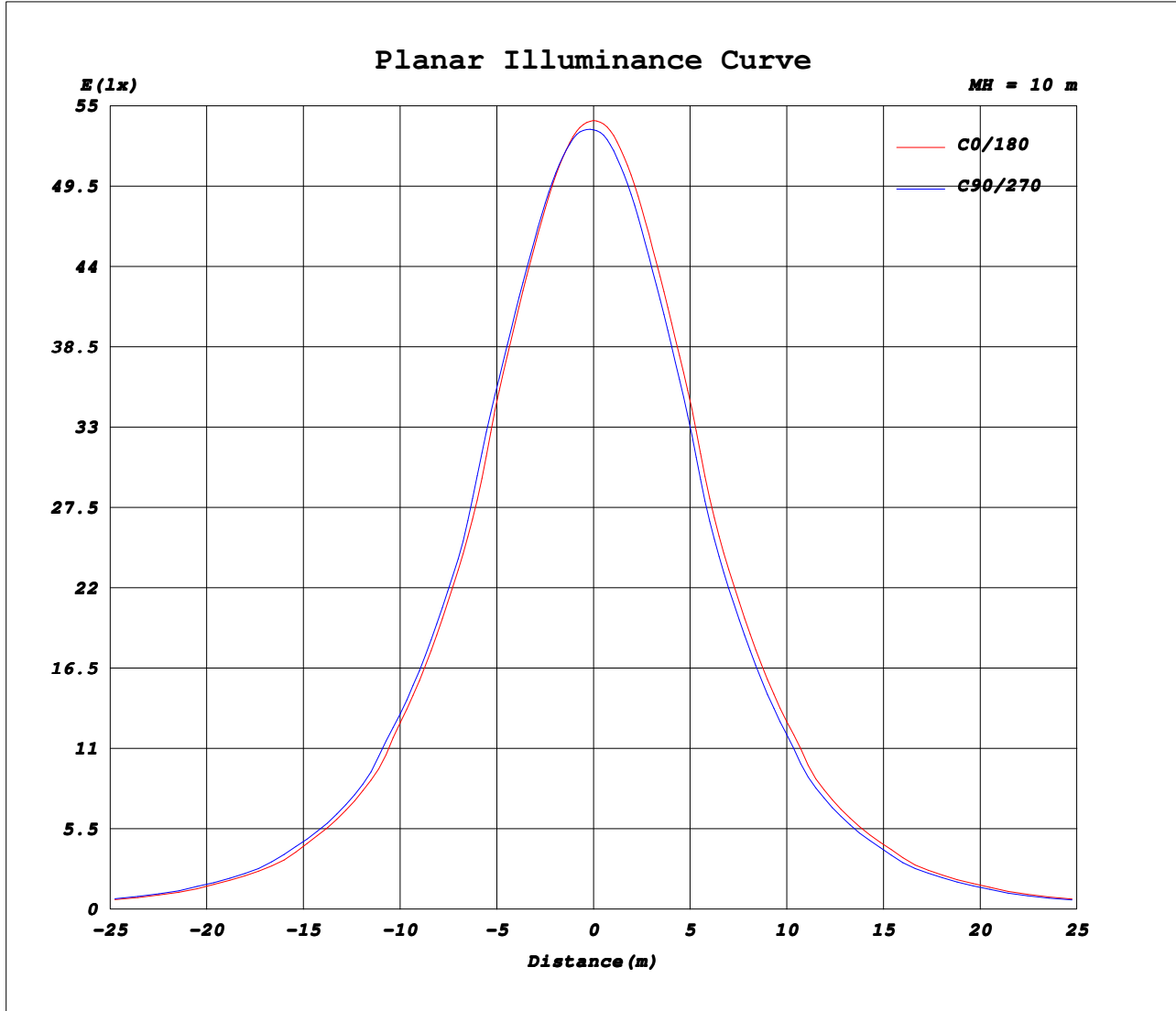
Test:U:230.45V I:0.4561A P:101.12W PF:0.9622 Freq:50.01Hz Lamp Flux:14159.6x1 lm		
NAME: KYH-Midi	TYPE:OUTDOOR	WEIGHT:5.2kg
SPEC.:100 WATT	DIM.: 262X430X50	SERIAL No.:
MFR.: LITPA AYDINLATMA	SUR.:	Shielding Angle:



C Range: 0 - 360DEG  
C Interval: 10.0DEG  
Test Speed: HIGH  
Temperature: 20DEG  
Operators: LITPA  
Test Date: 11/05/2021

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-100WATT-(LENSSÝZ)

## Planar Illuminance Curve



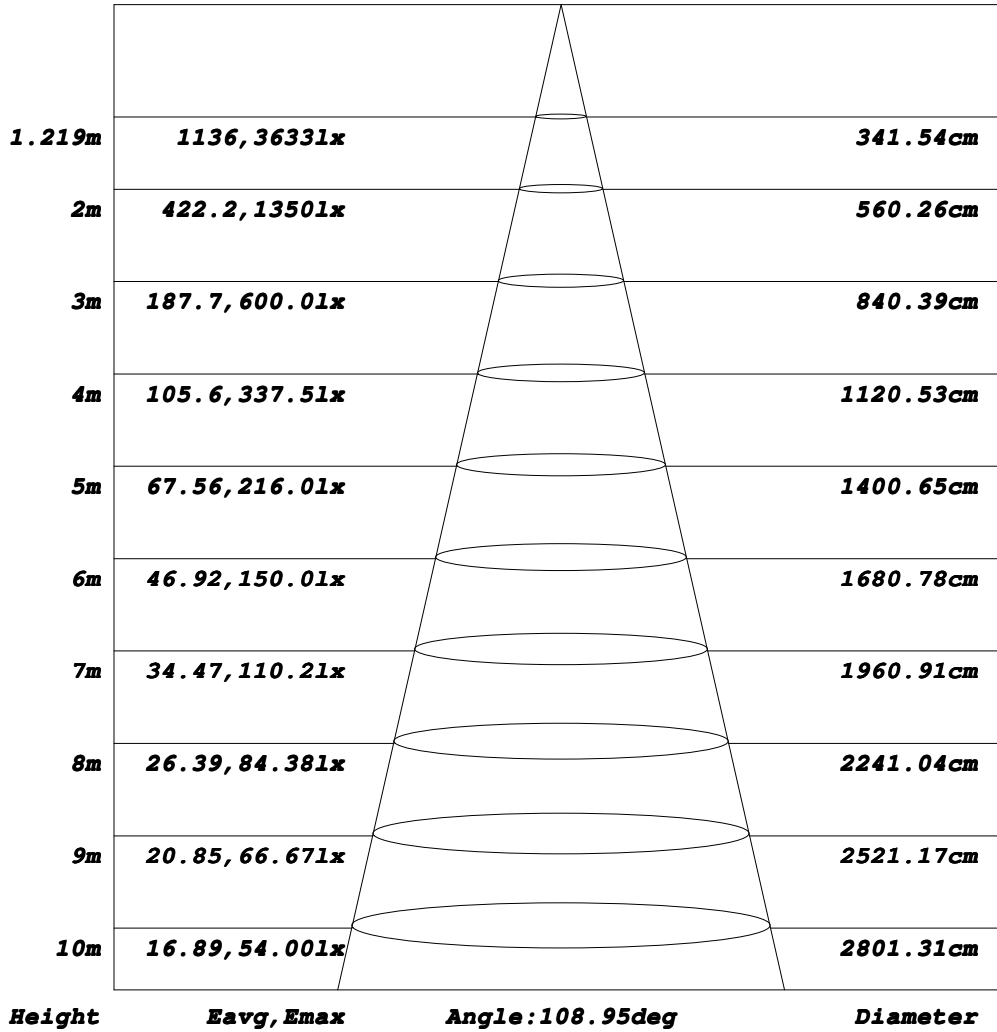
C Range: 0 - 360DEG  
C Interval: 10.0DEG  
Test Speed: HIGH  
Temperature: 20DEG  
Operators: LITPA  
Test Date: 11/05/2021

$\gamma$  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-100WATT-(LENSŞÝZ)

## AAI Figure

Test:U:230.45V I:0.4561A P:101.12W PF:0.9622 Freq:50.01Hz Lamp Flux:14159.6x1 lm		
NAME: KYH-Midi	TYPE:OUTDOOR	WEIGHT:5.2kg
SPEC.:100 WATT	DIM.: 262X430X50	SERIAL No.:
MFR.: LITPA AYDINLATMA	SUR.:	Shielding Angle:

Flux out:10822 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: 11/05/2021

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-100WATT-(LENSSÝZ)

## LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:230.45V I:0.4561A P:101.12W PF:0.9622 Freq:50.01Hz Lamp Flux:14159.6x1 lm		
NAME: KYH-Midi	TYPE:OUTDOOR	WEIGHT:5.2kg
SPEC.:100 WATT	DIM.: 262X430X50	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	1.87	5.13	8.39	7.32	6.26	5.20	4.13	3.73	3.33	2.99	2.66	2.52	2.39	2.25	2.10	2.04	1.97	1.88	1.80
-85	1.87	7.08	12.3	12.2	11.9	12.5	14.3	15.7	17.2	19.7	22.1	23.9	25.8	28.5	30.8	31.5	31.7	32.6	32.9
-80	1.87	8.99	14.4	18.4	23.7	30.9	40.1	50.7	65.0	82.8	103	124	143	163	186	199	207	218	226
-75	1.87	10.2	19.7	30.0	43.9	64.7	99.3	143	190	244	305	361	399	468	514	553	570	594	613
-70	1.87	11.1	27.3	46.7	75.5	133	216	299	386	489	600	705	786	905	982	1054	1096	1122	1133
-65	1.87	12.7	36.1	69.1	134	238	366	506	644	820	955	1120	1238	1372	1490	1601	1659	1693	1693
-60	1.87	16.1	46.7	103	215	367	543	760	943	1178	1368	1552	1744	1860	1980	2066	2179	2222	2239
-55	1.87	19.2	59.4	152	311	499	758	1016	1255	1489	1750	1957	2178	2368	2543	2699	2767	2811	2838
-50	1.87	22.5	73.5	211	410	670	960	1237	1583	1847	2140	2394	2642	2739	2947	3108	3177	3207	3231
-45	1.87	25.7	89.1	271	518	830	1159	1522	1837	2212	2446	2804	3032	3213	3435	3626	3712	3759	3785
-40	1.87	28.6	113	332	629	981	1330	1743	2146	2442	2802	3097	3311	3547	3815	3941	4024	4076	4108
-35	1.87	31.6	137	391	736	1119	1496	1950	2390	2659	3115	3333	3582	3800	4083	4206	4289	4340	4366
-30	1.87	34.7	162	440	828	1272	1708	2138	2592	2928	3429	3646	3918	4240	4484	4619	4724	4773	4808
-25	1.87	37.4	184	498	936	1372	1854	2341	2766	3153	3596	3872	4118	4489	4717	4845	4949	5010	5042
-20	1.87	39.6	206	545	993	1456	1959	2488	2874	3343	3706	3990	4252	4647	4844	4976	5080	5147	5173
-15	1.87	41.2	223	575	1039	1524	2039	2585	2957	3477	3799	4075	4368	4764	4939	5073	5174	5246	5275
-10	1.87	42.4	235	597	1073	1581	2096	2651	3020	3553	3869	4143	4444	4827	5001	5136	5236	5306	5339
-5	1.87	43.0	243	610	1094	1616	2132	2692	3067	3607	3924	4193	4502	4860	5023	5155	5254	5323	5365
0	1.87	43.1	246	614	1102	1628	2147	2709	3087	3633	3958	4232	4561	4935	5096	5229	5331	5392	5400
5	1.87	42.8	243	608	1091	1617	2123	2680	3055	3596	3913	4184	4502	4871	5040	5168	5257	5305	5294
10	1.87	41.9	234	592	1065	1581	2079	2627	2997	3529	3842	4110	4419	4783	4941	5063	5152	5200	5198
15	1.87	40.6	221	568	1025	1517	2017	2549	2922	3436	3746	4006	4289	4647	4808	4929	5013	5059	5061
20	1.87	38.7	204	533	969	1449	1930	2434	2823	3305	3617	3873	4115	4485	4655	4766	4853	4901	4907
25	1.87	36.3	182	486	898	1363	1818	2258	2699	3048	3433	3695	3932	4276	4461	4578	4653	4708	4712
30	1.87	33.4	159	432	790	1262	1685	2025	2497	2792	3159	3415	3608	3901	4098	4196	4256	4314	4303
35	1.87	30.1	134	387	703	1121	1524	1845	2273	2520	2909	3146	3325	3554	3780	3881	3949	3995	3996
40	1.87	26.9	110	330	613	963	1312	1676	2043	2320	2659	2904	3073	3286	3515	3601	3671	3712	3715
45	1.87	23.8	86.9	268	515	816	1148	1445	1738	2045	2307	2583	2784	2954	3145	3276	3347	3386	3387
50	1.87	20.5	70.2	209	415	651	942	1196	1471	1743	1957	2201	2358	2495	2644	2784	2842	2871	2874
55	1.87	17.0	55.1	151	317	515	721	973	1185	1416	1641	1804	2022	2158	2302	2418	2481	2507	2508
60	1.87	13.7	42.4	103	228	370	543	706	919	1097	1281	1416	1585	1701	1780	1869	1951	1978	1976
65	1.87	10.2	31.3	68.0	144	250	364	502	641	788	898	1045	1147	1265	1334	1398	1473	1489	1479
70	1.87	8.36	22.3	44.5	83.1	143	215	301	400	503	575	678	772	841	901	959	1005	1018	1019
75	1.87	7.25	14.4	27.3	45.2	70.2	106	152	205	253	309	365	416	459	486	533	571	574	562
80	1.87	5.89	8.63	15.0	23.4	32.0	41.6	57.6	77.2	94.7	113	136	158	175	190	208	224	227	226
85	1.87	4.03	6.01	7.59	9.57	11.7	14.5	17.7	21.4	24.4	27.0	30.8	34.8	37.2	39.3	42.1	44.5	44.2	43.3
90	1.87	2.16	2.46	2.65	2.85	3.02	3.19	3.25	3.31	3.42	3.52	3.57	3.61	3.63	3.65	3.54	3.43	3.26	3.09

**C Range: 0 - 360DEG**  
**C Interval: 10.0DEG**  
**Test Speed: HIGH**  
**Temperature: 20DEG**  
**Operators: LITPA**  
**Test Date: 11/05/2021**

**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-100WATT-(LENSSÝZ)**

## LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:230.45V I:0.4561A P:101.12W PF:0.9622 Freq:50.01Hz Lamp Flux:14159.6x1 lm		
NAME: KYH-Midi	TYPE:OUTDOOR	WEIGHT:5.2kg
SPEC.:100 WATT	DIM.: 262X430X50	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	1.74	1.69	1.63	1.56	1.53	1.50	1.47	1.44	1.41	1.37	1.35	1.32	1.30	1.28	1.29	1.30	1.30	1.30	
-85	31.6	29.9	28.8	27.3	24.5	21.5	19.3	17.3	14.8	12.1	10.4	9.11	7.29	5.75	4.61	3.81	2.60	1.30	
-80	216	202	192	175	150	130	112	92.6	71.5	55.0	42.9	31.9	22.7	15.0	9.85	6.07	3.89	1.30	
-75	593	566	546	505	455	386	337	283	222	168	126	87.2	55.2	33.9	20.2	10.3	5.00	1.30	
-70	1119	1091	1045	970	880	769	677	580	465	364	272	194	119	64.1	35.8	16.9	6.01	1.30	
-65	1683	1645	1576	1472	1349	1209	1100	933	791	612	479	335	218	119	57.8	25.6	7.41	1.30	
-60	2223	2180	2071	1969	1852	1727	1524	1346	1123	919	722	512	337	193	87.8	35.5	9.80	1.30	
-55	2812	2768	2703	2550	2364	2165	1952	1722	1475	1218	981	718	474	282	132	48.8	12.1	1.30	
-50	3206	3174	3108	2936	2741	2614	2374	2109	1828	1566	1203	926	629	377	184	61.7	15.0	1.30	
-45	3759	3715	3638	3455	3228	3037	2790	2452	2193	1822	1497	1139	790	490	238	74.9	18.3	1.30	
-40	4077	4033	3957	3835	3568	3326	3111	2782	2449	2111	1723	1310	946	587	292	96.8	21.2	1.30	
-35	4345	4300	4221	4103	3827	3591	3350	3087	2660	2380	1918	1466	1094	706	349	118	24.2	1.30	
-30	4774	4731	4635	4508	4259	3935	3658	3443	2908	2599	2112	1672	1233	794	406	139	27.2	1.30	
-25	5020	4969	4882	4762	4531	4159	3908	3630	3152	2777	2304	1835	1356	879	460	156	29.7	1.30	
-20	5158	5106	5020	4898	4701	4300	4036	3747	3323	2893	2482	1948	1436	948	502	174	31.9	1.30	
-15	5262	5209	5126	5002	4827	4425	4127	3845	3482	2983	2590	2028	1491	998	531	187	33.6	1.30	
-10	5331	5283	5200	5077	4901	4506	4204	3919	3589	3041	2647	2074	1529	1027	551	196	34.8	1.30	
-5	5370	5323	5236	5112	4945	4559	4237	3948	3615	3065	2672	2098	1549	1043	563	201	35.5	1.30	
0	5387	5329	5230	5105	4937	4539	4225	3942	3612	3063	2671	2100	1552	1045	566	203	35.7	1.30	
5	5253	5190	5089	4903	4681	4340	4040	3827	3486	2976	2621	2072	1537	1037	558	201	35.7	1.30	
10	5165	5100	5010	4881	4665	4268	3926	3666	3354	2876	2546	2026	1504	1013	541	196	35.1	1.30	
15	5033	4974	4886	4764	4590	4178	3844	3581	3240	2777	2450	1962	1454	974	518	186	34.1	1.30	
20	4881	4820	4732	4618	4435	4053	3756	3455	3085	2688	2300	1866	1389	915	487	173	32.6	1.30	
25	4690	4624	4546	4426	4224	3865	3612	3277	2852	2515	2130	1744	1303	845	446	155	30.7	1.30	
30	4296	4228	4164	4059	3847	3555	3331	3013	2585	2315	1890	1604	1181	744	395	138	28.3	1.30	
35	3981	3928	3857	3746	3498	3276	3076	2746	2374	2138	1745	1398	1042	658	341	120	25.4	1.30	
40	3698	3651	3579	3486	3243	3022	2824	2514	2177	1894	1582	1223	889	560	292	101	22.6	1.30	
45	3374	3329	3254	3100	2900	2728	2474	2182	1915	1623	1335	1048	753	471	241	78.8	19.9	1.30	
50	2862	2825	2763	2612	2455	2302	2101	1808	1621	1364	1069	841	596	378	184	65.2	16.8	1.30	
55	2499	2465	2391	2264	2112	1917	1690	1516	1305	1066	858	640	462	280	134	52.0	14.0	1.30	
60	1968	1929	1830	1736	1636	1498	1289	1174	988	789	604	473	335	197	94.7	39.4	11.7	1.30	
65	1481	1459	1375	1281	1178	1058	931	782	664	515	424	323	216	127	63.4	29.5	9.16	1.30	
70	1011	990	931	860	782	686	558	446	377	307	260	187	125	73.1	41.4	21.2	7.86	1.30	
75	559	544	502	445	383	308	255	214	195	167	129	92.5	61.8	41.2	25.6	14.5	7.01	1.30	
80	221	210	180	151	130	113	102	90.8	79.2	66.2	50.2	37.7	28.9	21.4	14.5	9.92	5.97	1.30	
85	41.8	39.8	37.1	34.1	32.2	30.0	26.7	23.5	21.4	18.8	15.6	13.0	10.6	9.14	8.59	8.02	4.55	1.30	
90	2.95	2.81	2.71	2.61	2.48	2.35	2.30	2.26	2.32	2.38	2.57	2.77	2.97	3.18	4.03	4.89	3.10	1.30	

C Range: 0 - 360DEG

C Interval: 10.0DEG

Test Speed: HIGH

Temperature:20DEG

Operators:LITPA

Test Date:11/05/2021

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-100WATT-(LENSŞÝZ)