

## Floodlight Summary:

Report based on lamp delivering 1000 lumens.

Maximum Intensity	387.8 cd per klm.
(Luminaire orientation as tested.)	0.0 degrees vertical
	0.0 degrees horizontal

Beam Spread	At 10% of Imax	149.2V x 148.9H
	At 50% of Imax	106.0V x 106.4H
	At 90% of Imax	51.1V x 51.9H

Beam Flux	Total	1000.1 lumens per klm.
	To 10% of Imax	981.6 lumens per klm.
	To 50% of Imax	749.4 lumens per klm.
	To 90% of Imax	220.0 lumens per klm.

Upward LOR	0.0 %
Downward LOR	100.0 %

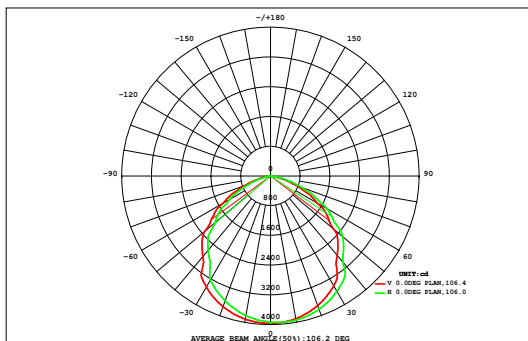
Luminaire Efficiency (Light Output Ratio)	100.0 %
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C Range: 0 - 360DEG  
C Interval: 10.0DEG  
Test Speed: HIGH  
Temperature: 20DEG  
Operators: LITPA  
Test Date: 12/05/2021

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-80WATT-(LENSSÝZ)

## LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:230.56V I:0.3543A P:79.549W PF:0.9738 Freq:50.01Hz Lamp Flux:10209.2x1 lm		
NAME: KYH-Mini	TYPE:OUTDOOR	WEIGHT:4kg
SPEC.:80 WATT	DIM.: 220X390X50	SERIAL No.:
MFR.: LITPA AYDINLATMA	SUR.:	Shielding Angle:



DATA OF LAMP		Eff:128.34lm/W	
MODEL	KYH-Mini	Imax (cd)	3960
NOMINAL POWER (W)	80	AVAILABILITY (%)	98.2
RATED VOLTAGE (V)	230.0	Avai. FLUX (lm)	10023
NOMINAL FLUX (lm)	10209.2	LOR (%)	100.0
LAMPS INSIDE	1	TOTAL FLUX (lm)	10209
TEST VOLTAGE (V)	230	θ @50% (H,V)	106,106DEG

VERTICAL (DEG)	AREA FLUX DIAGRAM																UNIT:lm		Φ t	Φ a
	0.01	0.04	0.09	0.16	0.27	0.39	0.52	0.63	0.67	0.63	0.57	0.48	0.38	0.28	0.19	0.12	0.06	0.01	5.49	0.00
90	0.01	0.04	0.09	0.16	0.27	0.39	0.52	0.63	0.67	0.63	0.57	0.48	0.38	0.28	0.19	0.12	0.06	0.01	5.49	0.00
80	0.02	0.13	0.42	1.10	2.41	4.13	6.09	7.76	8.66	8.31	6.59	4.78	3.59	2.32	1.14	0.48	0.17	0.03	58.1	14.3
70	0.03	0.29	1.42	4.38	9.13	14.9	20.7	25.4	28.1	27.9	24.4	17.5	11.5	8.20	4.35	1.50	0.35	0.04	200	177
60	0.04	0.59	3.51	9.70	18.8	28.8	38.3	46.3	49.8	49.6	45.7	36.7	25.5	16.5	9.48	3.61	0.67	0.06	384	375
50	0.06	1.08	6.16	15.8	28.8	42.9	56.3	66.0	70.6	70.4	65.5	55.6	40.5	26.8	15.3	6.35	1.20	0.08	570	565
40	0.08	1.68	8.85	21.7	37.8	54.5	71.3	81.8	87.3	87.0	81.2	70.8	52.8	36.5	21.6	9.08	1.84	0.10	726	722
30	0.10	2.28	11.3	26.8	46.3	65.6	84.9	96.9	103	103	96.5	84.5	63.9	45.2	27.0	11.6	2.47	0.12	872	869
20	0.11	2.78	13.0	30.0	51.4	72.5	92.5	105	112	112	105	91.2	71.0	50.9	30.5	13.4	2.97	0.13	956	954
10	0.12	3.06	14.0	31.9	54.3	76.5	97.1	111	118	117	109	95.1	76.5	54.8	32.7	14.4	3.25	0.14	1008	1006
0	0.12	3.11	14.1	32.3	54.9	77.3	97.9	111	119	120	113	99.7	79.7	56.2	33.3	14.7	3.31	0.14	1029	1027
-10	0.12	2.93	13.5	31.1	53.2	75.1	96.1	110	117	117	111	97.7	77.6	54.7	32.2	14.1	3.13	0.13	1006	1004
-20	0.11	2.53	12.1	28.7	49.6	70.5	91.4	105	112	112	105	92.6	72.7	50.9	29.6	12.7	2.73	0.12	950	947
-30	0.10	1.97	9.97	24.7	43.7	63.1	83.0	95.5	102	102	95.8	83.9	64.3	44.6	25.3	10.3	2.14	0.10	852	849
-40	0.08	1.35	7.20	18.9	34.2	50.7	66.6	78.1	83.5	83.6	78.3	67.5	51.2	34.7	19.3	7.44	1.45	0.08	684	680
-50	0.06	0.78	4.43	12.5	23.8	36.8	48.6	59.0	63.4	63.3	59.0	49.2	37.0	23.9	12.6	4.58	0.82	0.06	500	493
-60	0.05	0.41	2.01	6.26	12.8	21.0	28.9	35.5	39.0	38.9	35.6	28.8	20.8	12.8	6.32	2.09	0.41	0.04	292	278
-70	0.03	0.22	0.69	1.90	4.15	7.18	10.5	13.3	14.8	14.7	13.1	10.2	6.96	4.06	1.90	0.67	0.19	0.03	105	60.9
-80	0.02	0.11	0.23	0.39	0.62	0.92	1.22	1.47	1.57	1.54	1.37	1.11	0.82	0.54	0.32	0.17	0.07	0.01	12.5	0.00
-90	0.02	0.11	0.23	0.39	0.62	0.92	1.22	1.47	1.57	1.54	1.37	1.11	0.82	0.54	0.32	0.17	0.07	0.01	12.5	0.00
	-90	-80	-70	-60	-50	-40	-30	-20	HORIZONTAL (DEG)	20	30	40	50	60	70	80	90			
Φ t	1.25	25.3	123	298	526	763	992	1149	1229	1228	1147	987	757	524	303	127	27.2	1.42	10209	---
Φ a	0.00	10.8	111	287	515	752	981	1139	1219	1219	1136	976	745	512	292	115	12.8	0.00	---	10023

one-half-peak spread: U:50.8,D:49.9 , L:55.1,R:52.0

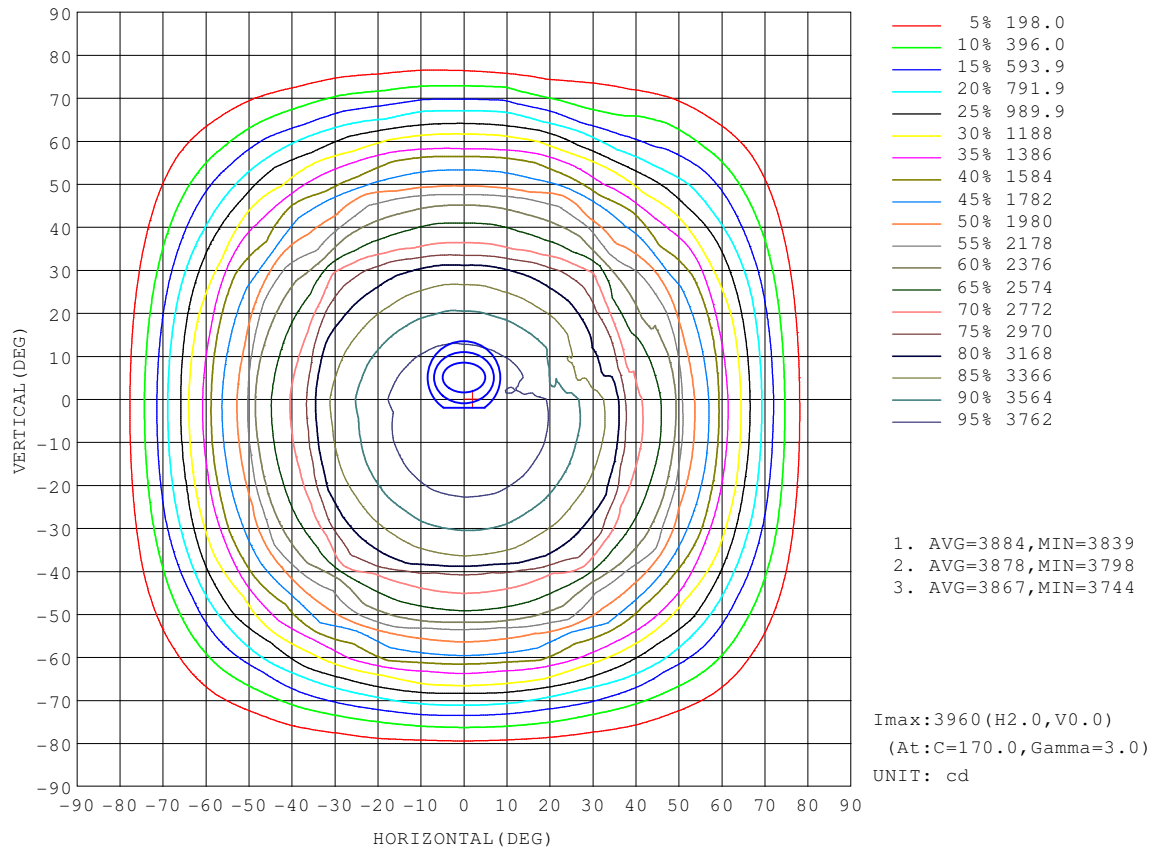
NEMA Beam Type: Type 7

**C Range: 0 - 360DEG**  
**C Interval: 10.0DEG**  
**Test Speed: HIGH**  
**Temperature:20DEG**  
**Operators:LITPA**  
**Test Date:12/05/2021**

**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-80WATT-(LENSŞÝZ)**

## ISOCANDELA DIAGRAM

Test:U:230.56V I:0.3543A P:79.549W PF:0.9738 Freq:50.01Hz Lamp Flux:10209.2x1 lm		
NAME: KYH-Mini	TYPE:OUTDOOR	WEIGHT:4kg
SPEC.:80 WATT	DIM.: 220X390X50	SERIAL No.:
MFR.: LITPA AYDINLATMA	SUR.:	Shielding Angle:

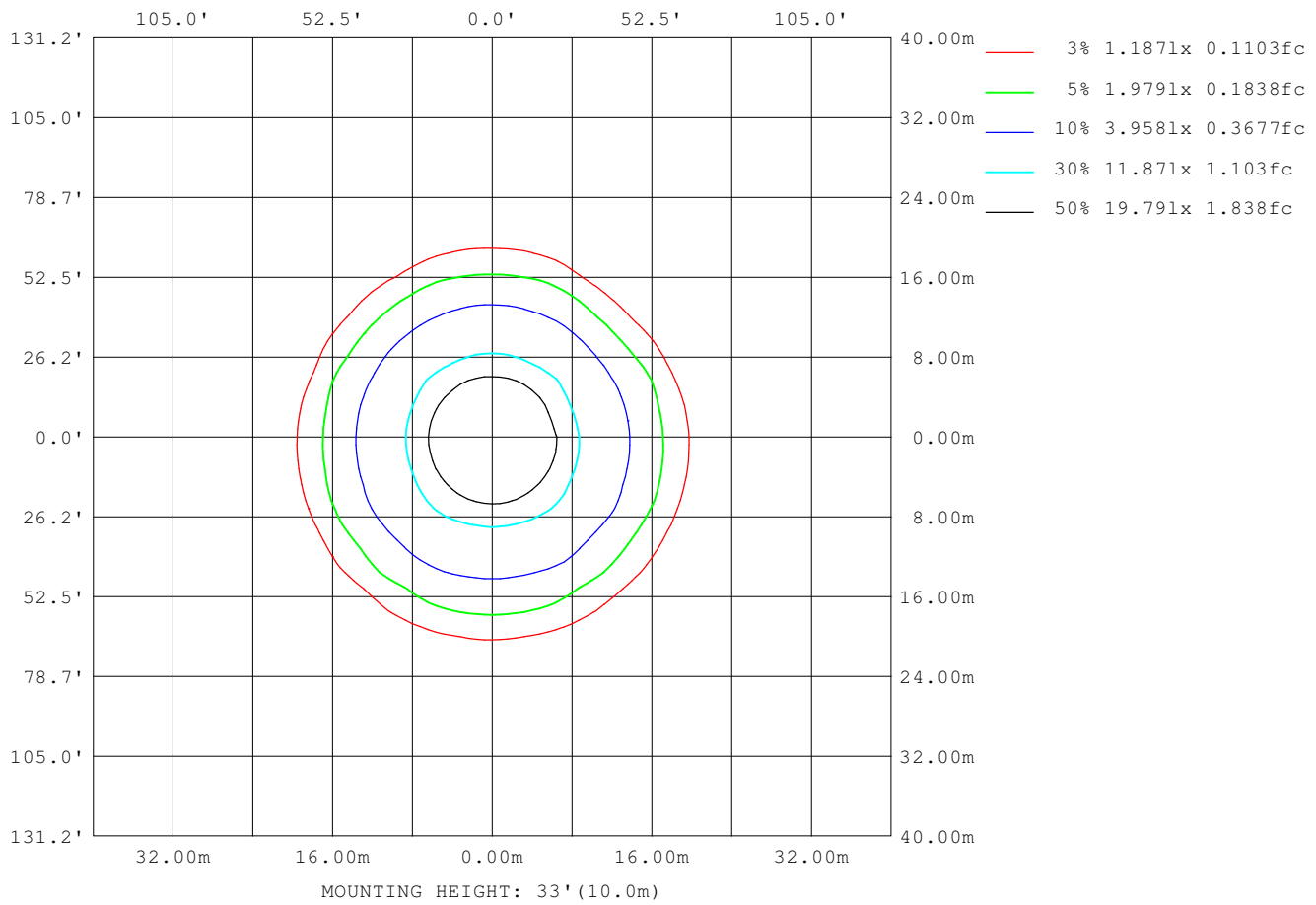


C Range: 0 - 360DEG  
C Interval: 10.0DEG  
Test Speed: HIGH  
Temperature:20DEG  
Operators:LITPA  
Test Date:12/05/2021

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-80WATT-(LENSSÝZ)

## ISOLUX DIAGRAM

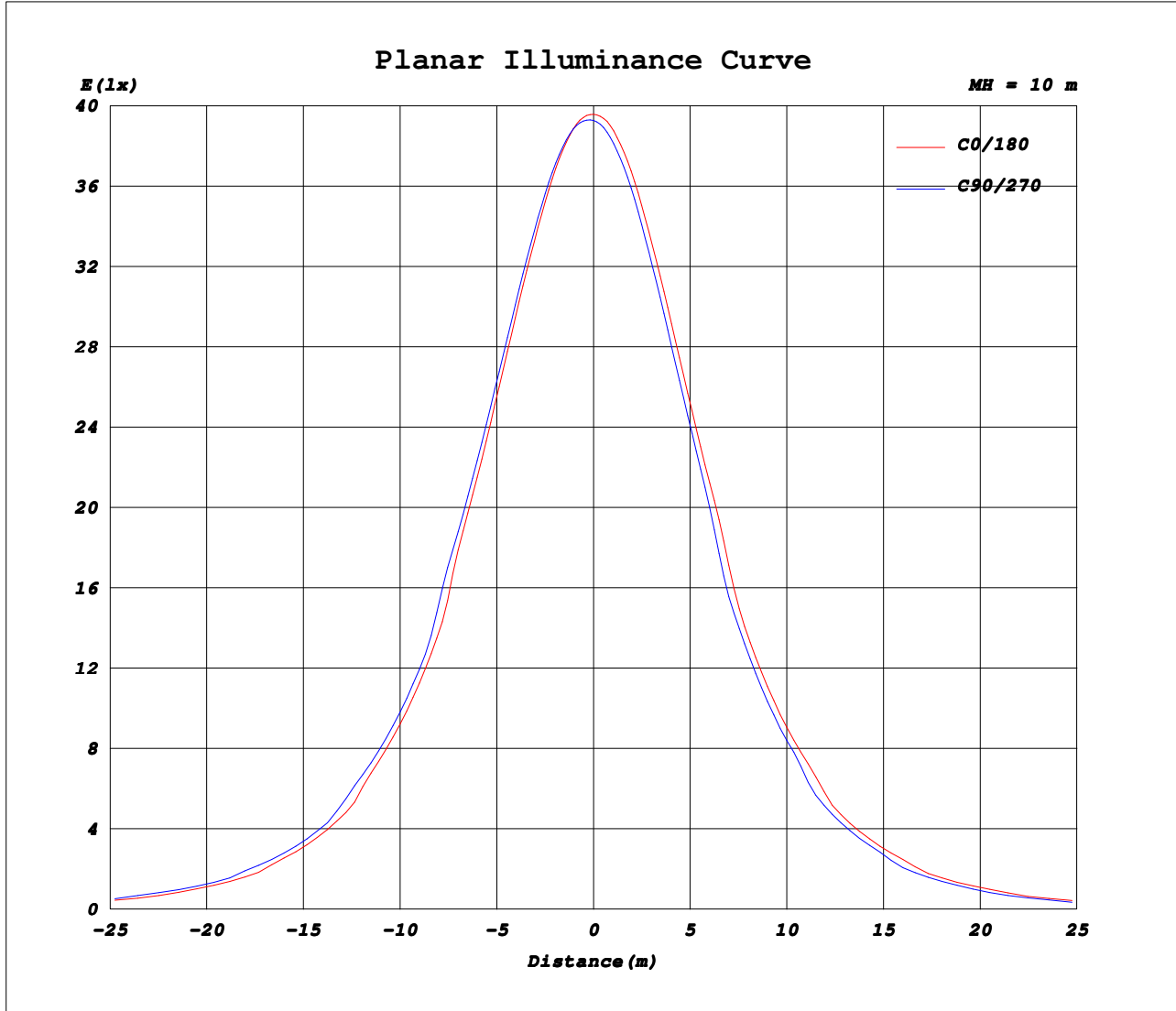
Test:U:230.56V I:0.3543A P:79.549W PF:0.9738 Freq:50.01Hz Lamp Flux:10209.2x1 lm		
NAME: KYH-Mini	TYPE:OUTDOOR	WEIGHT:4kg
SPEC.:80 WATT	DIM.: 220X390X50	SERIAL No.:
MFR.: LITPA AYDINLATMA	SUR.:	Shielding Angle:



C Range: 0 - 360DEG  
C Interval: 10.0DEG  
Test Speed: HIGH  
Temperature: 20DEG  
Operators: LITPA  
Test Date: 12/05/2021

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-80WATT-(LENSSÝZ)

## Planar Illuminance Curve



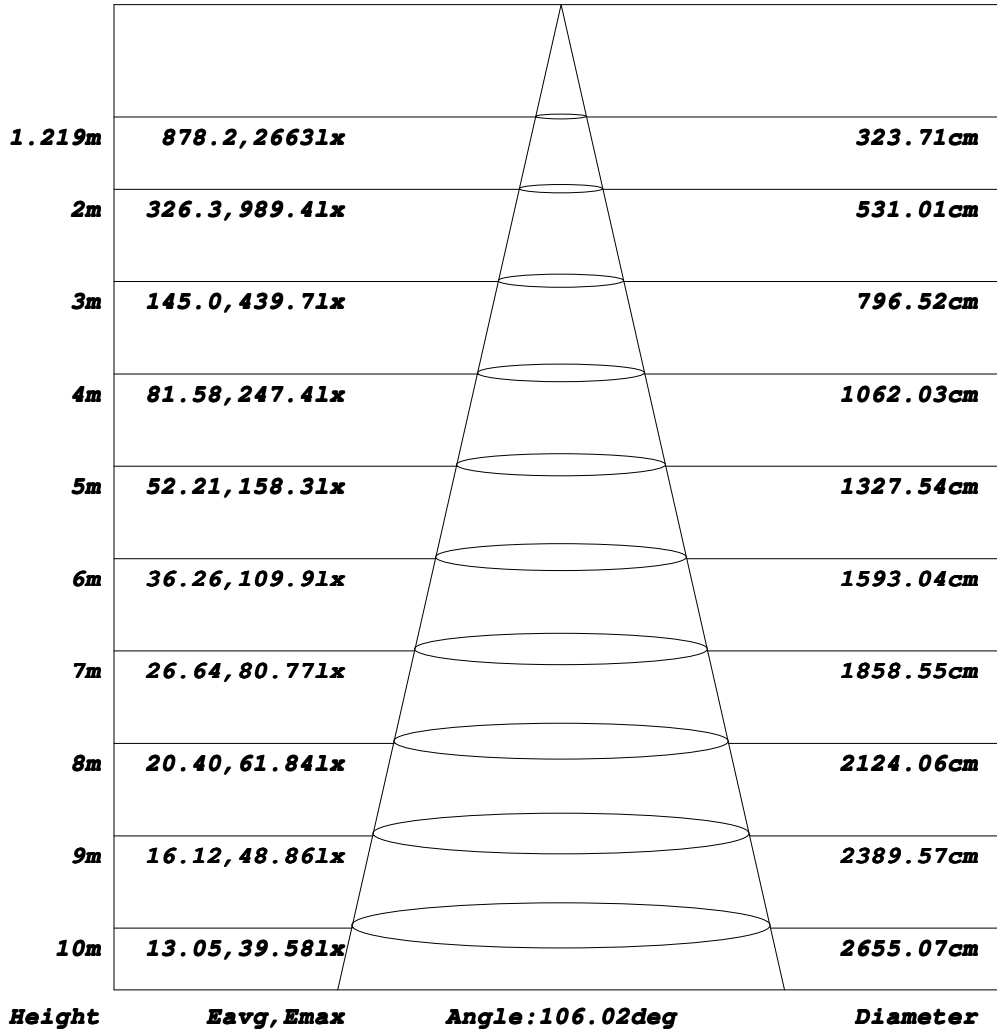
C Range: 0 - 360DEG  
C Interval: 10.0DEG  
Test Speed: HIGH  
Temperature: 20DEG  
Operators: LITPA  
Test Date: 12/05/2021

$\gamma$  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-80WATT-(LENSŞÝZ)

## AAI Figure

Test:U:230.56V I:0.3543A P:79.549W PF:0.9738 Freq:50.01Hz Lamp Flux:10209.2x1 lm		
NAME: KYH-Mini	TYPE:OUTDOOR	WEIGHT:4kg
SPEC.:80 WATT	DIM.: 220X390X50	SERIAL No.:
MFR.: LITPA AYDINLATMA	SUR.:	Shielding Angle:

Flux out:7769 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: 12/05/2021

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-80WATT-(LENSSÝZ)

## LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:230.56V I:0.3543A P:79.549W PF:0.9738 Freq:50.01Hz Lamp Flux:10209.2x1 lm		
NAME: KYH-Mini	TYPE:OUTDOOR	WEIGHT:4kg
SPEC.:80 WATT	DIM.: 220X390X50	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	0.93	4.64	8.36	8.23	8.11	7.79	7.46	7.44	7.41	7.15	6.88	6.87	6.85	6.62	6.40	6.23	6.06	5.72	5.38
-85	0.93	6.16	12.0	13.5	14.8	16.2	18.4	20.2	22.2	24.9	27.8	30.1	32.6	35.4	38.0	38.7	39.1	39.4	39.3
-80	0.93	7.63	14.7	18.6	23.7	29.5	36.8	45.2	54.2	67.5	86.8	100	114	130	148	156	160	167	171
-75	0.93	9.10	18.2	26.3	36.0	50.2	67.3	98.4	138	178	230	276	313	360	394	439	459	469	473
-70	0.93	10.5	22.7	35.5	54.5	80.5	135	202	274	357	443	539	618	686	754	808	853	874	884
-65	0.93	12.0	27.9	48.1	75.9	142	242	346	472	578	708	828	942	1046	1120	1194	1261	1292	1306
-60	0.93	13.4	32.9	62.5	119	229	369	511	683	846	1009	1157	1304	1441	1577	1665	1712	1742	1757
-55	0.93	14.7	39.5	78.1	179	321	504	706	908	1068	1297	1472	1645	1700	1875	1970	2023	2050	2066
-50	0.93	16.4	46.6	106	249	426	640	909	1113	1370	1566	1801	1965	2157	2321	2416	2473	2511	2532
-45	0.93	18.3	53.7	145	317	545	809	1086	1331	1589	1833	2035	2182	2404	2567	2663	2723	2761	2778
-40	0.93	20.1	61.0	183	387	629	953	1227	1557	1819	2076	2316	2489	2767	2854	2949	3009	3022	3033
-35	0.93	21.5	67.2	216	456	753	1103	1371	1733	2028	2334	2525	2800	3048	3171	3279	3355	3398	3420
-30	0.93	22.7	71.6	247	515	850	1204	1559	1843	2206	2473	2671	3002	3200	3332	3436	3517	3560	3580
-25	0.93	23.7	76.1	284	587	912	1278	1670	1933	2349	2576	2792	3142	3321	3461	3563	3644	3688	3710
-20	0.93	24.4	85.2	312	621	959	1334	1743	2015	2430	2654	2909	3261	3421	3560	3668	3749	3797	3814
-15	0.93	24.9	91.5	327	649	1005	1380	1794	2098	2494	2716	2978	3328	3495	3631	3741	3818	3869	3889
-10	0.93	25.1	95.1	337	667	1061	1419	1832	2161	2536	2759	3060	3371	3533	3673	3786	3862	3910	3935
-5	0.93	25.0	96.2	341	676	1087	1437	1854	2213	2560	2785	3105	3392	3549	3686	3794	3874	3921	3948
0	0.93	24.7	94.9	340	675	1088	1435	1857	2210	2564	2792	3118	3406	3572	3708	3817	3900	3946	3958
5	0.93	24.5	93.3	334	666	1071	1418	1834	2182	2533	2757	3070	3363	3525	3663	3771	3846	3887	3887
10	0.93	24.1	89.8	323	650	1035	1384	1792	2102	2481	2702	2995	3301	3461	3590	3694	3770	3813	3817
15	0.93	23.4	84.3	308	624	983	1333	1734	2023	2409	2626	2884	3206	3358	3490	3590	3666	3706	3707
20	0.93	22.4	76.9	288	589	922	1268	1664	1924	2315	2528	2753	3083	3234	3360	3459	3529	3571	3576
25	0.93	21.3	67.9	257	541	850	1179	1568	1822	2194	2408	2598	2926	3090	3204	3307	3373	3416	3421
30	0.93	19.9	62.8	219	462	776	1079	1421	1680	1974	2256	2411	2742	2903	3019	3121	3185	3236	3236
35	0.93	18.4	57.8	179	398	676	962	1206	1522	1696	2023	2141	2392	2557	2678	2760	2804	2840	2834
40	0.93	16.6	51.0	142	327	566	798	1060	1343	1542	1794	1956	2118	2337	2448	2517	2577	2614	2615
45	0.93	14.6	43.0	108	267	462	686	892	1115	1325	1589	1741	1881	2078	2211	2287	2341	2375	2381
50	0.93	12.4	35.8	79.1	200	352	539	709	912	1105	1260	1439	1548	1705	1821	1875	1928	1950	1953
55	0.93	10.6	28.9	59.4	139	259	394	564	695	865	1022	1170	1307	1399	1519	1614	1662	1685	1686
60	0.93	9.40	22.8	46.1	88.0	174	273	382	511	639	763	860	979	1070	1160	1226	1264	1281	1282
65	0.93	8.17	17.8	33.1	55.7	99.9	164	242	328	417	501	575	669	741	791	840	895	910	909
70	0.93	6.51	12.8	22.6	36.6	53.5	80.7	126	179	237	283	337	413	447	490	535	571	579	579
75	0.93	4.64	9.14	15.0	21.8	30.5	40.0	54.7	77.9	102	127	152	183	206	218	247	275	276	270
80	0.93	3.01	6.29	8.85	12.1	15.6	18.7	23.5	28.7	33.5	38.1	44.8	51.1	55.8	61.0	65.0	66.7	64.9	62.2
85	0.93	1.97	2.61	3.99	5.57	6.63	7.20	8.08	9.24	10.2	11.0	12.3	13.7	14.5	15.1	16.2	17.1	16.4	15.5
90	0.93	0.93	0.93	0.93	0.93	0.95	0.96	0.97	0.98	1.01	1.04	1.05	1.06	1.08	1.09	1.12	1.14	1.15	1.16

**C Range: 0 - 360DEG**  
**C Interval: 10.0DEG**  
**Test Speed: HIGH**  
**Temperature: 20DEG**  
**Operators: LITPA**  
**Test Date: 12/05/2021**

**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-80WATT-(LENSŞÝZ)**

## LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:230.56V I:0.3543A P:79.549W PF:0.9738 Freq:50.01Hz Lamp Flux:10209.2x1 lm		
NAME: KYH-Mini	TYPE:OUTDOOR	WEIGHT:4kg
SPEC.:80 WATT	DIM.: 220X390X50	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	5.22	5.06	4.82	4.59	4.44	4.29	4.05	3.82	3.68	3.53	3.30	3.07	2.82	2.56	2.18	1.80	1.51	1.22	
-85	38.4	37.1	36.1	34.7	31.7	28.6	26.2	23.8	20.9	18.0	16.0	14.2	11.7	9.81	8.52	6.90	3.89	1.22	
-80	165	156	146	133	118	105	92.3	79.5	63.5	50.7	41.5	33.2	25.6	19.5	14.2	9.62	6.24	1.22	
-75	466	454	435	401	354	308	263	220	175	135	98.9	66.7	47.7	32.9	22.5	14.1	7.76	1.22	
-70	870	845	800	745	677	608	526	441	349	280	203	142	83.6	53.0	33.0	19.6	8.87	1.22	
-65	1289	1262	1229	1159	1056	953	838	709	572	472	342	245	151	79.3	47.1	25.3	10.3	1.22	
-60	1742	1710	1663	1576	1434	1296	1159	1005	850	683	520	378	233	129	62.5	31.7	12.7	1.22	
-55	2050	2021	1970	1891	1715	1629	1489	1303	1102	922	701	517	343	189	83.2	39.5	14.9	1.22	
-50	2515	2478	2419	2334	2214	1999	1826	1573	1393	1131	928	657	446	262	115	47.9	17.1	1.22	
-45	2765	2731	2673	2583	2449	2207	2052	1878	1589	1382	1109	817	563	338	153	56.2	19.2	1.22	
-40	3014	2992	2936	2822	2776	2561	2324	2099	1854	1557	1263	968	660	418	196	63.6	21.2	1.22	
-35	3404	3369	3297	3200	3080	2872	2560	2356	2123	1757	1409	1138	782	483	236	71.5	23.0	1.22	
-30	3571	3534	3458	3361	3239	3089	2757	2515	2271	1891	1613	1241	877	557	271	80.1	24.7	1.22	
-25	3701	3666	3592	3495	3363	3212	2878	2625	2402	1985	1718	1319	947	613	304	87.8	26.2	1.22	
-20	3808	3772	3702	3602	3470	3316	3047	2712	2485	2090	1794	1380	1009	646	333	98.9	27.4	1.22	
-15	3888	3851	3781	3681	3549	3392	3157	2778	2554	2190	1852	1428	1072	678	354	107	28.3	1.22	
-10	3934	3898	3831	3733	3596	3442	3232	2828	2603	2260	1886	1477	1117	700	366	113	28.9	1.22	
-5	3954	3918	3852	3753	3624	3467	3264	2843	2617	2297	1902	1492	1136	706	370	116	29.2	1.22	
0	3955	3913	3840	3743	3614	3452	3257	2833	2610	2304	1900	1478	1133	700	368	116	29.2	1.22	
5	3867	3826	3736	3555	3435	3275	3130	2758	2558	2257	1870	1457	1117	691	361	114	29.0	1.22	
10	3796	3753	3680	3537	3371	3198	2987	2600	2487	2155	1823	1417	1082	673	349	110	28.6	1.22	
15	3694	3649	3576	3481	3329	3143	2871	2564	2398	2050	1759	1360	1027	646	332	103	27.9	1.22	
20	3560	3515	3444	3352	3218	3011	2700	2418	2258	1936	1675	1291	951	613	309	93.0	26.9	1.22	
25	3407	3358	3292	3195	3084	2879	2532	2278	2134	1827	1577	1201	872	576	274	80.8	25.7	1.22	
30	3228	3173	3103	3000	2877	2729	2333	2169	1934	1663	1428	1096	799	493	233	73.7	24.2	1.22	
35	2832	2786	2737	2657	2539	2352	2071	1925	1640	1489	1205	971	694	425	198	67.0	22.5	1.22	
40	2609	2567	2505	2433	2323	2102	1863	1708	1474	1282	1039	802	579	349	163	59.5	20.7	1.22	
45	2370	2332	2275	2196	2045	1829	1649	1448	1238	1061	881	691	486	280	129	51.1	18.7	1.22	
50	1945	1916	1859	1804	1691	1475	1303	1153	1008	848	686	545	360	212	95.1	43.3	16.6	1.22	
55	1678	1650	1599	1492	1337	1212	1014	886	739	638	561	401	266	151	69.4	35.8	14.5	1.22	
60	1276	1252	1208	1115	978	843	694	615	554	492	377	277	182	98.8	54.2	29.0	12.6	1.22	
65	905	884	816	738	608	500	422	417	386	317	242	168	106	63.3	40.0	23.7	10.6	1.22	
70	575	556	480	395	330	295	273	257	225	178	126	86.2	59.5	42.5	28.4	18.3	9.10	1.22	
75	256	234	203	176	168	151	138	118	97.7	76.8	57.1	44.1	35.0	26.5	20.0	13.7	7.76	1.22	
80	60.3	57.9	56.0	53.0	50.5	47.5	43.7	38.5	34.7	30.8	26.0	21.6	19.0	15.8	12.7	10.1	6.22	1.22	
85	15.6	15.4	14.7	13.8	13.3	12.7	11.8	11.0	10.9	10.4	9.49	8.91	8.79	8.15	7.41	6.85	4.30	1.22	
90	1.19	1.21	1.24	1.26	1.29	1.32	1.44	1.55	1.76	1.96	2.07	2.18	2.43	2.67	3.09	3.51	2.37	1.22	

**C Range: 0 - 360DEG**  
**C Interval: 10.0DEG**  
**Test Speed: HIGH**  
**Temperature: 20DEG**  
**Operators: LITPA**  
**Test Date: 12/05/2021**

**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-80WATT-(LENSŞÝZ)**