

## Floodlight Summary:

Report based on lamp delivering 1000 lumens.

Maximum Intensity	911.7 cd per klm.
(Luminaire orientation as tested.)	0.0 degrees vertical
	0.0 degrees horizontal

Beam Spread	At 10% of Imax	114.7V x 115.3H
	At 50% of Imax	52.1V x 52.7H
	At 90% of Imax	17.0V x 18.4H

Beam Flux	Total	1000.2 lumens per klm.
	To 10% of Imax	940.9 lumens per klm.
	To 50% of Imax	406.1 lumens per klm.
	To 90% of Imax	64.4 lumens per klm.

Upward LOR	0.0 %
Downward LOR	100.0 %

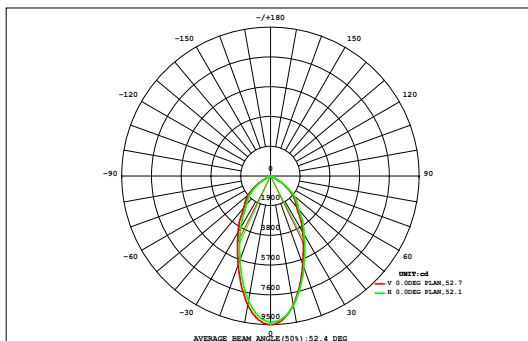
Luminaire Efficiency (Light Output Ratio)	100.0 %
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C Range: 0 - 360DEG  
C Interval: 10.0DEG  
Test Speed: HIGH  
Temperature: 20DEG  
Operators: LITPA  
Test Date: 12/05/2021

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-60°

## LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:230.52V I:0.3562A P:80.006W PF:0.9744 Freq:50.01Hz Lamp Flux:10414.2x1 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:130.17lm/W	
MODEL	KYH-Mini	Imax(cd)	9495
NOMINAL POWER(W)	80	AVAILABILITY(%)	94.1
RATED VOLTAGE(V)	230.0	Avai. FLUX(lm)	9799
NOMINAL FLUX(lm)	10414.2	LOR(%)	100.0
LAMPS INSIDE	1	TOTAL FLUX(lm)	10414
TEST VOLTAGE(V)	230	θ @50% (H,V)	53,52DEG

VERTICAL (DEG)	AREA FLUX DIAGRAM																UNIT:lm		Φ t	Φ a
	0.00	0.01	0.04	0.07	0.12	0.18	0.25	0.30	0.33	0.30	0.26	0.22	0.17	0.12	0.09	0.06	0.04	0.01	2.59	0.00
90	0.01	0.05	0.20	0.49	0.93	1.48	2.04	2.42	2.57	2.54	2.19	1.72	1.34	0.89	0.48	0.22	0.08	0.01	19.7	0.00
80	0.01	0.13	0.57	1.43	2.62	3.98	5.46	6.90	7.83	7.81	6.75	4.98	3.47	2.54	1.43	0.60	0.17	0.02	56.7	0.00
70	0.02	0.26	1.11	2.63	5.00	10.3	19.5	27.7	32.1	31.8	27.1	18.8	9.42	4.74	2.65	1.16	0.30	0.03	195	94.9
60	0.03	0.41	1.69	4.15	12.7	29.1	44.7	55.2	60.7	60.4	54.6	44.0	27.6	12.0	4.21	1.75	0.45	0.03	414	371
50	0.04	0.56	2.24	7.75	26.0	45.7	65.6	82.0	92.2	91.5	80.8	64.7	44.3	24.9	8.13	2.31	0.60	0.04	639	611
40	0.04	0.68	2.77	13.5	36.8	60.4	90.9	120	141	139	118	89.0	57.8	35.7	14.1	2.89	0.72	0.05	923	903
30	0.05	0.77	3.33	18.2	43.3	73.0	115	165	205	202	161	111	70.6	43.1	18.9	3.56	0.80	0.06	1234	1217
20	0.05	0.82	3.80	21.1	47.0	81.5	134	203	261	255	195	130	81.4	47.5	21.9	4.12	0.84	0.06	1489	1472
10	0.06	0.83	3.86	21.4	47.4	81.8	134	201	261	265	207	137	84.5	48.8	22.4	4.21	0.85	0.06	1522	1506
0	0.05	0.80	3.47	19.0	44.4	75.1	120	172	215	215	174	122	77.9	46.2	20.4	3.76	0.81	0.06	1309	1292
-10	0.05	0.72	2.91	14.5	39.1	64.8	97.9	131	154	154	132	99.5	67.0	40.3	15.7	3.06	0.73	0.05	1017	997
-20	0.04	0.61	2.38	8.81	29.7	51.8	75.5	94.6	106	107	95.1	76.4	52.8	30.5	9.53	2.43	0.61	0.04	744	718
-30	0.04	0.48	1.86	4.75	15.3	34.2	52.1	64.8	71.5	71.6	65.4	52.8	34.7	16.1	4.93	1.87	0.47	0.03	493	455
-40	0.03	0.33	1.29	3.05	5.93	13.5	24.9	35.4	40.6	40.5	35.5	25.3	13.9	6.06	3.05	1.28	0.31	0.02	251	163
-50	0.02	0.20	0.74	1.75	3.13	4.82	6.81	9.14	10.6	10.6	9.15	6.83	4.81	3.10	1.73	0.70	0.17	0.01	74.3	0.00
-60	0.02	0.12	0.32	0.68	1.23	1.94	2.69	3.21	3.37	3.34	3.15	2.64	1.92	1.20	0.65	0.26	0.07	0.01	26.8	0.00
-70	0.01	0.07	0.12	0.16	0.22	0.32	0.43	0.52	0.55	0.54	0.50	0.40	0.30	0.20	0.11	0.06	0.02	0.00	4.53	0.00
-80	0.01	0.07	0.12	0.16	0.22	0.32	0.43	0.52	0.55	0.54	0.50	0.40	0.30	0.20	0.11	0.06	0.02	0.00	4.53	0.00
-90	0.01	0.07	0.12	0.16	0.22	0.32	0.43	0.52	0.55	0.54	0.50	0.40	0.30	0.20	0.11	0.06	0.02	0.00	4.53	0.00
HORIZONTAL (DEG)																				
Φ t	0.57	7.84	32.7	143	361	634	991	1374	1665	1659	1366	988	634	364	150	34.3	8.04	0.61	10414	---
Φ a	0.00	0.00	0.00	78.9	316	593	952	1335	1626	1620	1328	949	594	319	88.6	0.00	0.00	0.00	---	9799

one-half-peak spread: U:27.7,D:24.9 , L:26.5,R:26.7

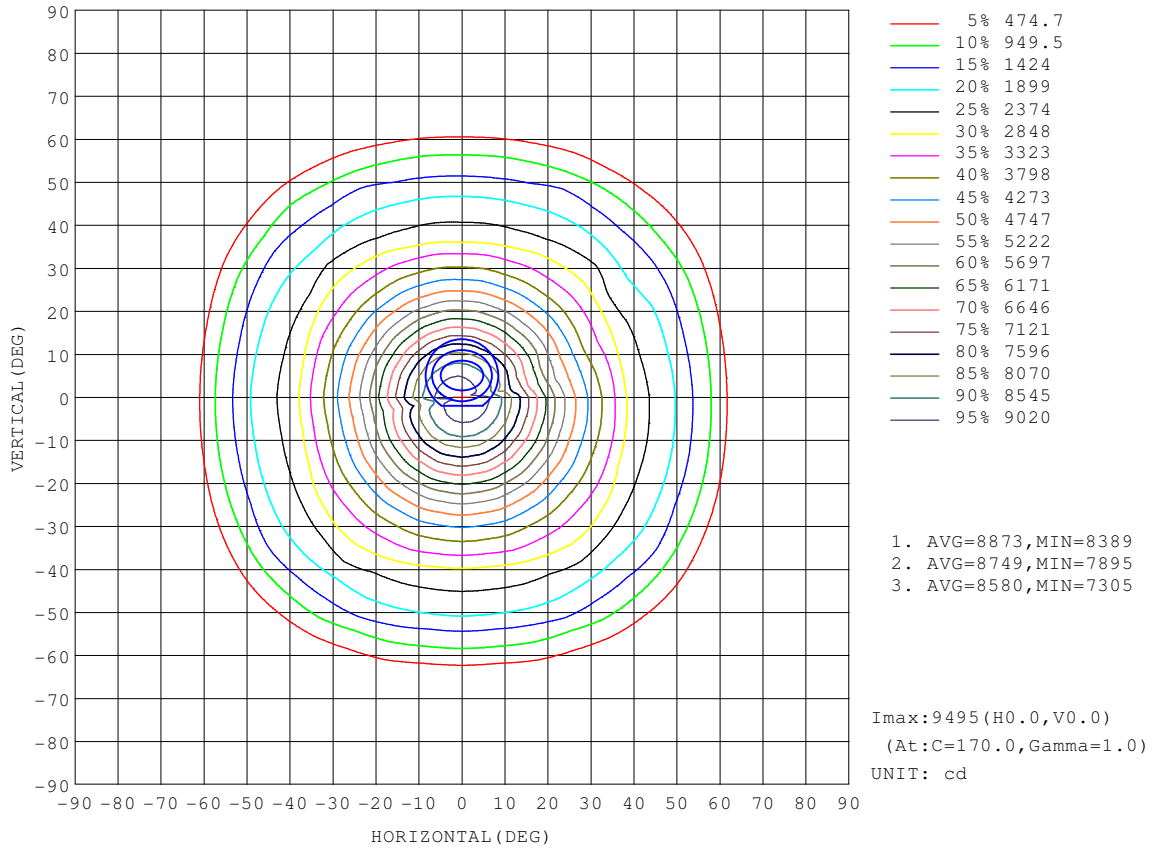
NEMA Beam Type: Type 6

**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-60°**

## ISOCANDELA DIAGRAM

Test:U:230.52V I:0.3562A P:80.006W PF:0.9744 Freq:50.01Hz Lamp Flux:10414.2x1 lm		
NAME: KYH-Mini	TYPE:OUTDOOR	WEIGHT:4kg
SPEC.:80 WATT	DIM.: 220X390X50	SERIAL No.:
MFR.: LITPA AYDINLATMA	SUR.:	Shielding Angle:

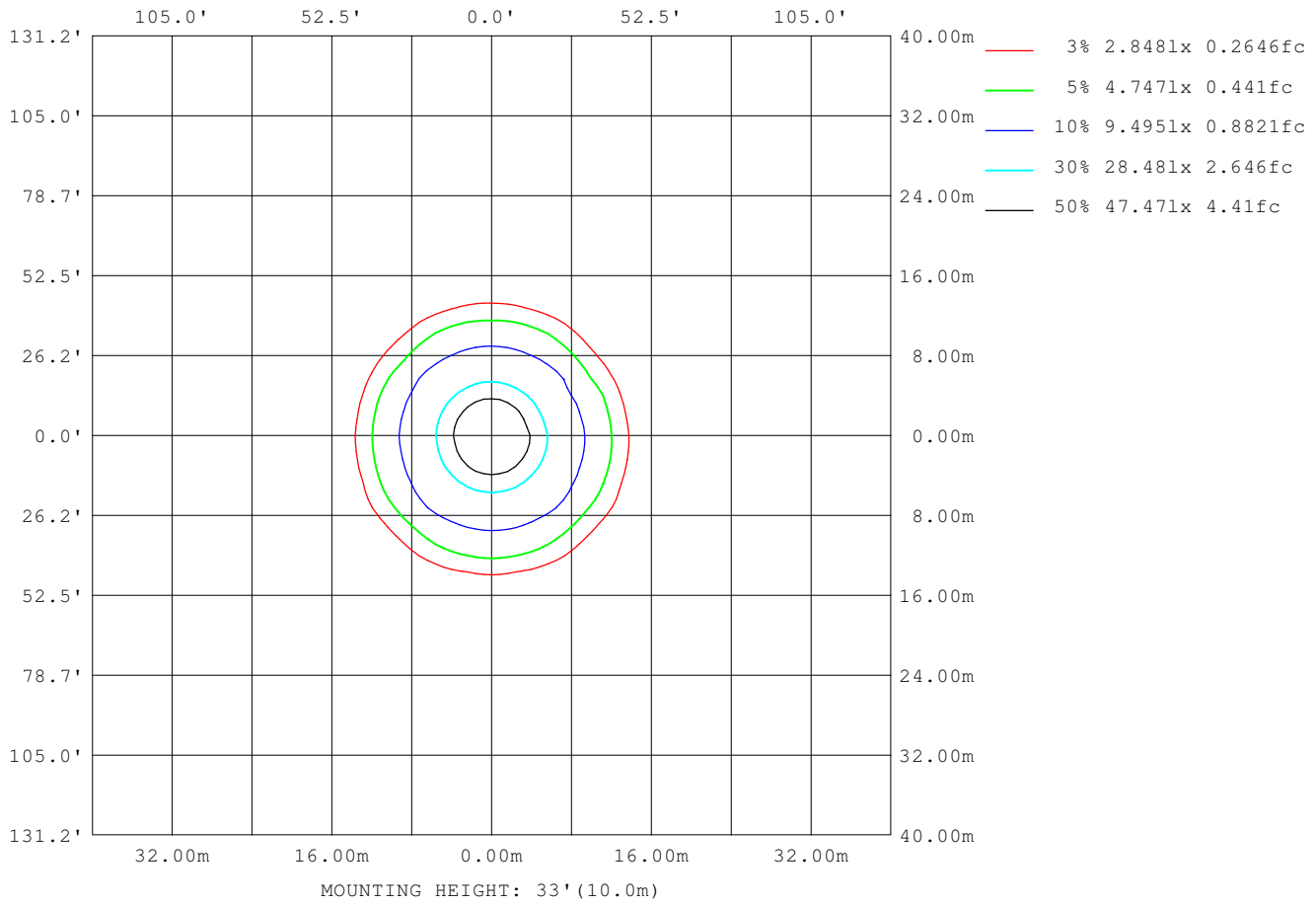


C Range: 0 - 360DEG  
C Interval: 10.0DEG  
Test Speed: HIGH  
Temperature:20DEG  
Operators:LITPA  
Test Date:12/05/2021

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-60°

## ISOLUX DIAGRAM

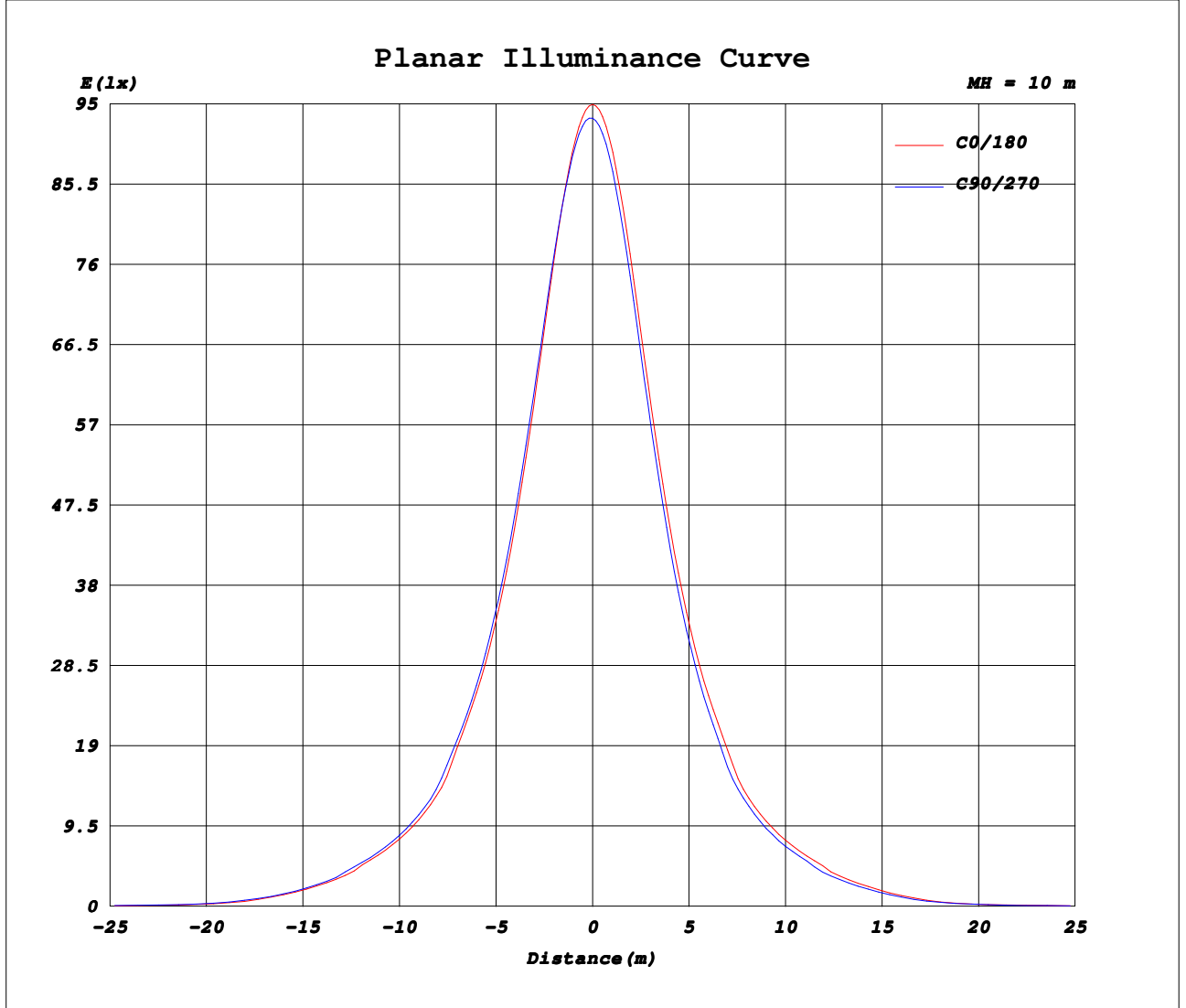
Test:U:230.52V I:0.3562A P:80.006W PF:0.9744 Freq:50.01Hz Lamp Flux:10414.2x1 lm		
NAME: KYH-Mini	TYPE:OUTDOOR	WEIGHT:4kg
SPEC.:80 WATT	DIM.: 220X390X50	SERIAL No.:
MFR.: LITPA AYDINLATMA	SUR.:	Shielding Angle:



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-60°

## Planar Illuminance Curve



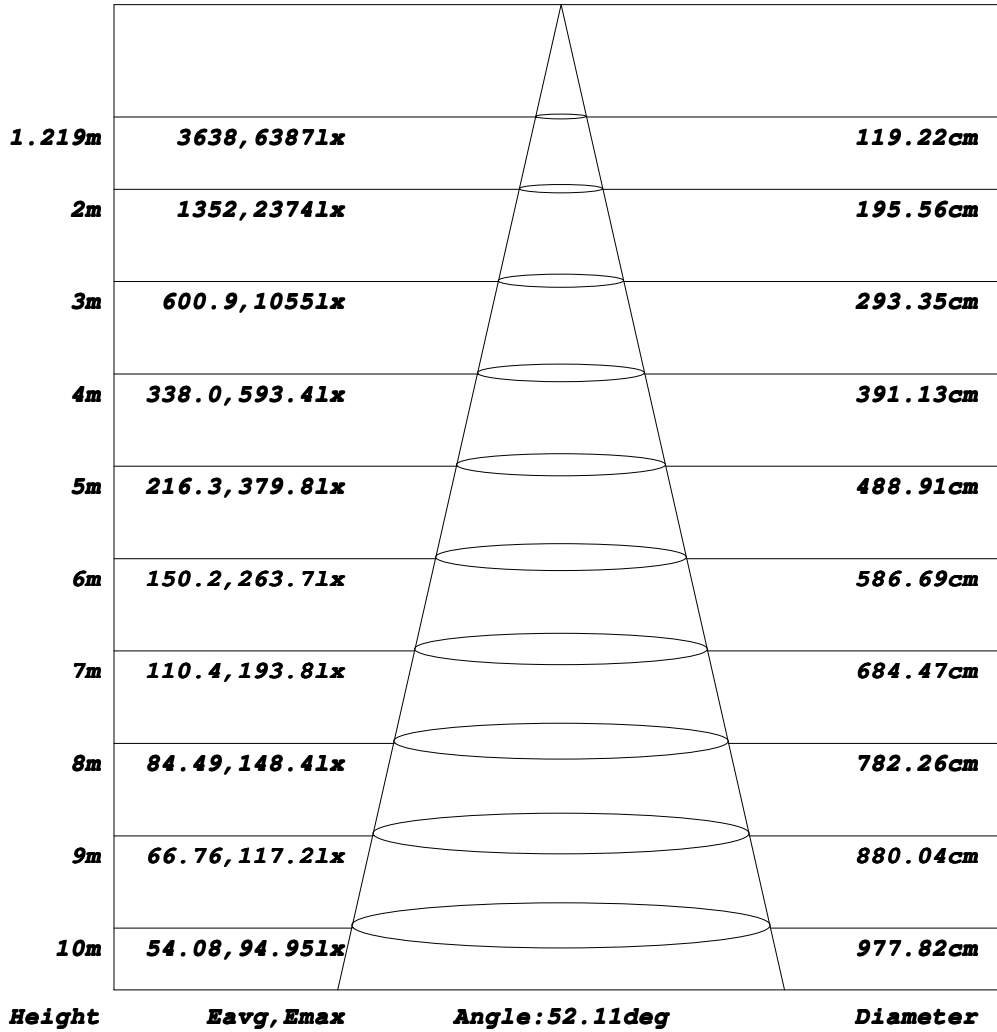
C Range: 0 - 360DEG  
C Interval: 10.0DEG  
Test Speed: HIGH  
Temperature: 20DEG  
Operators: LITPA  
Test Date: 12/05/2021

$\gamma$  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-60°

## AAI Figure

Test:U:230.52V I:0.3562A P:80.006W PF:0.9744 Freq:50.01Hz Lamp Flux:10414.2x1 lm		
NAME: KYH-Mini	TYPE:OUTDOOR	WEIGHT:4kg
SPEC.:80 WATT	DIM.: 220X390X50	SERIAL No.:
MFR.: LITPA AYDINLATMA	SUR.:	Shielding Angle:

Flux out:4411 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-60°

## LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:230.52V I:0.3562A P:80.006W PF:0.9744 Freq:50.01Hz Lamp Flux:10414.2x1 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	0.36	3.86	7.37	7.40	7.43	5.60	3.77	3.06	2.35	1.77	1.20	1.19	1.18	1.13	1.09	1.09	1.09	1.00	0.92
-85	0.36	4.24	8.20	8.92	9.60	8.72	8.18	8.22	8.28	8.83	9.37	10.1	10.8	11.8	12.8	13.2	13.5	13.8	13.9
-80	0.36	4.58	9.21	10.8	13.0	14.3	15.9	18.3	21.2	25.0	29.4	33.9	38.5	43.3	47.9	49.8	50.8	51.5	51.5
-75	0.36	5.08	10.3	14.0	18.4	23.0	29.6	37.4	45.4	54.7	64.6	75.5	85.8	95.8	104	108	109	110	110
-70	0.36	5.62	12.0	18.1	25.9	36.9	50.6	65.3	79.9	96.6	115	130	145	159	172	178	181	180	176
-65	0.36	6.11	14.3	23.4	36.8	55.1	76.8	98.9	121	144	168	191	212	232	253	270	283	295	302
-60	0.36	6.51	16.5	29.8	50.2	76.3	105	136	164	194	228	267	323	405	519	620	684	734	760
-55	0.36	6.86	19.3	37.6	64.8	98.5	134	174	211	254	334	489	693	865	1063	1199	1279	1335	1366
-50	0.36	7.52	22.3	46.5	80.0	119	164	211	265	386	628	958	1230	1488	1680	1811	1897	1953	1978
-45	0.36	8.32	25.1	55.3	94.4	140	194	251	382	674	1065	1389	1642	1902	2088	2211	2301	2359	2386
-40	0.36	9.02	28.3	63.8	108	160	222	313	611	1057	1452	1754	2039	2314	2454	2624	2735	2796	2826
-35	0.36	9.61	31.4	71.7	120	179	251	426	899	1419	1778	2073	2417	2763	3005	3239	3434	3543	3601
-30	0.36	10.1	34.5	79.1	132	197	290	621	1149	1663	2012	2322	2784	3144	3493	3804	4084	4233	4316
-25	0.36	10.4	37.1	84.9	141	214	341	811	1338	1848	2182	2544	3090	3538	4012	4432	4830	5070	5189
-20	0.36	10.7	39.6	89.6	148	230	405	971	1492	1972	2317	2791	3408	3944	4537	5148	5676	6072	6228
-15	0.36	10.8	41.4	94.0	154	242	474	1095	1620	2066	2430	2971	3668	4326	5060	5853	6604	7167	7362
-10	0.36	10.8	42.4	97.0	158	252	543	1184	1720	2133	2517	3159	3871	4611	5511	6501	7452	8144	8412
-5	0.36	10.7	42.8	98.5	160	258	581	1236	1794	2191	2592	3293	4011	4816	5783	6865	8005	8799	9121
0	0.36	10.4	42.5	98.5	159	260	585	1252	1819	2218	2635	3370	4114	4982	6028	7224	8380	9201	9495
5	0.36	10.3	42.0	97.5	159	256	565	1218	1774	2177	2580	3278	4005	4827	5822	6962	8039	8797	8980
10	0.36	10.1	40.8	95.1	156	247	515	1149	1678	2104	2487	3120	3826	4566	5410	6361	7292	7953	8112
15	0.36	9.79	39.0	91.1	151	235	442	1043	1568	2015	2369	2912	3556	4165	4871	5614	6305	6799	6935
20	0.36	9.35	36.5	85.7	144	221	373	911	1434	1897	2216	2646	3218	3742	4284	4815	5313	5655	5737
25	0.36	8.80	33.4	79.8	136	205	315	744	1267	1741	2042	2364	2876	3295	3688	4094	4413	4647	4687
30	0.36	8.15	30.1	72.8	125	188	271	556	1047	1520	1837	2121	2539	2842	3151	3440	3646	3811	3825
35	0.36	7.41	26.4	64.1	113	169	235	374	771	1208	1579	1805	2102	2362	2570	2766	2910	3018	3005
40	0.36	6.57	22.9	55.2	99.4	148	204	278	496	881	1274	1520	1765	1984	2129	2253	2361	2430	2431
45	0.36	5.65	19.3	46.1	84.1	129	175	226	310	546	916	1198	1414	1647	1800	1893	1968	2012	2018
50	0.36	4.66	16.0	37.1	69.1	107	145	185	232	310	497	740	987	1199	1363	1435	1514	1544	1537
55	0.36	3.85	12.7	28.5	53.8	84.2	116	148	184	222	269	361	519	688	842	959	1047	1088	1090
60	0.36	3.40	9.67	21.0	39.5	62.7	87.7	114	141	169	194	220	255	299	359	423	485	513	515
65	0.36	2.93	7.30	14.9	26.5	42.9	61.2	79.9	101	121	139	158	176	192	205	217	227	227	222
70	0.36	2.29	4.97	9.77	16.7	25.8	37.3	50.3	63.4	76.5	90.8	104	117	127	134	140	142	141	138
75	0.36	1.57	3.36	6.10	9.56	14.0	19.2	26.2	33.8	41.3	48.8	57.5	66.0	72.6	77.2	81.1	83.2	83.4	82.3
80	0.36	0.97	2.25	3.35	4.92	6.66	8.33	10.9	13.7	16.2	19.0	22.4	25.7	28.0	30.1	32.4	34.3	34.1	33.3
85	0.36	0.66	0.88	1.45	2.11	2.60	2.94	3.41	4.03	4.52	4.90	5.55	6.21	6.58	6.85	7.32	7.72	7.53	7.26
90	0.36	0.36	0.35	0.35	0.35	0.36	0.37	0.37	0.37	0.37	0.38	0.39	0.39	0.40	0.41	0.41	0.41	0.42	0.43

**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-60°**

## LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:230.52V I:0.3562A P:80.006W PF:0.9744 Freq:50.01Hz Lamp Flux:10414.2x1 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	0.91	0.89	0.83	0.77	0.75	0.73	0.66	0.59	0.57	0.56	0.50	0.44	0.42	0.40	0.36	0.33	0.33	0.33	
-85	13.6	13.1	12.8	12.3	11.3	10.3	9.51	8.71	7.61	6.48	5.64	4.83	3.80	3.03	2.53	1.96	1.07	0.33	
-80	50.9	49.6	48.4	46.3	41.7	36.9	32.6	28.3	23.6	19.4	15.9	12.5	9.41	6.86	4.75	2.99	1.81	0.33	
-75	109	107	106	102	94.4	84.8	74.7	63.9	53.5	43.8	35.5	27.1	18.9	12.6	8.20	4.74	2.35	0.33	
-70	178	177	175	170	157	144	129	114	95.4	78.4	63.9	48.6	33.6	21.3	12.8	7.00	2.78	0.33	
-65	295	282	271	254	232	211	190	167	143	120	97.6	75.4	52.5	33.2	19.0	9.51	3.35	0.33	
-60	735	687	626	528	412	328	268	228	194	164	134	104	74.5	47.4	26.4	12.4	4.26	0.33	
-55	1336	1280	1203	1073	884	706	511	345	256	212	173	133	97.2	62.9	35.1	15.9	5.12	0.33	
-50	1956	1906	1826	1694	1510	1244	984	660	408	270	213	163	120	78.7	44.6	19.5	6.04	0.33	
-45	2364	2314	2233	2109	1933	1661	1406	1095	716	409	255	194	141	94.3	54.2	23.1	6.96	0.33	
-40	2797	2740	2637	2470	2332	2085	1764	1474	1087	661	333	224	162	109	63.3	27.2	7.79	0.33	
-35	3547	3447	3258	3027	2800	2467	2113	1801	1469	948	475	258	183	122	71.6	31.0	8.60	0.33	
-30	4241	4096	3826	3527	3192	2853	2399	2064	1709	1200	695	308	203	135	79.5	34.7	9.39	0.33	
-25	5078	4846	4464	4053	3597	3169	2631	2250	1902	1386	892	379	221	144	86.1	38.0	10.1	0.33	
-20	6081	5705	5193	4586	4016	3495	2906	2399	2039	1554	1052	466	237	152	91.5	40.9	10.6	0.33	
-15	7185	6654	5924	5142	4423	3768	3119	2525	2147	1695	1174	553	252	158	96.1	43.1	11.0	0.33	
-10	8180	7532	6608	5630	4731	3991	3319	2626	2224	1801	1249	628	263	162	99.4	44.6	11.3	0.33	
-5	8902	8168	7077	5965	4973	4141	3429	2680	2260	1850	1289	667	269	163	101	45.4	11.5	0.33	
0	9193	8385	7245	6055	5007	4157	3438	2682	2262	1862	1295	667	270	162	101	45.5	11.5	0.33	
5	8593	7758	6544	5566	4663	3968	3294	2597	2199	1803	1258	644	265	162	101	45.3	11.6	0.33	
10	7803	7112	6199	5205	4379	3657	3067	2477	2107	1697	1189	588	256	160	98.7	44.4	11.5	0.33	
15	6699	6176	5482	4752	4034	3413	2795	2343	2009	1574	1089	503	244	155	95.1	42.8	11.3	0.33	
20	5594	5216	4705	4182	3649	3114	2544	2171	1886	1431	962	416	228	149	90.2	40.6	11.0	0.33	
25	4602	4334	4003	3606	3229	2800	2240	1953	1689	1269	800	339	212	141	84.8	37.8	10.6	0.33	
30	3780	3588	3371	3089	2793	2506	2035	1699	1461	1053	607	281	195	130	78.4	34.6	10.1	0.33	
35	2990	2870	2725	2536	2333	2073	1776	1487	1151	791	399	240	175	118	70.1	30.9	9.43	0.33	
40	2415	2340	2231	2107	1965	1738	1468	1182	846	515	284	209	154	104	61.5	27.4	8.76	0.33	
45	2001	1951	1873	1779	1619	1389	1128	809	524	309	228	180	133	89.2	52.3	23.8	8.05	0.33	
50	1533	1495	1411	1336	1170	953	688	450	290	230	187	149	111	73.9	42.9	20.5	7.26	0.33	
55	1077	1028	937	817	669	489	317	242	213	184	150	119	87.9	58.2	33.9	17.4	6.49	0.33	
60	508	477	417	352	287	232	189	174	166	141	114	89.1	65.4	43.3	25.9	14.4	5.83	0.33	
65	227	226	214	196	174	152	134	128	119	100	79.8	62.0	44.9	30.0	19.3	12.1	5.12	0.33	
70	141	141	129	116	106	98.7	95.2	87.1	74.3	61.9	49.7	37.5	27.7	19.6	14.0	9.94	4.63	0.33	
75	82.6	81.2	72.8	64.3	61.3	57.4	52.3	45.9	39.2	32.3	25.7	19.8	15.8	12.5	10.2	8.17	4.21	0.33	
80	32.1	30.3	28.5	26.3	24.8	23.2	20.5	17.7	15.4	13.4	11.4	9.54	8.73	7.84	7.25	6.87	3.73	0.33	
85	7.06	6.79	6.47	6.09	5.97	5.76	5.36	4.94	4.75	4.45	4.23	4.15	4.51	4.77	5.30	5.84	3.16	0.33	
90	0.43	0.43	0.45	0.47	0.50	0.52	0.58	0.65	0.76	0.86	1.21	1.56	2.19	2.83	3.81	4.80	2.56	0.33	

**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-60°**