

Floodlight Summary:

Report based on lamp delivering 1000 lumens.

Maximum Intensity	387.6 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	106.2V x 106.4H
	At 90% of Imax	51.6V x 52.0H

Beam Flux	Total	1000.1 lumens per klm.
	To 10% of Imax	981.8 lumens per klm.
	To 50% of Imax	749.4 lumens per klm.
	To 90% of Imax	223.8 lumens per klm.

Upward LOR	0.0 %
Downward LOR	100.0 %

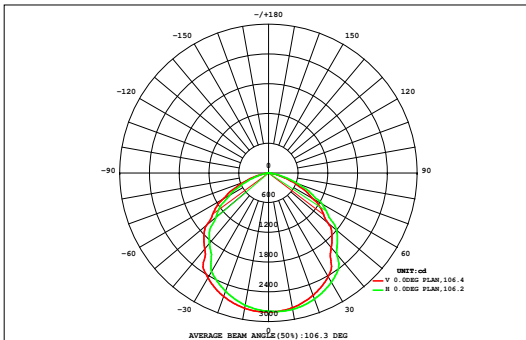
Luminaire Efficiency (Light Output Ratio)	100.0 %
---	---------

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-50WATT-(LENSSÝZ)

LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:230.49V I:0.2447A P:52.884W PF:0.9378 Freq:50.01Hz Lamp Flux:7240.47x1 lm		
NAME: KYH-Mini	TYPE:OUTDOOR	WEIGHT:4kg
SPEC.:50 WATT	DIM.: 220X390X50	SERIAL No.:
MFR.: LITPA AYDINLATMA	SUR.:	Shielding Angle:



DATA OF LAMP		Eff:136.91lm/W	
MODEL	KYH-Mini	Imax (cd)	2807
NOMINAL POWER (W)	50	AVAILABILITY (%)	98.2
RATED VOLTAGE (V)	230.0	Avai. FLUX (lm)	7109
NOMINAL FLUX (lm)	7240.47	LOR (%)	100.0
LAMPS INSIDE	1	TOTAL FLUX (lm)	7240
TEST VOLTAGE (V)	230	θ @50% (H,V)	106,106DEG

VERTICAL (DEG)	AREA FLUX DIAGRAM																UNIT:lm		Φ t	Φ a
	0.00	0.02	0.06	0.12	0.19	0.27	0.37	0.45	0.47	0.45	0.41	0.34	0.27	0.20	0.14	0.09	0.04	0.01	3.90	0.00
90	0.01	0.09	0.30	0.78	1.69	2.92	4.33	5.51	6.17	5.92	4.74	3.58	2.68	1.66	0.81	0.34	0.12	0.02	41.7	9.81
80	0.02	0.20	1.00	3.09	6.44	10.5	14.7	18.1	20.0	19.9	16.9	12.2	8.67	6.15	3.11	1.07	0.25	0.03	142	127
70	0.03	0.41	2.45	6.85	13.3	20.4	27.1	32.8	35.4	35.3	32.4	25.7	17.7	12.2	6.88	2.57	0.48	0.04	272	266
60	0.04	0.76	4.34	11.2	20.4	30.4	39.9	46.7	50.1	50.0	46.6	39.6	28.3	19.0	11.2	4.53	0.86	0.06	404	400
50	0.06	1.18	6.24	15.4	26.8	38.6	50.4	57.9	61.9	61.8	57.7	50.2	37.3	25.8	15.5	6.48	1.31	0.07	515	512
40	0.07	1.61	7.95	19.0	32.8	46.4	60.1	68.7	73.2	73.1	68.6	59.9	45.3	32.4	19.3	8.24	1.76	0.08	618	617
30	0.08	1.95	9.19	21.3	36.4	51.3	65.5	74.6	79.5	79.4	74.6	64.5	50.5	36.5	21.7	9.52	2.11	0.09	679	677
20	0.08	2.15	9.87	22.6	38.4	54.1	68.7	78.3	83.3	82.9	77.2	67.6	54.7	39.1	23.2	10.2	2.31	0.10	715	713
10	0.09	2.19	10.00	22.9	38.8	54.8	69.5	79.1	84.1	84.7	80.0	70.6	56.4	39.8	23.6	10.4	2.34	0.10	729	728
0	0.08	2.06	9.56	22.1	37.8	53.3	68.3	77.9	83.1	83.3	78.6	69.2	55.0	38.7	22.8	9.97	2.22	0.10	714	712
-10	0.08	1.78	8.59	20.3	35.2	50.0	64.9	74.2	79.2	79.4	74.7	65.6	51.5	36.1	21.0	8.97	1.94	0.09	674	672
-20	0.07	1.38	7.03	17.5	31.0	44.7	58.8	67.8	72.3	72.4	67.9	59.4	45.5	31.6	18.0	7.31	1.52	0.07	604	602
-30	0.06	0.95	5.09	13.3	24.3	36.0	47.2	55.4	59.2	59.3	55.5	47.8	36.3	24.6	13.7	5.28	1.03	0.06	485	482
-40	0.04	0.55	3.12	8.83	16.8	26.1	34.5	41.9	44.9	44.9	41.9	34.9	26.2	16.9	8.96	3.25	0.58	0.04	354	350
-50	0.03	0.29	1.42	4.43	9.07	14.9	20.5	25.2	27.6	27.5	25.2	20.4	14.8	9.06	4.47	1.47	0.29	0.03	207	197
-60	0.02	0.16	0.49	1.34	2.92	5.07	7.37	9.38	10.5	10.4	9.27	7.22	4.91	2.86	1.34	0.47	0.14	0.02	73.9	43.0
-70	0.02	0.08	0.17	0.28	0.45	0.65	0.86	1.03	1.10	1.08	0.96	0.78	0.58	0.38	0.23	0.12	0.05	0.01	8.83	0.00
-80	0.02	0.08	0.17	0.28	0.45	0.65	0.86	1.03	1.10	1.08	0.96	0.78	0.58	0.38	0.23	0.12	0.05	0.01	8.83	0.00
-90	0.02	0.08	0.17	0.28	0.45	0.65	0.86	1.03	1.10	1.08	0.96	0.78	0.58	0.38	0.23	0.12	0.05	0.01	8.83	0.00
	-90	-80	-70	-60	-50	-40	-30	-20	HORIZONTAL (DEG)	20	30	40	50	60	70	80	90			
Φ t	0.88	17.8	86.9	211	373	540	703	815	872	872	813	700	537	373	216	90.3	19.3	1.01	7240	---
Φ a	0.00	7.52	78.1	203	365	533	696	808	865	865	806	691	529	365	208	81.8	9.09	0.00	---	7109

one-half-peak spread: U:50.9,D:50.0 , L:55.1,R:52.0

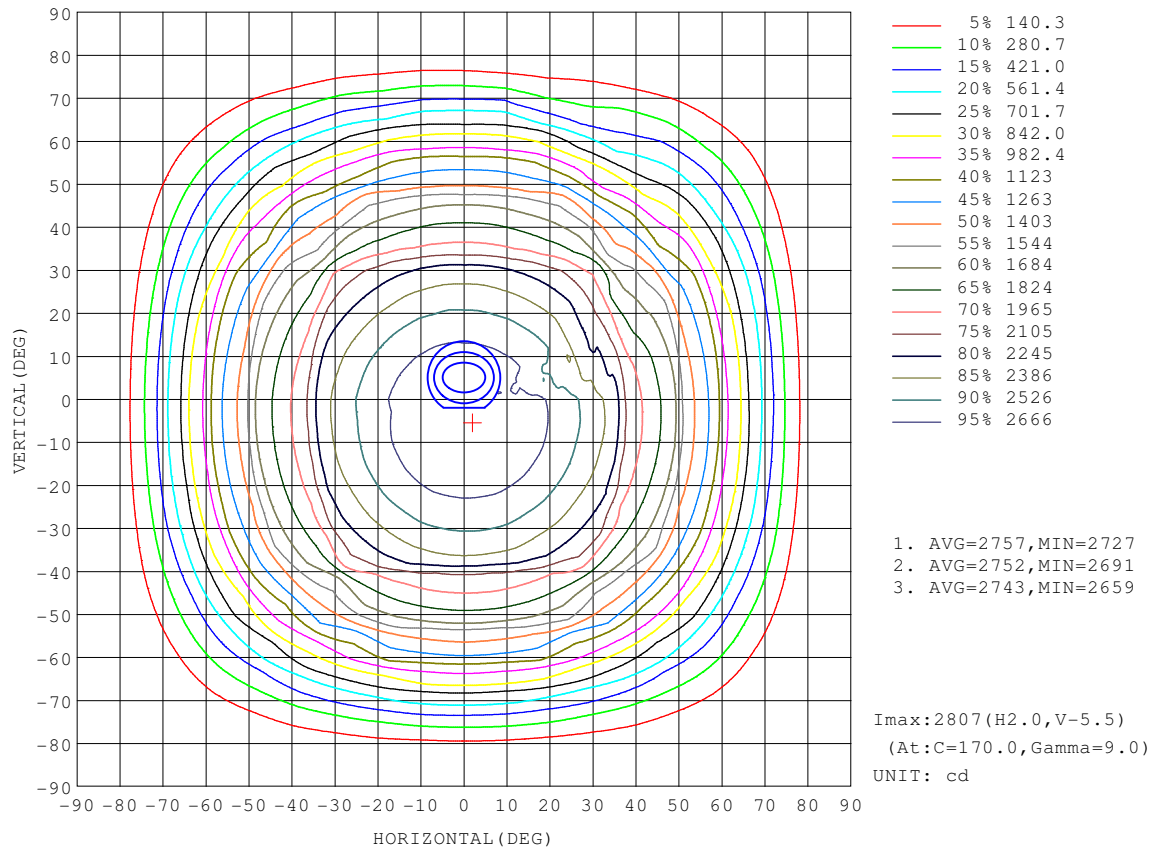
NEMA Beam Type: Type 7

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-50WATT-(LENSŞÝZ)

ISOCANDELA DIAGRAM

Test:U:230.49V I:0.2447A P:52.884W PF:0.9378 Freq:50.01Hz Lamp Flux:7240.47x1 lm		
NAME: KYH-Mini	TYPE:OUTDOOR	WEIGHT:4kg
SPEC.:50 WATT	DIM.: 220X390X50	SERIAL No.:
MFR.: LITPA AYDINLATMA	SUR.:	Shielding Angle:

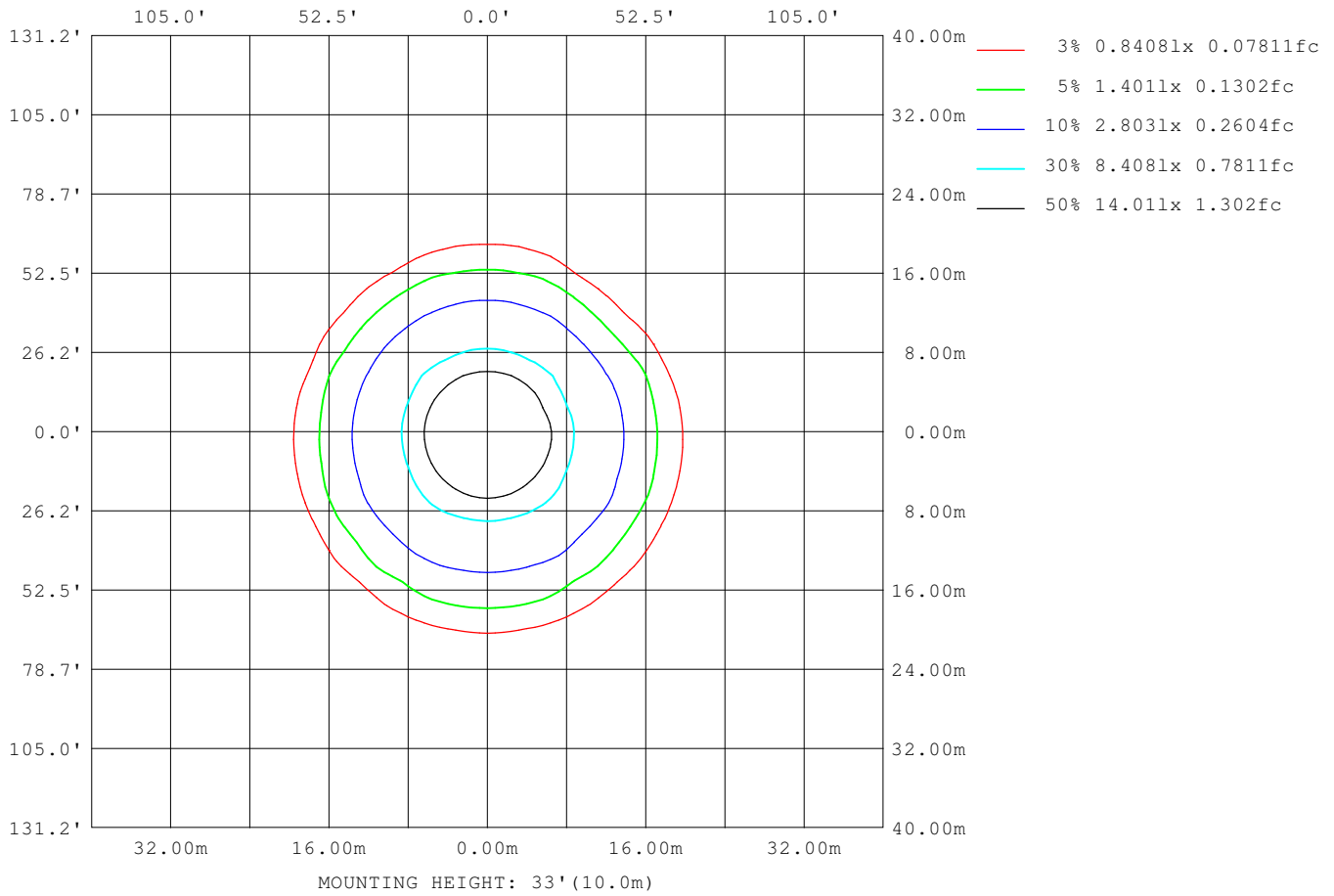


C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature:20DEG
Operators:LITPA
Test Date:12/05/2021

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-50WATT-(LENSSÝZ)

ISOLUX DIAGRAM

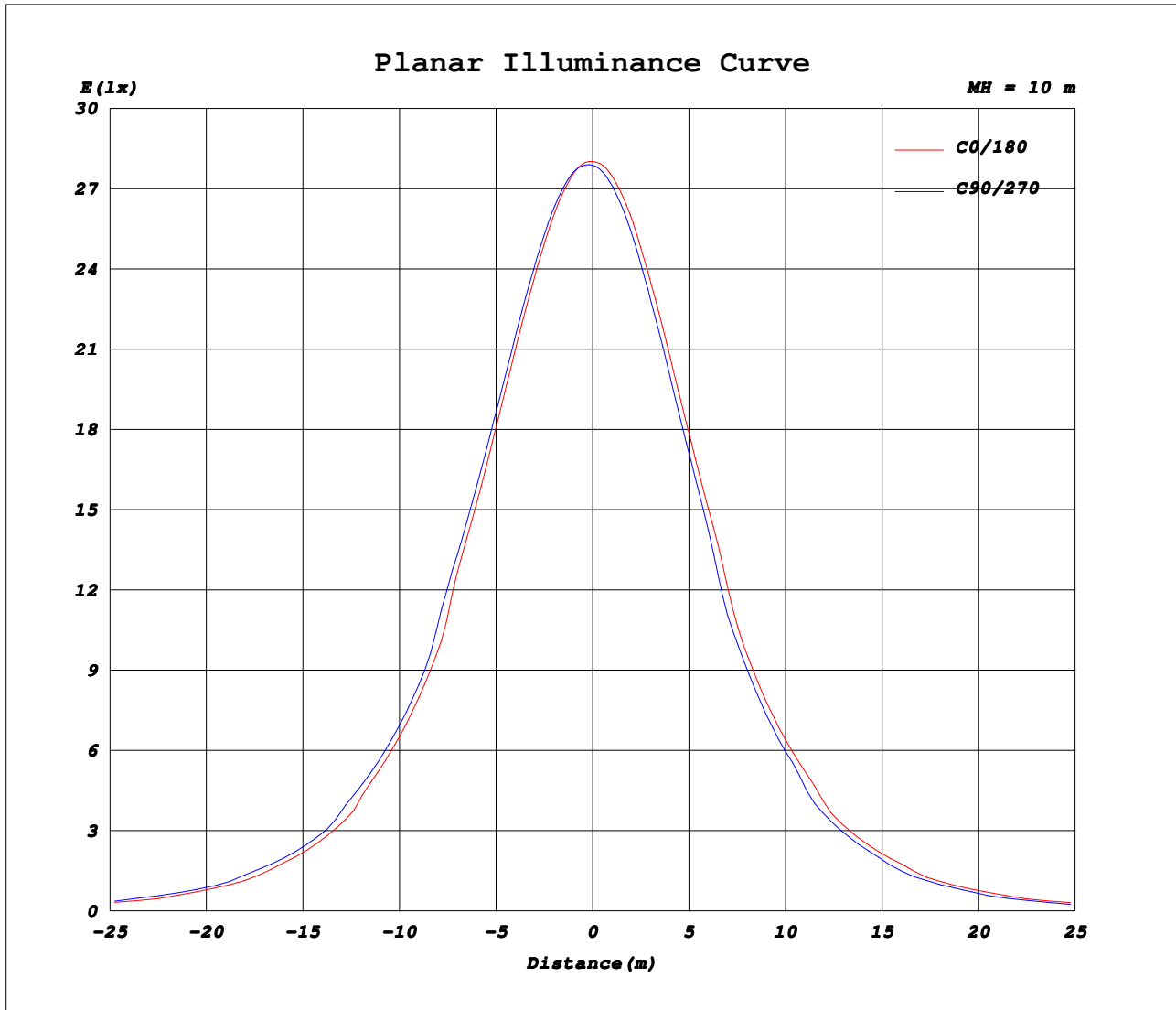
Test:U:230.49V I:0.2447A P:52.884W PF:0.9378 Freq:50.01Hz Lamp Flux:7240.47x1 lm		
NAME: KYH-Mini	TYPE:OUTDOOR	WEIGHT:4kg
SPEC.:50 WATT	DIM.: 220X390X50	SERIAL No.:
MFR.: LITPA AYDINLATMA	SUR.:	Shielding Angle:



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-50WATT-(LENSSÝZ)

Planar Illuminance Curve

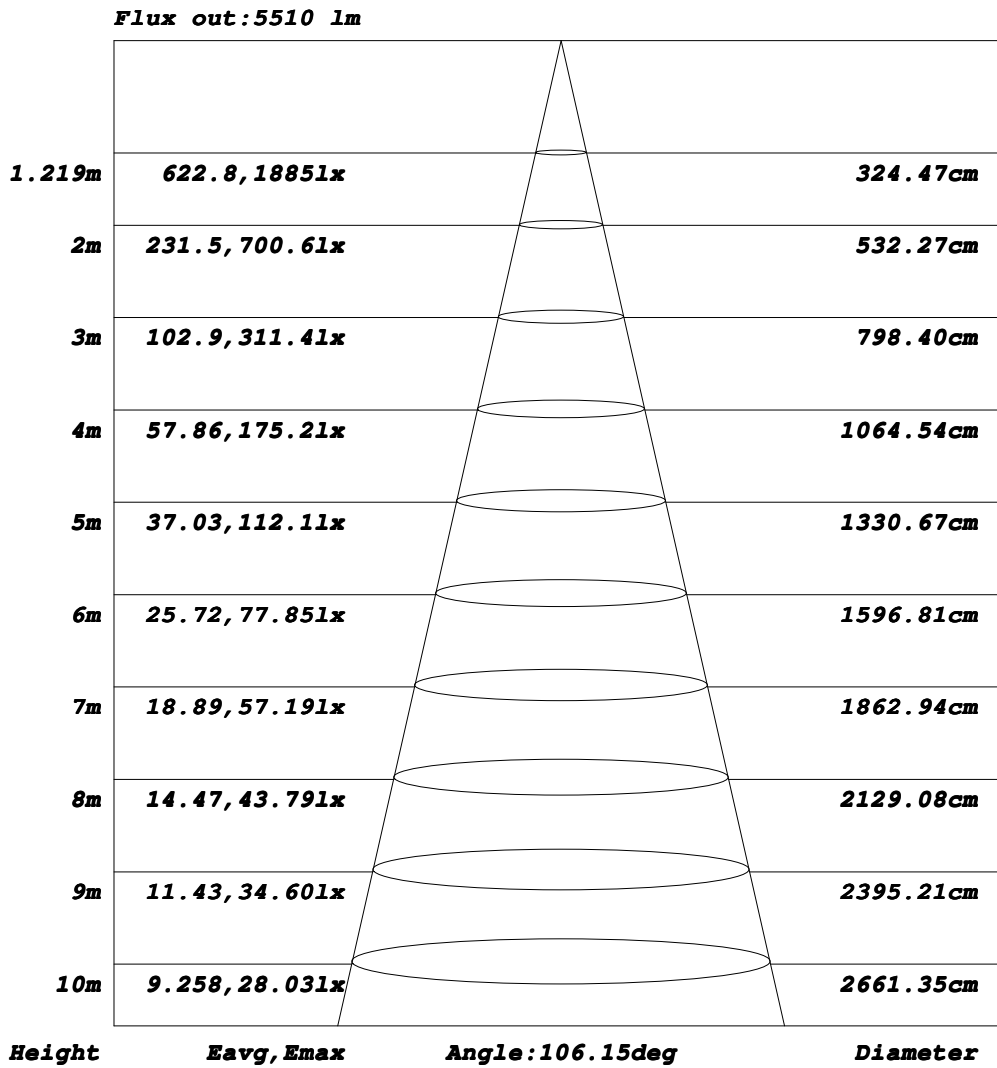


C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature: 20DEG
Operators: LITPA
Test Date: 12/05/2021

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-50WATT-(LENSŞÝZ)

AAI Figure

Test:U:230.49V I:0.2447A P:52.884W PF:0.9378 Freq:50.01Hz Lamp Flux:7240.47x1 lm		
NAME: KYH-Mini	TYPE:OUTDOOR	WEIGHT:4kg
SPEC.:50 WATT	DIM.: 220X390X50	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: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-50WATT-(LENSSÝZ)

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:230.49V I:0.2447A P:52.884W PF:0.9378 Freq:50.01Hz Lamp Flux:7240.47x1 lm		
NAME: KYH-Mini	TYPE:OUTDOOR	WEIGHT:4kg
SPEC.:50 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	0.63	3.33	6.03	6.20	6.36	6.09	5.81	5.75	5.69	5.37	5.05	4.98	4.91	4.71	4.50	4.36	4.21	3.95	3.69
-85	0.63	4.38	8.52	9.91	11.1	12.1	13.6	14.8	16.1	17.9	19.8	21.4	23.1	25.0	26.7	27.2	27.5	27.7	27.6
-80	0.63	5.40	10.5	13.5	17.2	21.3	26.4	32.2	38.5	47.7	61.3	70.6	80.1	91.5	104	109	113	118	120
-75	0.63	6.43	12.9	18.8	25.8	35.7	47.6	69.6	96.7	125	162	194	221	253	278	310	324	331	334
-70	0.63	7.45	16.0	25.2	38.6	56.8	95.1	143	193	252	313	381	438	486	534	572	604	619	626
-65	0.63	8.45	19.7	33.9	53.5	99.9	171	245	334	409	501	587	672	745	794	846	894	916	925
-60	0.63	9.45	23.2	43.9	83.7	161	261	362	484	599	713	821	925	1021	1119	1181	1213	1235	1246
-55	0.63	10.4	27.7	54.6	126	226	356	499	643	757	920	1044	1167	1206	1330	1398	1435	1454	1466
-50	0.63	11.6	32.7	74.4	175	301	452	643	789	972	1111	1279	1395	1531	1647	1712	1752	1779	1791
-45	0.63	12.9	37.7	102	220	385	573	769	944	1127	1300	1444	1549	1706	1820	1885	1930	1957	1967
-40	0.63	14.1	42.8	128	273	445	663	870	1105	1291	1473	1642	1756	1961	2024	2089	2132	2142	2146
-35	0.63	15.2	47.0	152	321	533	782	972	1229	1440	1656	1791	1985	2159	2250	2325	2379	2412	2427
-30	0.63	16.0	50.1	173	363	602	853	1108	1307	1566	1752	1894	2132	2268	2363	2439	2498	2528	2542
-25	0.63	16.7	53.2	196	415	644	906	1185	1371	1666	1826	1979	2230	2358	2458	2531	2587	2619	2633
-20	0.63	17.2	59.7	214	439	679	946	1236	1430	1724	1883	2063	2311	2429	2528	2605	2663	2697	2707
-15	0.63	17.5	64.2	227	458	711	978	1273	1489	1768	1927	2114	2363	2483	2579	2657	2713	2749	2761
-10	0.63	17.6	66.8	236	471	751	1005	1299	1533	1796	1956	2171	2394	2509	2609	2689	2744	2778	2794
-5	0.63	17.6	67.5	240	477	770	1017	1313	1569	1811	1971	2200	2409	2521	2619	2696	2753	2786	2803
0	0.63	17.4	66.7	239	477	770	1016	1315	1565	1811	1972	2203	2413	2529	2627	2704	2761	2794	2803
5	0.63	17.2	65.6	235	471	758	1009	1297	1544	1791	1950	2173	2381	2496	2594	2671	2726	2756	2759
10	0.63	16.9	63.1	226	459	728	986	1268	1487	1756	1911	2119	2334	2451	2544	2618	2672	2704	2710
15	0.63	16.4	59.2	214	441	680	943	1227	1431	1705	1856	2038	2268	2380	2473	2545	2599	2629	2633
20	0.63	15.8	54.0	200	416	643	896	1177	1362	1639	1787	1948	2183	2289	2380	2452	2503	2534	2541
25	0.63	15.0	47.6	179	382	601	834	1109	1290	1554	1703	1839	2069	2185	2271	2341	2393	2424	2429
30	0.63	14.0	44.1	153	326	549	763	1007	1189	1398	1597	1704	1938	2055	2138	2209	2260	2291	2298
35	0.63	12.9	40.6	126	281	478	676	853	1077	1200	1432	1516	1691	1811	1896	1955	1989	2012	2013
40	0.63	11.7	35.8	99.9	229	400	564	752	950	1091	1270	1385	1500	1655	1730	1783	1826	1851	1856
45	0.63	10.3	30.2	76.2	188	326	485	631	789	938	1125	1233	1331	1472	1567	1621	1660	1684	1690
50	0.63	8.75	25.1	55.5	139	247	380	501	645	782	892	1018	1096	1209	1290	1327	1367	1384	1387
55	0.63	7.45	20.3	41.7	98.0	183	278	399	491	612	716	828	926	991	1076	1144	1179	1195	1197
60	0.63	6.60	16.0	32.4	61.8	122	192	270	361	452	540	609	689	758	822	869	897	910	911
65	0.63	5.72	12.5	23.2	39.0	70.3	117	169	231	295	354	407	473	525	561	596	635	646	647
70	0.63	4.54	9.01	15.9	25.7	37.5	56.6	89.4	126	164	199	243	292	317	347	379	405	411	412
75	0.63	3.23	6.42	10.6	15.4	21.4	28.1	38.4	54.8	71.0	87.8	107	130	144	154	174	193	196	193
80	0.63	2.08	4.40	6.23	8.55	11.0	13.1	16.5	20.2	23.6	26.9	31.7	36.1	39.5	43.1	46.1	47.4	46.0	43.9
85	0.63	1.35	1.80	2.79	3.91	4.66	5.04	5.66	6.48	7.16	7.70	8.67	9.66	10.2	10.7	11.4	12.1	11.6	11.0
90	0.63	0.63	0.63	0.63	0.63	0.64	0.65	0.65	0.66	0.67	0.69	0.70	0.71	0.73	0.75	0.76	0.76	0.78	0.80

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-50WATT-(LENSŞÝZ)

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:230.49V I:0.2447A P:52.884W PF:0.9378 Freq:50.01Hz Lamp Flux:7240.47x1 lm		
NAME: KYH-Mini	TYPE:OUTDOOR	WEIGHT:4kg
SPEC.:50 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	3.61	3.53	3.36	3.19	3.10	3.01	2.84	2.66	2.58	2.50	2.32	2.14	1.97	1.81	1.54	1.27	1.07	0.87	
-85	27.0	26.1	25.5	24.5	22.4	20.2	18.5	16.8	14.8	12.8	11.3	10.1	8.29	6.94	6.01	4.86	2.74	0.87	
-80	119	114	104	93.9	83.2	74.1	65.2	56.1	44.8	35.8	29.3	23.4	18.1	13.8	10.1	6.82	4.40	0.87	
-75	330	321	308	283	251	217	185	156	125	95.9	69.7	47.2	33.8	23.3	15.9	10.0	5.48	0.87	
-70	617	599	567	529	480	431	373	312	247	198	144	100	58.5	37.6	23.4	13.9	6.27	0.87	
-65	914	895	871	822	752	678	594	502	405	335	243	173	107	55.2	33.4	17.9	7.31	0.87	
-60	1235	1213	1180	1117	1016	919	821	708	602	484	368	268	165	91.0	44.2	22.4	8.99	0.87	
-55	1454	1433	1398	1341	1216	1155	1056	924	780	653	497	366	243	134	58.4	28.0	10.6	0.87	
-50	1782	1756	1714	1655	1569	1417	1294	1114	987	802	658	466	316	186	81.3	33.9	12.1	0.87	
-45	1960	1936	1892	1830	1738	1564	1454	1330	1126	980	786	580	399	240	109	39.9	13.6	0.87	
-40	2137	2120	2080	2002	1965	1812	1646	1487	1314	1104	895	685	468	296	139	45.0	15.0	0.87	
-35	2415	2390	2336	2269	2179	2033	1813	1668	1505	1245	1020	807	554	342	168	50.6	16.3	0.87	
-30	2534	2508	2453	2384	2293	2188	1952	1779	1610	1340	1143	880	622	395	193	56.8	17.5	0.87	
-25	2627	2601	2548	2479	2385	2275	2036	1857	1700	1406	1217	935	671	435	216	62.3	18.6	0.87	
-20	2703	2676	2626	2554	2460	2345	2156	1920	1761	1482	1271	981	714	458	236	70.3	19.4	0.87	
-15	2758	2731	2681	2609	2516	2404	2237	1968	1807	1552	1313	1012	753	481	251	76.3	20.1	0.87	
-10	2791	2763	2715	2646	2549	2439	2287	2000	1840	1607	1337	1053	786	496	260	80.4	20.5	0.87	
-5	2803	2776	2729	2659	2568	2456	2309	2012	1852	1635	1347	1076	804	500	263	82.6	20.7	0.87	
0	2800	2771	2721	2651	2561	2445	2308	2006	1848	1633	1344	1077	804	496	261	82.8	20.7	0.87	
5	2749	2716	2588	2534	2425	2352	2244	1974	1820	1602	1326	1059	791	490	256	81.3	20.6	0.87	
10	2698	2668	2617	2511	2403	2257	2159	1923	1778	1533	1295	1021	759	478	248	77.9	20.3	0.87	
15	2625	2594	2543	2469	2360	2218	2035	1823	1713	1461	1252	968	706	460	236	72.8	19.9	0.87	
20	2531	2500	2449	2382	2273	2132	1911	1745	1641	1378	1197	920	666	437	220	66.0	19.2	0.87	
25	2421	2387	2337	2273	2189	2050	1784	1651	1538	1299	1128	857	622	410	195	57.7	18.3	0.87	
30	2289	2256	2203	2132	2045	1929	1647	1531	1371	1188	1026	783	570	352	166	52.7	17.3	0.87	
35	2009	1980	1945	1887	1804	1667	1458	1360	1155	1059	865	692	496	303	142	47.9	16.1	0.87	
40	1850	1823	1780	1727	1653	1498	1316	1191	1031	926	757	575	413	247	117	42.6	14.8	0.87	
45	1683	1658	1618	1562	1461	1299	1143	1008	874	761	640	496	347	200	91.6	36.7	13.4	0.87	
50	1382	1362	1321	1284	1203	1024	930	802	710	633	498	390	255	152	67.0	31.2	11.9	0.87	
55	1193	1174	1137	1051	939	830	687	622	565	478	404	287	190	108	49.9	25.8	10.4	0.87	
60	907	890	854	784	679	578	490	461	426	361	270	196	130	70.3	39.0	21.0	9.06	0.87	
65	644	626	560	489	414	366	336	323	288	229	170	121	76.0	45.5	28.9	17.1	7.64	0.87	
70	409	394	331	276	246	226	212	192	154	127	90.6	61.7	42.7	30.6	20.5	13.3	6.59	0.87	
75	185	171	149	130	124	113	100	84.4	69.7	54.9	40.8	31.6	25.1	19.1	14.5	10.0	5.66	0.87	
80	43.0	41.7	40.4	38.2	36.3	34.2	31.3	27.5	24.8	21.9	18.6	15.5	13.7	11.4	9.29	7.49	4.57	0.87	
85	11.1	11.0	10.5	9.86	9.55	9.14	8.51	7.88	7.69	7.27	6.76	6.47	6.39	5.96	5.51	5.20	3.21	0.87	
90	0.81	0.81	0.84	0.86	0.89	0.93	1.01	1.09	1.21	1.33	1.50	1.67	1.87	2.08	2.44	2.81	1.84	0.87	

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-50WATT-(LENSŞÝZ)