

Floodlight Summary:

Report based on lamp delivering 1000 lumens.

Maximum Intensity	736.9 cd per klm.
(Luminaire orientation as tested.)	0.0 degrees vertical
	0.0 degrees horizontal

Beam Spread	At 10% of Imax	140.1V x 144.2H
	At 50% of Imax	46.5V x 109.8H
	At 90% of Imax	9.2V x 44.3H

Beam Flux	Total	1000.0 lumens per klm.
	To 10% of Imax	944.2 lumens per klm.
	To 50% of Imax	328.5 lumens per klm.
	To 90% of Imax	25.6 lumens per klm.

Upward LOR	0.0 %
Downward LOR	100.0 %

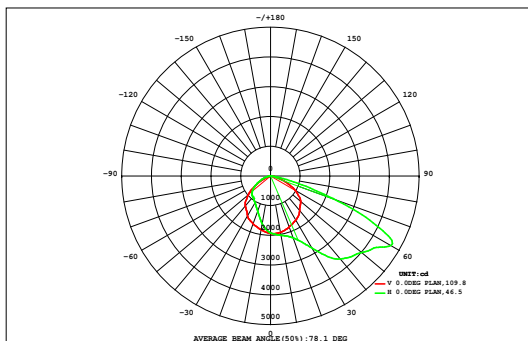
Luminaire Efficiency (Light Output Ratio)	100.0 %
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C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature: 20DEG
Operators: LITPA
Test Date: 08/06/2021

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-ASYMETRYK

LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:230.54V I:0.2459A P:53.173W PF:0.9379 Freq:0Hz Lamp Flux:6368.92x1 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:119.78lm/W	
MODEL	KYH-Mini	Imax (cd)	4694
NOMINAL POWER (W)	50	AVAILABILITY (%)	94.4
RATED VOLTAGE (V)	230.0	Avai. FLUX (lm)	6014
NOMINAL FLUX (lm)	6368.92	LOR (%)	100.0
LAMPS INSIDE	1	TOTAL FLUX (lm)	6369
TEST VOLTAGE (V)	230	θ @50% (H,V)	110,46DEG

VERTICAL (DEG)	AREA FLUX DIAGRAM																UNIT:lm		Φ t	Φ a
	0.04	0.13	0.26	0.42	0.59	0.73	0.80	0.80	0.70	0.54	0.36	0.20	0.09	0.04	0.02	0.01	0.01	0.00	5.75	0.00
90	0.04	0.13	0.26	0.42	0.59	0.73	0.80	0.80	0.70	0.54	0.36	0.20	0.09	0.04	0.02	0.01	0.01	0.00	5.75	0.00
80	0.05	0.28	0.78	1.57	2.60	3.67	4.59	5.08	5.03	4.43	3.43	2.29	1.28	0.57	0.19	0.04	0.01	0.00	35.9	0.00
70	0.07	0.50	1.55	3.32	5.71	8.34	10.8	12.2	12.4	11.6	9.83	7.30	4.62	2.41	0.89	0.18	0.03	0.00	91.7	14.1
60	0.09	0.75	2.39	5.08	8.62	12.7	16.9	19.9	21.0	20.0	17.2	13.0	8.69	5.02	2.17	0.55	0.07	0.00	154	113
50	0.12	1.01	3.23	6.63	10.9	15.8	21.0	25.0	26.8	25.7	22.1	17.1	11.9	7.26	3.54	1.07	0.15	0.00	199	169
40	0.14	1.28	4.24	8.45	13.4	18.7	24.1	28.2	30.0	28.9	25.1	19.9	14.4	9.19	4.78	1.56	0.24	0.01	233	210
30	0.16	1.59	5.56	11.4	17.4	23.4	29.0	33.4	35.3	33.8	29.7	24.4	18.2	12.3	6.27	1.98	0.33	0.01	284	270
20	0.17	1.91	7.14	15.1	22.7	29.9	36.2	41.8	44.3	42.3	37.4	31.5	24.5	17.1	8.49	2.63	0.40	0.01	364	354
10	0.18	2.16	8.63	18.7	28.0	37.1	44.9	51.6	55.0	52.5	47.0	40.3	31.7	22.6	11.7	3.49	0.46	0.01	456	449
0	0.18	2.29	9.64	21.4	32.4	43.1	50.9	56.6	59.6	59.3	55.3	48.9	38.5	27.3	14.1	3.98	0.47	0.01	524	518
-10	0.18	2.25	9.96	22.9	35.6	47.8	56.2	61.1	63.5	63.8	61.4	55.1	43.0	29.9	14.9	3.89	0.44	0.01	572	566
-20	0.16	2.04	9.47	23.1	37.8	52.1	64.0	71.0	74.3	74.9	71.0	61.0	45.6	30.1	14.0	3.28	0.37	0.01	634	628
-30	0.15	1.69	8.21	21.6	37.8	54.6	73.8	89.4	98.2	96.4	84.0	65.2	45.3	27.5	11.2	2.27	0.27	0.01	718	711
-40	0.12	1.25	6.30	17.9	33.6	51.8	76.0	99.9	115	110	89.4	62.6	39.5	21.0	7.31	1.33	0.17	0.00	733	724
-50	0.10	0.86	3.99	12.2	25.5	44.1	71.5	105	126	123	94.5	55.9	28.9	12.1	3.52	0.68	0.09	0.00	708	696
-60	0.08	0.55	2.07	6.37	14.3	27.9	52.5	88.3	112	102	64.9	29.3	11.2	3.88	1.12	0.25	0.03	0.00	517	497
-70	0.06	0.32	0.92	2.20	4.33	7.59	13.8	23.8	30.6	25.6	13.6	5.19	1.84	0.69	0.24	0.06	0.01	0.00	131	94.1
-80	0.04	0.16	0.33	0.53	0.75	1.02	1.40	1.73	1.70	1.19	0.58	0.27	0.13	0.06	0.02	0.01	0.00	0.00	9.92	0.00
-90	0.04	0.16	0.33	0.53	0.75	1.02	1.40	1.73	1.70	1.19	0.58	0.27	0.13	0.06	0.02	0.01	0.00	0.00	9.92	0.00
-90 -80 -70 -60 -50 -40 -30 -20 HORIZONTAL (DEG) 20 30 40 50 60 70 80 90																				
Φ t	2.10	21.0	84.7	199	332	480	648	815	911	876	727	539	369	229	104	27.3	3.54	0.10	6369	---
Φ a	0.00	0.00	56.7	171	306	459	629	796	893	858	708	518	343	199	73.6	1.63	0.00	0.00	---	6014

one-half-peak spread: U:8.8,D:38.3 , L:54.8,R:55.5

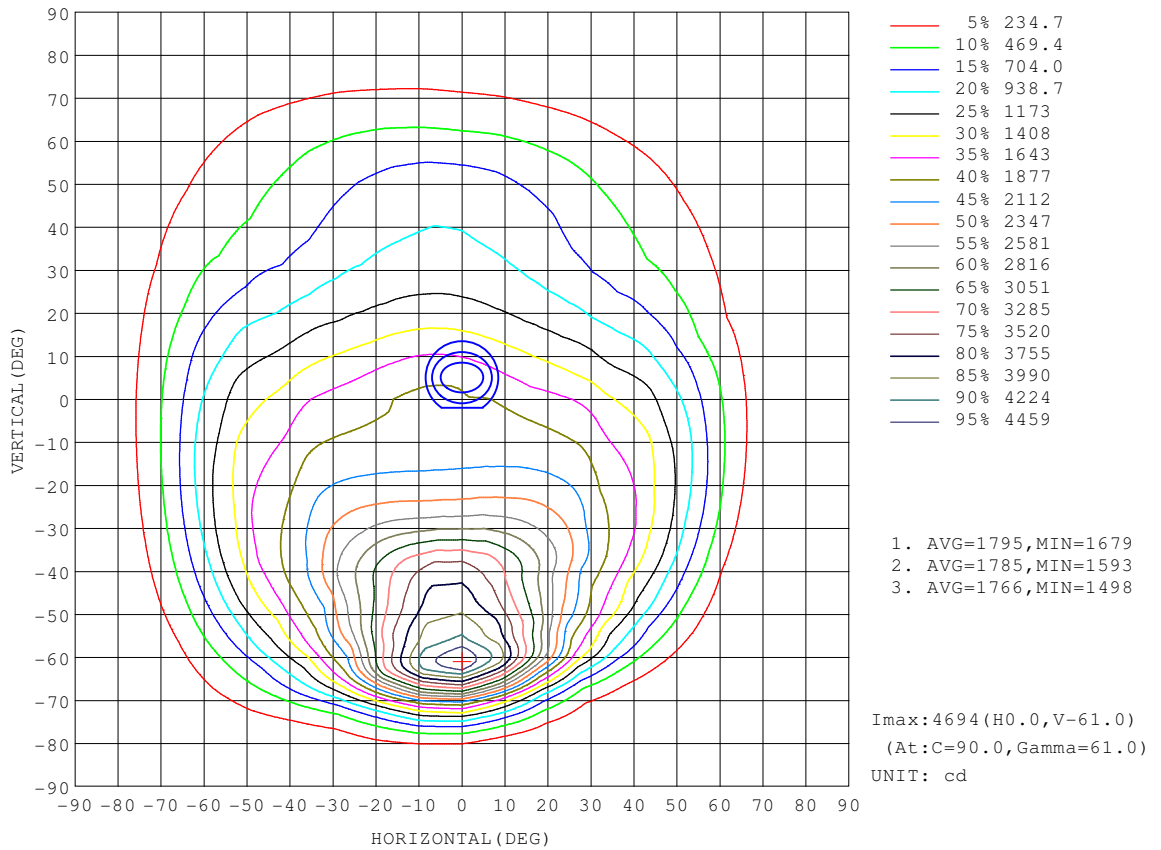
NEMA Beam Type: Type 7

C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature: 20DEG
Operators: LITPA
Test Date: 08/06/2021

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-ASYMETRYK

ISOCANDELA DIAGRAM

Test:U:230.54V I:0.2459A P:53.173W PF:0.9379 Freq:0Hz Lamp Flux:6368.92x1 lm		
NAME: KYH-Mini	TYPE:OUTDOOR	WEIGHT:4kg
SPEC.:50 WATT	DIM.: 220X390X50	SERIAL No.:
MFR.: LITPA AYDINLATMA	SUR.:	Shielding Angle:

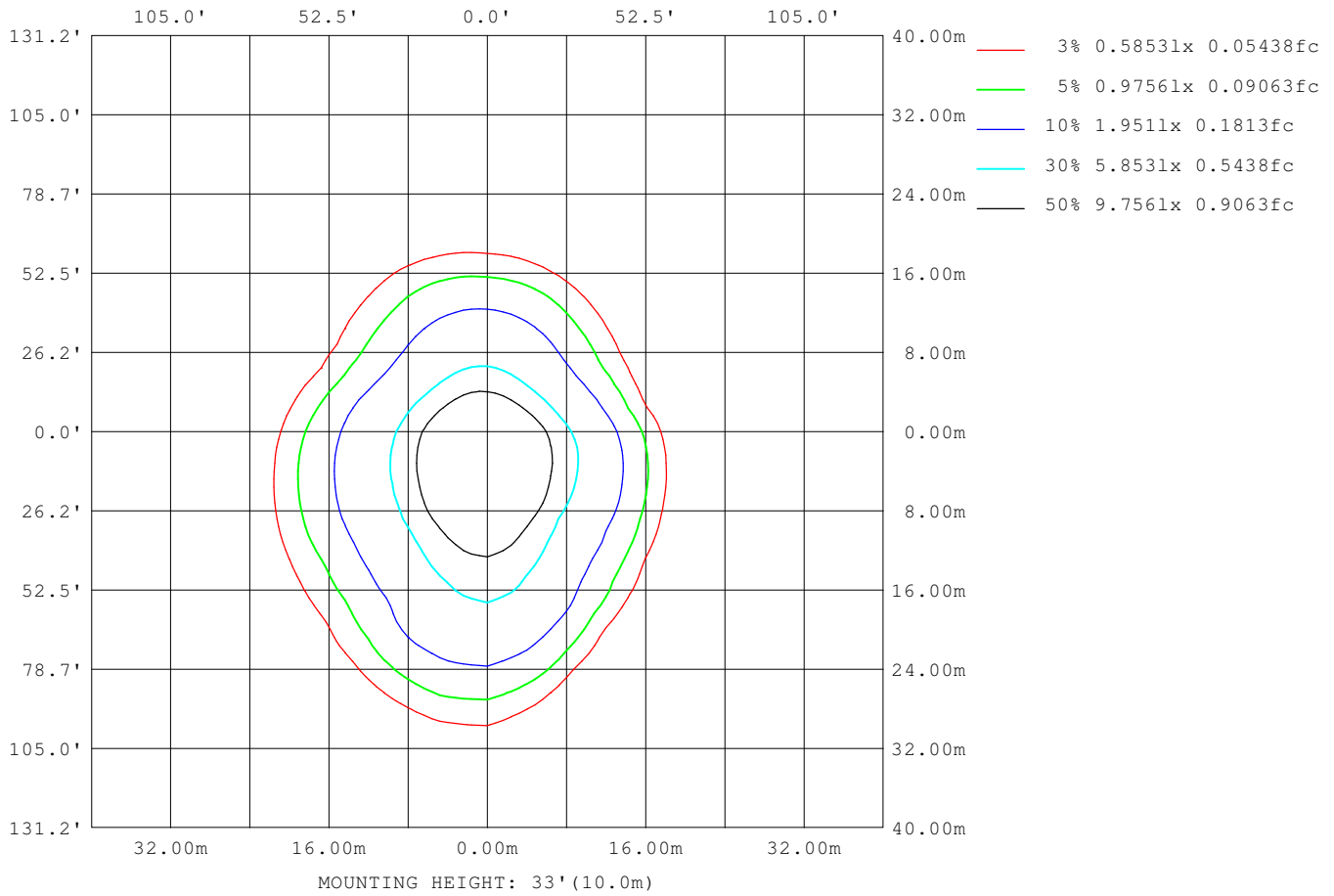


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Test Speed: HIGH
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Humidity:65.0%
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Remarks: KYH-50WATT-ASÝMETRÝK

ISOLUX DIAGRAM

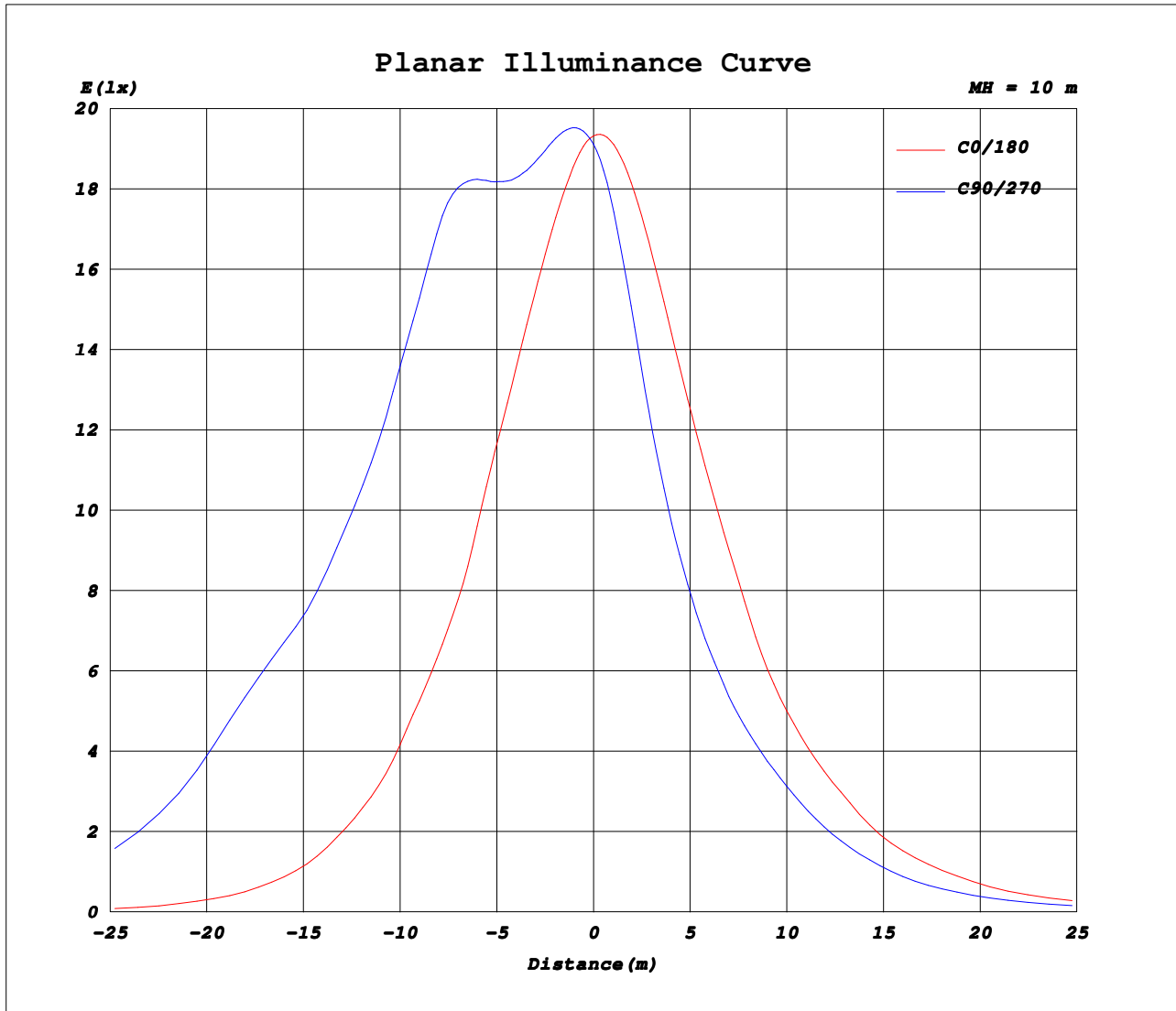
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NAME: KYH-Mini	TYPE:OUTDOOR	WEIGHT:4kg
SPEC.:50 WATT	DIM.: 220X390X50	SERIAL No.:
MFR.: LITPA AYDINLATMA	SUR.:	Shielding Angle:



C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature: 20DEG
Operators: LITPA
Test Date: 08/06/2021

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γ Interval: 1.0DEG
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Humidity: 65.0%
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Planar Illuminance Curve

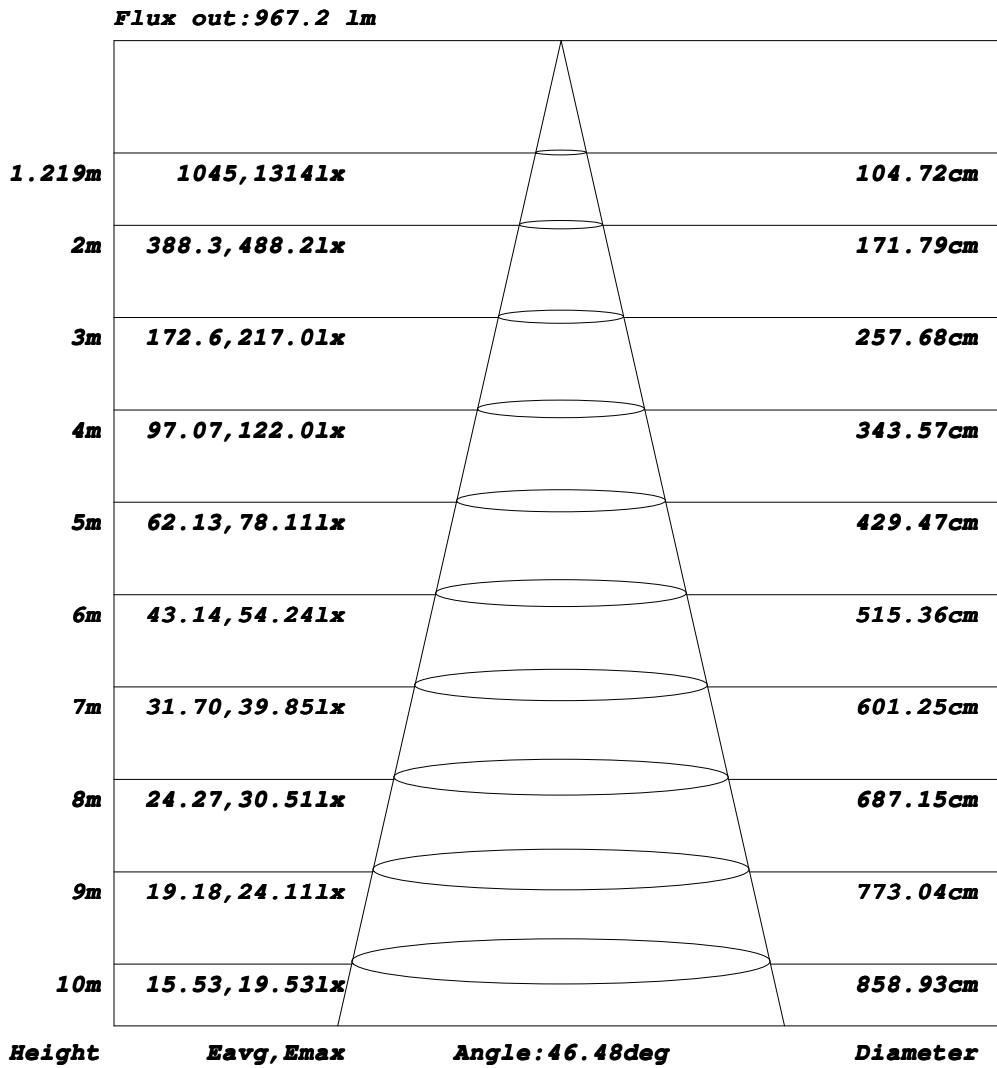


C Range: 0 - 360DEG
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Test Speed: HIGH
Temperature: 20DEG
Operators: LITPA
Test Date: 08/06/2021

γ Range: 0 - 90DEG
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AAI Figure

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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: 08/06/2021

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]
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LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:230.54V I:0.2459A P:53.173W PF:0.9379 Freq:0Hz Lamp Flux:6368.92x1 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	11.5	12.5	13.4	13.3	13.3	12.8	12.3	11.6	10.9	9.95	9.03	8.26	7.50	6.59	5.69	4.65	3.61	3.08	2.55
-85	11.5	14.4	17.5	19.6	21.7	23.9	26.5	27.7	29.1	30.8	32.4	32.5	33.1	32.4	31.2	27.5	22.5	20.4	18.0
-80	11.5	16.4	22.2	27.7	34.0	41.7	50.6	59.1	68.2	77.8	87.5	104	123	154	194	220	243	246	243
-75	11.5	18.6	27.8	38.0	50.6	67.3	90.3	116	151	182	218	269	320	435	568	720	875	908	910
-70	11.5	20.9	34.2	50.5	71.6	102	150	216	293	379	496	640	822	1096	1435	1777	2108	2212	2232
-65	11.5	23.3	41.2	65.2	97.2	147	237	353	490	652	870	1124	1474	1954	2576	3148	3614	3821	3922
-60	11.5	26.0	48.8	81.5	127	209	349	515	696	939	1179	1476	1886	2350	3063	3666	4206	4482	4674
-55	11.5	28.5	57.2	99.3	164	286	473	688	932	1178	1463	1772	2144	2597	3138	3599	3956	4143	4236
-50	11.5	31.1	65.6	119	211	383	603	845	1148	1370	1666	1927	2275	2702	3113	3482	3779	3942	4004
-45	11.5	33.7	73.8	139	263	464	724	1021	1316	1561	1814	2070	2378	2765	3080	3413	3667	3816	3843
-40	11.5	36.0	82.2	161	321	547	822	1166	1420	1712	1931	2170	2516	2801	3078	3332	3528	3637	3644
-35	11.5	38.2	89.9	184	371	623	911	1242	1510	1772	1958	2174	2468	2681	2889	3062	3188	3272	3282
-30	11.5	40.4	97.1	207	407	676	1000	1288	1563	1779	1939	2161	2362	2505	2621	2707	2758	2801	2806
-25	11.5	42.1	103	227	433	710	1054	1307	1595	1758	1902	2098	2241	2321	2370	2408	2416	2433	2443
-20	11.5	43.6	109	243	452	732	1071	1310	1578	1713	1845	2022	2115	2162	2186	2198	2200	2205	2217
-15	11.5	44.7	113	255	468	741	1065	1296	1536	1655	1778	1935	2005	2037	2058	2072	2079	2086	2093
-10	11.5	45.4	116	262	475	737	1041	1264	1477	1586	1701	1837	1899	1934	1963	1991	2010	2019	2025
-5	11.5	45.8	117	264	470	720	1003	1216	1405	1505	1617	1738	1796	1836	1880	1924	1952	1969	1975
0	11.5	45.8	117	262	457	691	953	1149	1324	1417	1524	1644	1711	1770	1831	1887	1927	1943	1932
5	11.5	45.6	116	253	433	648	885	1062	1219	1299	1392	1496	1561	1626	1699	1767	1814	1831	1803
10	11.5	45.0	113	240	403	596	807	963	1106	1175	1254	1350	1411	1470	1536	1601	1647	1659	1633
15	11.5	44.1	109	224	368	538	724	857	989	1052	1120	1202	1260	1308	1368	1421	1456	1464	1440
20	11.5	42.8	105	207	332	477	639	754	866	920	987	1065	1114	1170	1217	1258	1286	1292	1272
25	11.5	41.3	98.6	188	296	422	556	649	736	808	867	934	1001	1050	1094	1136	1158	1163	1146
30	11.5	39.3	92.3	169	262	374	475	547	639	706	753	834	894	950	997	1036	1057	1064	1049
35	11.5	37.1	85.1	151	236	328	404	478	554	611	680	745	813	870	921	960	984	992	977
40	11.5	34.8	77.6	134	209	285	346	427	486	554	620	682	751	810	863	904	929	940	932
45	11.5	32.4	69.6	119	182	248	310	380	435	506	569	634	702	766	817	860	884	894	887
50	11.5	29.7	61.5	105	157	215	274	334	394	455	519	574	636	700	745	784	805	812	801
55	11.5	27.1	53.2	89.6	133	182	235	288	346	399	457	512	566	623	658	687	702	702	690
60	11.5	24.5	45.0	74.5	110	149	194	241	289	340	383	432	474	511	535	551	556	550	533
65	11.5	21.8	37.5	59.8	87.4	117	151	189	228	265	301	334	368	393	407	415	416	408	392
70	11.5	19.4	30.7	45.8	65.5	86.7	110	136	163	189	213	236	258	272	280	285	285	277	265
75	11.5	17.2	24.5	33.8	45.6	58.5	72.4	87.8	104	118	131	144	158	164	168	171	172	164	153
80	11.5	15.0	19.2	23.9	29.7	35.3	41.3	48.5	56.1	60.8	65.1	69.7	73.4	74.7	75.1	75.2	74.1	68.2	60.9
85	11.5	13.2	14.8	16.4	18.0	19.1	20.2	21.7	23.3	24.1	24.3	24.8	25.2	24.1	22.6	21.4	19.9	17.3	14.5
90	11.5	11.4	11.3	10.8	10.4	9.75	9.13	8.45	7.76	7.07	6.38	5.70	5.01	3.45	1.89	1.58	1.27	1.41	1.56

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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	1.77	1.00	0.70	0.40	0.38	0.35	0.34	0.33	0.32	0.30	0.31	0.32	0.32	0.31	0.34	0.37	0.39	0.40	
-85	15.6	13.0	10.9	8.87	6.94	5.00	3.76	2.66	1.67	0.65	0.31	0.30	0.29	0.28	0.32	0.35	0.38	0.40	
-80	189	133	93.6	56.2	36.2	22.8	16.7	12.3	8.74	5.96	4.04	2.56	0.88	0.29	0.30	0.34	0.36	0.40	
-75	749	575	399	245	161	96.0	64.2	41.1	27.4	17.6	11.7	7.35	4.09	1.69	0.29	0.32	0.35	0.40	
-70	1883	1497	1061	676	424	244	162	104	68.1	43.6	27.5	16.4	9.10	4.34	1.39	0.30	0.34	0.40	
-65	3489	2963	2237	1560	1019	628	405	251	159	96.7	56.4	32.5	17.1	8.37	3.56	0.42	0.33	0.40	
-60	4350	3920	3215	2467	1741	1214	826	532	324	193	107	57.4	29.4	13.9	5.59	0.89	0.32	0.40	
-55	4012	3708	3206	2620	1958	1538	1121	828	546	334	184	93.0	45.7	21.8	8.63	2.44	0.31	0.40	
-50	3811	3542	3161	2692	2171	1791	1427	1089	758	499	283	137	66.1	31.7	12.3	3.49	0.31	0.40	
-45	3642	3369	3035	2672	2274	1881	1583	1256	979	675	397	190	91.5	43.1	16.8	4.26	0.31	0.40	
-40	3498	3276	2992	2671	2332	1965	1731	1417	1159	816	525	252	118	56.0	21.9	5.62	0.30	0.40	
-35	3218	3071	2881	2660	2397	2083	1832	1560	1292	958	631	338	150	69.6	27.2	6.93	0.33	0.40	
-30	2810	2744	2645	2509	2329	2047	1850	1657	1353	1066	722	418	186	83.3	32.1	8.28	0.38	0.40	
-25	2463	2447	2417	2341	2228	2025	1827	1665	1393	1132	783	471	222	95.3	37.0	9.46	0.41	0.40	
-20	2229	2235	2227	2188	2116	1959	1781	1643	1392	1152	819	506	252	106	41.1	10.6	0.42	0.40	
-15	2098	2097	2088	2059	2006	1884	1715	1594	1387	1147	832	532	273	115	44.7	11.5	0.42	0.40	
-10	2020	2004	1981	1948	1897	1796	1634	1527	1350	1115	825	539	288	120	47.0	12.0	0.41	0.40	
-5	1961	1925	1885	1840	1781	1688	1534	1434	1279	1056	794	527	290	122	48.1	12.3	0.39	0.40	
0	1896	1840	1780	1717	1649	1559	1416	1325	1179	981	739	498	281	120	48.1	12.3	0.37	0.40	
5	1742	1670	1596	1522	1451	1373	1260	1184	1056	877	657	445	256	116	47.3	12.3	0.41	0.40	
10	1580	1507	1432	1364	1297	1219	1116	1043	917	757	562	382	225	109	45.4	11.9	0.44	0.40	
15	1394	1333	1268	1206	1139	1067	976	908	796	649	463	316	192	99.8	42.6	11.4	0.48	0.40	
20	1235	1182	1120	1063	1002	916	846	776	670	554	406	268	160	89.8	38.9	10.5	0.51	0.40	
25	1114	1064	1009	944	882	804	723	659	570	466	353	242	140	78.3	34.7	9.43	0.53	0.40	
30	1020	972	919	856	788	705	638	559	485	402	306	216	128	68.5	29.9	8.25	0.56	0.40	
35	950	904	851	788	714	643	569	500	417	351	269	191	114	59.3	24.6	6.89	0.58	0.40	
40	904	860	806	744	671	595	526	453	379	308	236	165	97.5	48.4	19.7	5.74	0.61	0.40	
45	858	815	759	695	621	544	476	403	337	267	201	136	77.7	37.2	15.1	4.68	0.65	0.40	
50	775	736	686	623	555	488	419	353	289	223	162	105	56.3	26.2	11.2	3.63	0.68	0.40	
55	670	638	593	536	476	412	347	290	232	175	120	74.5	37.5	16.2	7.91	2.43	0.71	0.40	
60	520	498	463	421	374	321	267	218	171	123	81.1	46.8	21.9	9.62	5.57	1.14	0.75	0.40	
65	381	362	332	299	263	225	184	144	109	75.7	46.9	25.2	11.3	6.51	3.44	1.16	0.78	0.40	
70	255	240	215	187	162	135	106	79.1	57.4	38.7	22.4	11.8	6.64	4.03	1.22	1.21	0.81	0.40	
75	142	129	111	92.6	77.2	61.2	46.4	33.3	23.0	14.5	8.88	5.21	2.97	0.99	1.07	1.27	0.85	0.40	
80	55.0	48.3	40.0	31.5	25.0	19.2	13.7	9.00	6.39	4.38	2.18	0.74	0.80	0.89	1.12	1.33	0.87	0.40	
85	12.7	10.7	8.76	6.47	4.29	2.15	1.10	0.74	0.75	0.77	0.79	0.82	0.89	0.97	1.18	1.38	0.90	0.40	
90	1.59	1.62	1.53	1.44	1.33	1.22	1.12	1.03	1.01	0.99	0.98	0.97	1.01	1.04	1.24	1.44	0.92	0.40	

C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature: 20DEG
Operators: LITPA
Test Date: 08/06/2021

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-ASYMETRYK