

Floodlight Summary:

Report based on lamp delivering 1000 lumens.

Maximum Intensity	382.1 cd per klm.
(Luminaire orientation as tested.)	0.0 degrees vertical
	0.0 degrees horizontal

Beam Spread	At 10% of Imax	150.6V x 150.9H
	At 50% of Imax	108.9V x 110.2H
	At 90% of Imax	48.5V x 49.9H

Beam Flux	Total	1000.0 lumens per klm.
	To 10% of Imax	983.6 lumens per klm.
	To 50% of Imax	754.1 lumens per klm.
	To 90% of Imax	215.5 lumens per klm.

Upward LOR	0.0 %
Downward LOR	100.0 %

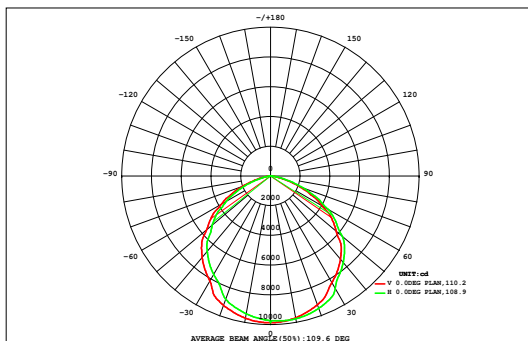
Luminaire Efficiency (Light Output Ratio)	100.0 %
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C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature: 20DEG
Operators: LITPA
Test Date: 10/05/2021

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-225WATT-(LENS SZ)

LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:230.46V I:0.9905A P:225.28W PF:0.9869 Freq:50.01Hz Lamp Flux:25823.5x1 lm		
NAME: KYH-Maxi	TYPE:OUTDOOR	WEIGHT:6.6kg
SPEC.:225 WATT	DIM.: 322X530X50	SERIAL No.:
MFR.: LITPA AYDINLATMA	SUR.:	Shielding Angle:



DATA OF LAMP		Eff:114.63lm/W	
MODEL	KYH-Maxi	Imax (cd)	9867
NOMINAL POWER (W)	225	AVAILABILITY (%)	98.3
RATED VOLTAGE (V)	230.0	Avai. FLUX (lm)	25392
NOMINAL FLUX (lm)	25823.5	LOR (%)	100.0
LAMPS INSIDE	1	TOTAL FLUX (lm)	25824
TEST VOLTAGE (V)	230	θ @50% (H,V)	110,109DEG

VERTICAL (DEG)	AREA FLUX DIAGRAM																UNIT:lm		Φ t	Φ a
	0.01	0.06	0.16	0.37	0.73	1.19	1.66	1.96	1.98	1.85	1.62	1.27	0.90	0.57	0.33	0.17	0.07	0.01	14.9	0.00
90	0.01	0.06	0.16	0.37	0.73	1.19	1.66	1.96	1.98	1.85	1.62	1.27	0.90	0.57	0.33	0.17	0.07	0.01	14.9	0.00
80	0.02	0.25	1.31	4.14	9.03	15.1	21.3	25.5	27.2	26.4	23.4	18.5	12.6	7.36	3.43	1.15	0.26	0.03	197	79.5
70	0.05	0.86	5.21	15.0	29.9	46.6	62.0	72.3	77.7	77.3	69.7	57.4	41.9	26.5	13.3	4.65	0.82	0.06	601	564
60	0.08	2.11	11.6	30.4	56.2	82.6	106	122	131	131	119	101	77.1	51.5	27.7	10.6	1.99	0.09	1063	1045
50	0.13	3.83	19.0	46.3	81.0	117	145	168	178	178	165	140	111	75.8	42.8	17.6	3.61	0.14	1492	1481
40	0.20	5.60	26.0	60.9	102	144	177	204	217	216	202	173	138	96.7	56.9	24.3	5.30	0.21	1849	1841
30	0.28	7.26	32.0	72.5	120	165	204	234	248	247	231	200	159	115	68.3	30.3	6.89	0.29	2140	2134
20	0.34	8.59	36.7	81.6	134	184	228	262	277	276	259	225	178	129	77.5	35.0	8.19	0.35	2401	2395
10	0.37	9.40	39.4	86.5	141	192	239	274	292	290	272	237	187	137	83.0	37.6	9.00	0.39	2528	2523
0	0.38	9.50	39.7	87.1	142	194	240	276	294	297	279	244	192	140	84.3	38.1	9.13	0.39	2566	2561
-10	0.34	8.87	37.7	83.7	138	189	236	272	290	292	274	238	188	136	81.6	36.4	8.55	0.36	2509	2504
-20	0.28	7.66	33.5	77.1	128	180	223	259	276	277	260	223	176	125	74.1	32.4	7.39	0.30	2361	2355
-30	0.21	6.01	27.5	65.5	111	158	196	227	243	244	228	194	153	107	62.1	26.4	5.76	0.22	2055	2048
-40	0.14	4.09	20.4	51.1	90.5	132	167	195	211	211	195	164	128	86.5	48.5	19.4	3.89	0.15	1728	1718
-50	0.09	2.27	12.8	34.6	64.2	96.6	126	147	160	160	146	121	92.0	59.9	32.1	11.9	2.19	0.10	1269	1254
-60	0.05	0.94	5.93	17.8	35.5	56.7	76.2	91.6	100	99.8	88.8	72.0	52.0	32.0	15.9	5.34	0.91	0.06	752	721
-70	0.03	0.29	1.58	5.22	11.5	19.8	28.3	35.3	39.2	38.8	33.3	25.3	16.9	9.60	4.36	1.39	0.29	0.03	271	167
-80	0.01	0.07	0.22	0.53	1.09	1.89	2.78	3.57	4.00	3.81	3.05	2.16	1.38	0.81	0.42	0.19	0.07	0.01	26.1	0.00
-90	0.01	0.07	0.22	0.53	1.09	1.89	2.78	3.57	4.00	3.81	3.05	2.16	1.38	0.81	0.42	0.19	0.07	0.01	26.1	0.00
	-90	-80	-70	-60	-50	-40	-30	-20	HORIZONTAL (DEG)	20	30	40	50	60	70	80	90			
Φ t	3.01	77.6	351	820	1396	1975	2480	2871	3067	3065	2853	2436	1904	1338	777	333	74.3	3.19	25824	---
Φ a	0.00	42.7	323	795	1371	1950	2456	2847	3043	3041	2828	2411	1879	1312	751	305	38.1	0.00	---	25392

one-half-peak spread: U:51.9,D:51.7 , L:56.0,R:54.9

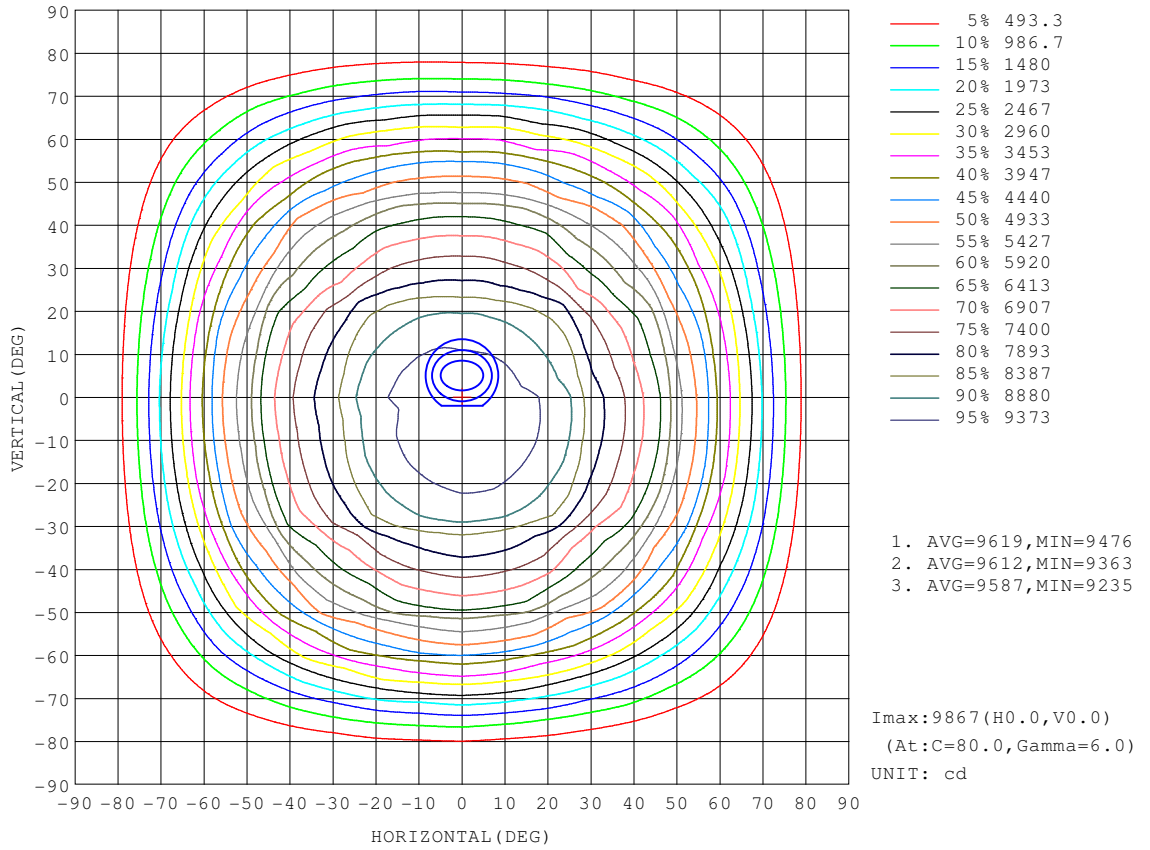
NEMA Beam Type: Type 7

C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature:20DEG
Operators:LITPA
Test Date:10/05/2021

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-225WATT-(LENSSÝZ)

ISOCANDELA DIAGRAM

Test:U:230.46V I:0.9905A P:225.28W PF:0.9869 Freq:50.01Hz Lamp Flux:25823.5x1 lm		
NAME: KYH-Maxi	TYPE:OUTDOOR	WEIGHT:6.6kg
SPEC.:225 WATT	DIM.: 322X530X50	SERIAL No.:
MFR.: LITPA AYDINLATMA	SUR.:	Shielding Angle:

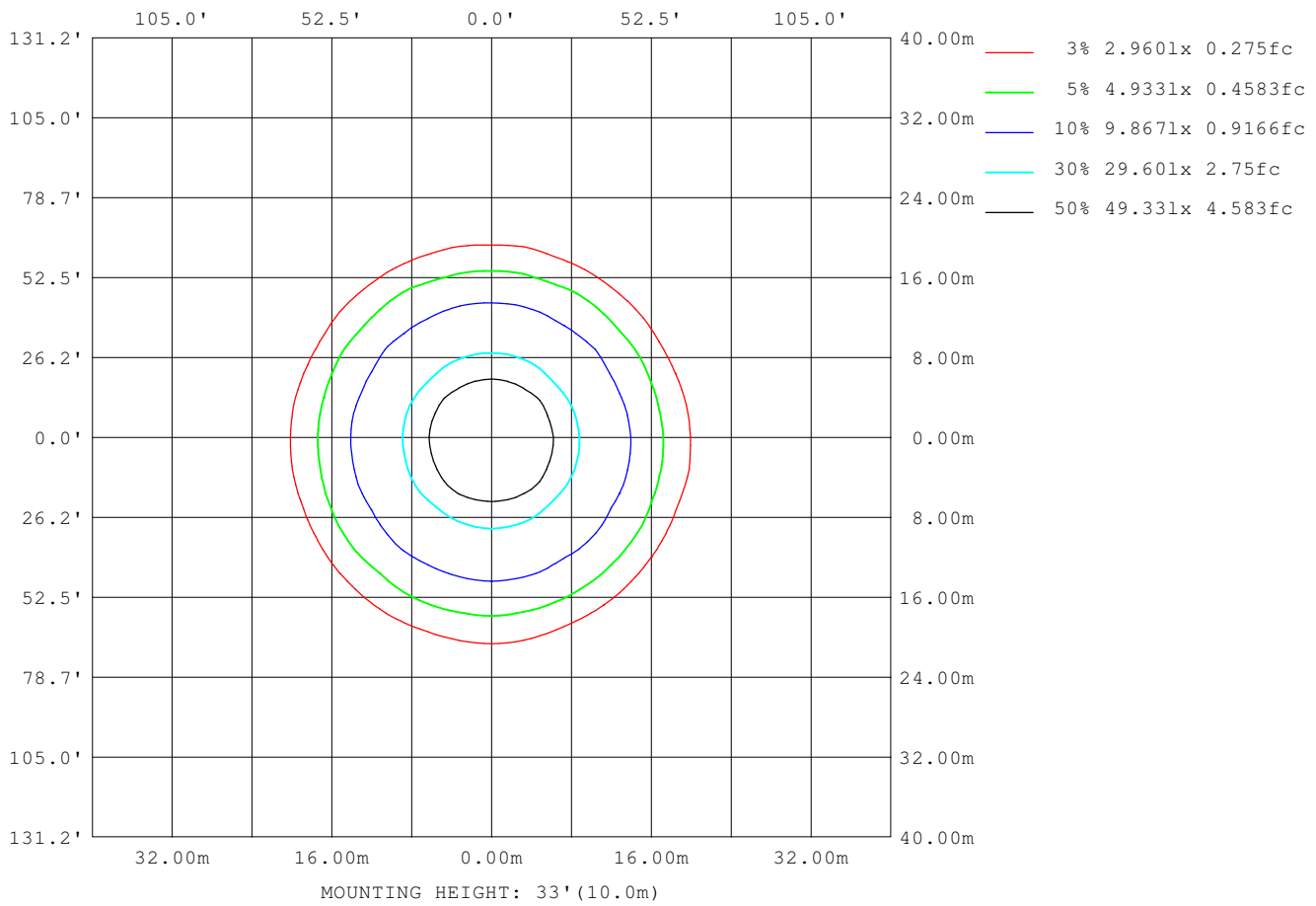


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ISOLUX DIAGRAM

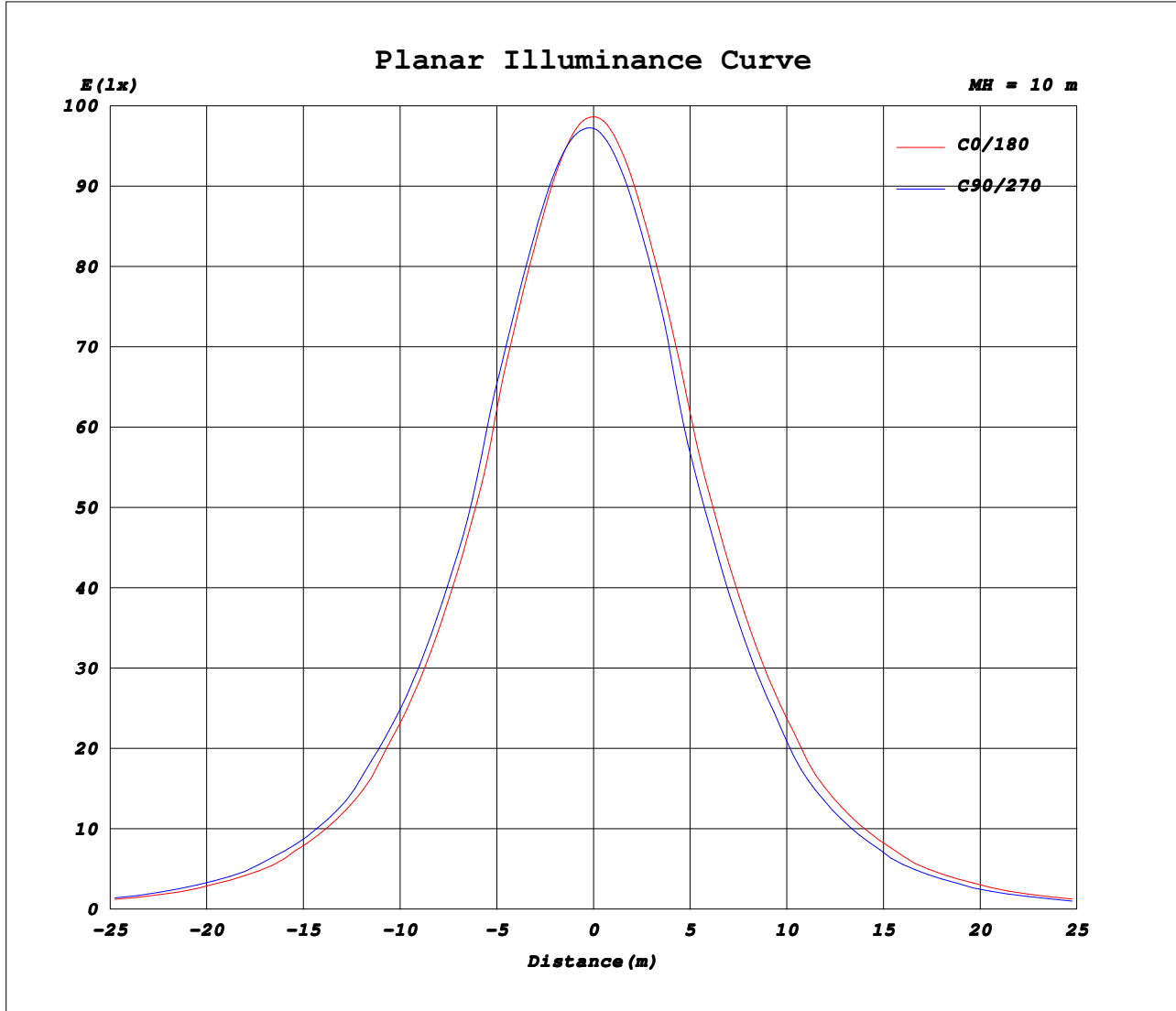
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SPEC.:225 WATT	DIM.: 322X530X50	SERIAL No.:
MFR.: LITPA AYDINLATMA	SUR.:	Shielding Angle:



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Test Date: 10/05/2021

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Planar Illuminance Curve



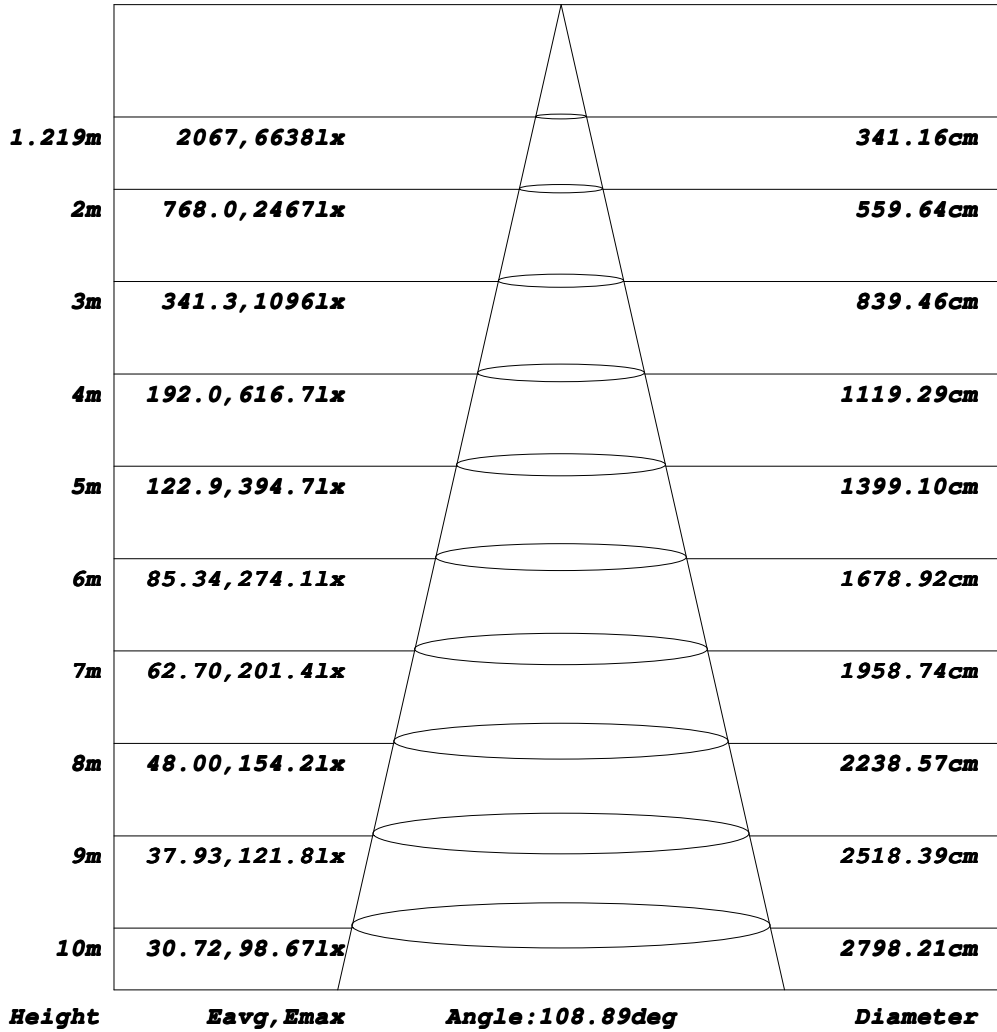
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C Interval: 10.0DEG
Test Speed: HIGH
Temperature: 20DEG
Operators: LITPA
Test Date: 10/05/2021

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-225WATT-(LENSŞÝZ)

AAI Figure

Test:U:230.46V I:0.9905A P:225.28W PF:0.9869 Freq:50.01Hz Lamp Flux:25823.5x1 lm		
NAME: KYH-Maxi	TYPE:OUTDOOR	WEIGHT:6.6kg
SPEC.:225 WATT	DIM.: 322X530X50	SERIAL No.:
MFR.: LITPA AYDINLATMA	SUR.:	Shielding Angle:

Flux out:19685 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
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 Operators: LITPA
 Test Date: 10/05/2021

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-225WATT-(LENSSÝZ)

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:230.46V I:0.9905A P:225.28W PF:0.9869 Freq:50.01Hz Lamp Flux:25823.5x1 lm		
NAME: KYH-Maxi	TYPE:OUTDOOR	WEIGHT:6.6kg
SPEC.:225 WATT	DIM.: 322X530X50	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	2.49	3.04	3.59	3.58	3.57	3.75	3.93	4.31	4.69	4.86	5.03	5.26	5.48	5.64	5.79	5.89	5.99	5.85	5.71
-85	2.49	4.49	6.69	8.20	10.00	13.4	18.7	22.8	27.6	33.7	40.0	45.3	51.1	57.7	63.0	63.6	62.7	63.3	63.2
-80	2.49	5.92	8.92	16.4	26.9	40.4	55.9	88.6	125	162	220	266	310	363	415	440	456	477	491
-75	2.49	6.98	15.7	32.1	53.8	101	183	270	372	502	631	758	890	1007	1113	1165	1220	1281	1320
-70	2.49	7.84	25.5	52.8	116	239	404	582	786	1014	1237	1451	1665	1856	2038	2135	2204	2279	2307
-65	2.49	9.59	36.7	88.9	229	431	691	994	1305	1639	1960	2250	2538	2753	3006	3162	3277	3371	3429
-60	2.49	13.6	49.6	158	370	662	1055	1486	1860	2344	2739	3156	3437	3779	3938	4130	4268	4405	4446
-55	2.49	17.4	63.8	240	540	944	1447	1963	2489	2912	3469	3818	4213	4549	4773	4984	5166	5288	5359
-50	2.49	21.4	90.7	338	737	1257	1831	2448	3063	3647	4158	4697	5107	5404	5688	5995	6120	6243	6302
-45	2.49	25.4	125	445	929	1545	2214	2912	3539	4242	4698	5326	5756	6059	6356	6691	6862	6974	7044
-40	2.49	29.0	166	559	1143	1838	2538	3322	4114	4670	5305	5862	6262	6593	6941	7245	7423	7537	7611
-35	2.49	32.6	204	676	1334	2081	2831	3709	4544	5046	5848	6292	6723	7033	7458	7721	7892	8011	8087
-30	2.49	36.3	242	783	1514	2329	3220	4068	4899	5516	6424	6813	7313	7650	8116	8383	8556	8646	8722
-25	2.49	39.5	276	861	1641	2559	3501	4451	5205	5922	6729	7238	7674	8098	8590	8841	9029	9152	9233
-20	2.49	42.0	311	932	1813	2743	3695	4689	5406	6237	6929	7458	7905	8377	8832	9084	9275	9404	9472
-15	2.49	44.0	337	1005	1923	2860	3835	4836	5555	6464	7087	7602	8051	8578	9008	9268	9459	9580	9654
-10	2.49	45.4	356	1058	1985	2941	3935	4952	5666	6601	7192	7703	8138	8670	9098	9371	9566	9681	9751
-5	2.49	46.2	367	1088	2022	2990	3993	5025	5741	6689	7275	7776	8186	8725	9117	9368	9592	9723	9767
0	2.49	46.3	370	1097	2033	3007	4010	5047	5765	6727	7318	7836	8266	8835	9221	9475	9687	9822	9867
5	2.49	45.9	364	1076	1997	2966	3968	4990	5700	6646	7230	7732	8159	8703	9096	9355	9542	9650	9603
10	2.49	44.9	352	1034	1936	2888	3885	4885	5586	6512	7096	7593	8017	8554	8926	9166	9347	9443	9412
15	2.49	43.3	331	974	1852	2772	3762	4732	5408	6320	6920	7409	7812	8301	8692	8918	9092	9178	9159
20	2.49	41.2	303	897	1725	2614	3587	4490	5139	6039	6616	7082	7526	7976	8370	8602	8762	8839	8834
25	2.49	38.4	267	821	1543	2437	3366	4174	4811	5559	6182	6602	7004	7377	7723	7948	8080	8131	8105
30	2.49	35.0	232	740	1406	2213	3084	3794	4507	5101	5756	6184	6544	6876	7237	7446	7574	7648	7652
35	2.49	31.2	193	640	1231	1963	2722	3441	4174	4684	5341	5788	6124	6408	6765	6975	7099	7170	7174
40	2.49	27.5	157	529	1049	1709	2419	3061	3781	4281	4884	5334	5645	5939	6255	6440	6560	6629	6631
45	2.49	23.9	122	418	872	1415	2076	2623	3195	3767	4224	4686	5066	5280	5545	5778	5893	5946	5917
50	2.49	20.0	86.5	312	691	1150	1672	2166	2692	3215	3595	4023	4322	4557	4762	4950	5054	5111	5114
55	2.49	16.1	58.8	219	505	885	1271	1766	2143	2597	3002	3303	3654	3922	4084	4242	4363	4409	4406
60	2.49	12.5	44.9	146	338	603	915	1258	1641	1990	2323	2591	2872	3081	3194	3301	3413	3461	3465
65	2.49	8.66	32.3	82.0	206	376	594	827	1102	1382	1615	1830	2056	2228	2362	2449	2532	2557	2546
70	2.49	6.99	21.8	46.8	107	204	317	475	655	821	991	1148	1348	1443	1543	1616	1666	1689	1687
75	2.49	6.16	13.1	27.3	46.9	84.4	142	215	303	389	481	581	683	738	776	827	864	859	832
80	2.49	5.17	7.14	13.3	22.4	31.9	41.9	64.9	93.5	121	149	181	220	241	258	276	285	277	263
85	2.49	3.84	5.16	6.23	7.61	9.39	12.0	14.5	18.1	21.2	23.6	27.0	30.6	31.7	32.3	33.6	34.2	32.3	29.9
90	2.49	2.50	2.52	2.55	2.57	2.60	2.63	2.65	2.68	2.72	2.76	2.81	2.86	2.92	2.97	3.05	3.13	3.18	3.23

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SPEC.:225 WATT	DIM.: 322X530X50	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	4.97	4.23	3.45	2.67	2.56	2.46	2.40	2.33	2.32	2.31	2.29	2.27	2.29	2.31	2.36	2.41	2.60	2.79	
-85	60.9	57.8	53.5	48.7	43.9	38.5	34.4	30.1	25.8	21.3	18.2	15.4	11.8	9.31	7.54	5.59	4.11	2.79	
-80	461	424	385	339	290	243	202	164	126	94.9	70.1	47.7	36.2	25.7	17.1	10.2	5.61	2.79	
-75	1260	1180	1084	968	874	746	648	530	407	313	226	153	89.7	49.5	32.9	17.9	7.67	2.79	
-70	2230	2133	2021	1865	1698	1513	1306	1088	884	677	497	341	211	109	51.3	28.0	9.94	2.79	
-65	3362	3227	3058	2847	2607	2323	2070	1747	1499	1152	885	611	384	213	89.6	39.2	12.7	2.79	
-60	4361	4205	4002	3751	3544	3250	2920	2519	2147	1715	1361	956	608	340	156	50.2	16.8	2.79	
-55	5296	5186	5038	4745	4399	4111	3647	3270	2731	2318	1837	1346	876	508	240	69.0	20.7	2.79	
-50	6208	6067	5910	5552	5148	4915	4437	3976	3390	2897	2291	1723	1188	685	328	95.8	25.0	2.79	
-45	6991	6884	6710	6337	5943	5610	5212	4548	4061	3365	2771	2089	1468	875	426	128	29.3	2.79	
-40	7559	7452	7277	7028	6554	6119	5710	5181	4508	3924	3163	2425	1751	1094	532	172	33.2	2.79	
-35	8043	7942	7760	7478	6971	6555	6144	5670	4890	4360	3472	2723	1996	1305	637	211	36.8	2.79	
-30	8629	8519	8301	8071	7597	7047	6636	6153	5405	4743	3810	3092	2252	1466	738	247	40.2	2.79	
-25	9197	9095	8900	8651	8139	7560	7101	6588	5846	5067	4272	3354	2480	1593	820	280	43.0	2.79	
-20	9460	9356	9162	8908	8489	7831	7363	6823	6214	5282	4556	3558	2657	1748	888	312	45.3	2.79	
-15	9656	9546	9354	9100	8744	8019	7534	6999	6402	5447	4725	3709	2762	1848	958	337	47.2	2.79	
-10	9772	9668	9483	9223	8869	8134	7657	7127	6525	5554	4820	3794	2832	1905	1009	356	48.5	2.79	
-5	9829	9721	9530	9274	8930	8194	7710	7176	6571	5608	4867	3840	2869	1935	1039	367	49.2	2.79	
0	9837	9712	9509	9257	8914	8165	7695	7163	6563	5595	4866	3845	2874	1941	1048	371	49.5	2.79	
5	9582	9457	9258	9003	8657	7963	7521	7019	6441	5501	4789	3790	2834	1902	1026	365	49.1	2.79	
10	9387	9281	9088	8836	8493	7793	7348	6844	6267	5352	4667	3696	2759	1840	984	352	48.2	2.79	
15	9127	9029	8847	8608	8239	7584	7155	6661	6089	5156	4501	3566	2651	1755	924	331	46.8	2.79	
20	8799	8685	8510	8261	7839	7286	6806	6356	5818	4888	4243	3389	2502	1630	848	302	44.9	2.79	
25	8093	7982	7838	7608	7192	6755	6325	5929	5342	4562	3922	3172	2324	1456	781	267	42.4	2.79	
30	7634	7521	7377	7166	6724	6315	5938	5509	4870	4258	3510	2898	2090	1322	706	233	39.4	2.79	
35	7156	7047	6903	6662	6210	5894	5546	5117	4434	3931	3208	2539	1835	1156	605	195	36.0	2.79	
40	6616	6518	6371	6155	5745	5420	5095	4645	4033	3519	2867	2241	1606	978	501	159	32.4	2.79	
45	5923	5840	5668	5370	5054	4826	4459	3978	3536	2989	2426	1921	1313	807	399	124	28.6	2.79	
50	5097	5022	4892	4634	4360	4117	3801	3364	3000	2482	1997	1535	1056	639	302	90.1	24.4	2.79	
55	4390	4313	4119	3906	3729	3425	3096	2756	2391	1964	1560	1159	805	460	212	62.8	20.3	2.79	
60	3454	3383	3208	3053	2913	2677	2389	2117	1785	1469	1134	828	547	311	140	47.8	16.6	2.79	
65	2544	2496	2357	2210	2044	1877	1654	1458	1207	986	728	526	334	190	80.7	36.6	12.6	2.79	
70	1668	1610	1526	1431	1309	1165	999	862	694	560	404	279	179	95.9	47.6	26.3	10.1	2.79	
75	829	809	759	690	630	549	474	383	309	240	175	119	74.1	45.3	30.3	17.2	8.17	2.79	
80	267	263	236	210	187	164	135	108	88.7	71.4	52.0	37.8	31.0	23.9	16.4	10.5	6.35	2.79	
85	30.7	31.1	29.3	27.1	25.9	24.5	21.8	19.4	18.3	16.6	14.3	12.4	10.6	9.49	8.40	7.08	4.88	2.79	
90	3.29	3.35	3.38	3.41	3.47	3.52	3.56	3.60	3.66	3.72	3.76	3.80	3.84	3.89	3.94	3.99	3.39	2.79	

C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature:20DEG
Operators:LITPA
Test Date:10/05/2021

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-225WATT-(LENSSÝZ)