

## Floodlight Summary:

Report based on lamp delivering 1000 lumens.

Maximum Intensity	868.4 cd per klm.
(Luminaire orientation as tested.)	0.0 degrees vertical
	0.0 degrees horizontal

Beam Spread	At 10% of Imax	137.1V x 145.7H
	At 50% of Imax	36.5V x 115.4H
	At 90% of Imax	7.5V x 48.8H

Beam Flux	Total	1000.0 lumens per klm.
	To 10% of Imax	927.3 lumens per klm.
	To 50% of Imax	232.0 lumens per klm.
	To 90% of Imax	30.3 lumens per klm.

Upward LOR	0.0 %
Downward LOR	100.0 %

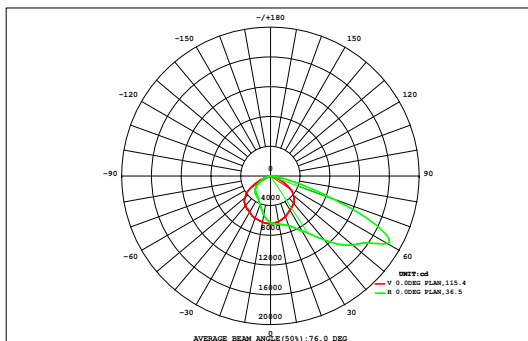
Luminaire Efficiency (Light Output Ratio)	100.0 %
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C Range: 0 - 360DEG  
C Interval: 10.0DEG  
Test Speed: HIGH  
Temperature: 20DEG  
Operators: LITPA  
Test Date: 10/05/2021

$\gamma$  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-225WATT-ASYMETRYK

## LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:230.33V I:0.9985A P:227.04W PF:0.9872 Freq:50.01Hz Lamp Flux:21950.7x1 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:96.68lm/W	
MODEL	KYH-Maxi	Imax(cd)	19062
NOMINAL POWER(W)	225	AVAILABILITY(%)	92.6
RATED VOLTAGE(V)	230.0	Avai. FLUX(lm)	20334
NOMINAL FLUX(lm)	21950.7	LOR(%)	100.0
LAMPS INSIDE	1	TOTAL FLUX(lm)	21951
TEST VOLTAGE(V)	230	θ @50% (H,V)	115,36DEG

VERTICAL (DEG)	AREA FLUX DIAGRAM																UNIT:lm		Φ t	Φ a
	0.00	0.03	0.10	0.25	0.52	0.91	1.41	1.91	1.82	1.21	0.88	0.72	0.54	0.38	0.25	0.16	0.08	0.02	11.2	0.00
90	0.01	0.15	0.76	2.31	4.99	8.47	12.1	14.8	15.2	13.0	11.0	9.12	6.55	4.08	2.10	0.86	0.27	0.03	106	0.00
80	0.03	0.47	2.48	7.07	14.3	22.9	31.4	37.3	39.2	36.3	32.8	27.4	19.8	12.6	6.45	2.55	0.65	0.06	294	0.00
70	0.05	0.98	4.81	12.6	23.7	37.0	51.3	64.2	69.1	65.0	57.0	45.9	33.1	21.5	11.6	4.80	1.20	0.09	504	232
60	0.08	1.56	7.09	17.2	30.5	46.4	63.6	82.1	90.2	85.9	74.0	58.3	42.9	28.8	16.9	7.46	1.87	0.13	655	476
50	0.11	2.13	9.49	21.8	37.5	55.0	73.2	91.4	100	96.6	85.4	69.0	53.5	38.7	24.6	11.6	2.63	0.17	773	641
40	0.14	2.70	12.6	30.5	50.7	70.0	88.8	106	116	111	101	86.7	72.0	56.9	37.6	17.0	3.43	0.21	963	899
30	0.17	3.27	16.9	43.0	69.7	91.9	113	134	146	139	128	114	97.3	79.0	52.5	22.0	4.15	0.24	1253	1215
20	0.18	3.72	21.2	54.9	88.4	115	140	165	181	173	162	145	123	98.4	63.1	25.4	4.64	0.25	1564	1534
10	0.18	3.82	22.8	59.7	95.7	124	150	175	191	198	190	173	147	115	71.8	27.9	4.81	0.25	1748	1722
0	0.17	3.49	21.3	58.5	99.6	136	165	189	202	211	209	196	166	128	77.8	28.9	4.60	0.24	1896	1868
-10	0.15	2.92	19.1	59.2	108	151	185	213	229	243	243	222	182	133	76.8	26.7	3.97	0.21	2097	2069
-20	0.12	2.27	15.9	54.2	108	159	204	248	282	306	293	245	187	128	68.3	21.4	3.10	0.18	2326	2295
-30	0.09	1.64	10.8	42.8	95.4	151	213	286	362	404	357	268	184	113	53.2	14.2	2.20	0.14	2559	2523
-40	0.06	1.05	6.10	26.3	69.2	127	201	305	430	502	423	273	157	80.8	32.1	7.80	1.39	0.09	2643	2594
-50	0.04	0.57	2.99	11.4	34.4	75.7	143	260	397	437	319	172	82.6	35.9	13.4	3.64	0.74	0.06	1990	1907
-60	0.02	0.24	1.14	3.59	9.33	19.6	38.8	76.4	115	114	73.3	35.6	16.5	7.87	3.51	1.25	0.30	0.03	517	359
-70	0.01	0.09	0.27	0.64	1.32	2.43	4.65	8.63	11.1	9.21	5.77	3.29	1.77	0.94	0.49	0.22	0.07	0.01	50.9	0.00
-80																				
-90																				
	-90	-80	-70	-60	-50	-40	-30	-20	HORIZONTAL (DEG)	20	30	40	50	60	70	80	90			
Φ t	1.62	31.1	176	506	941	1393	1878	2459	2977	3146	2765	2143	1572	1083	613	224	40.1	2.42	21951	---
Φ a	0.00	0.00	39.1	383	804	1269	1781	2370	2893	3063	2676	2035	1445	964	510	101	0.00	0.00	---	20334

one-half-peak spread: U:8.7,D:28.2 , L:56.8,R:58.9

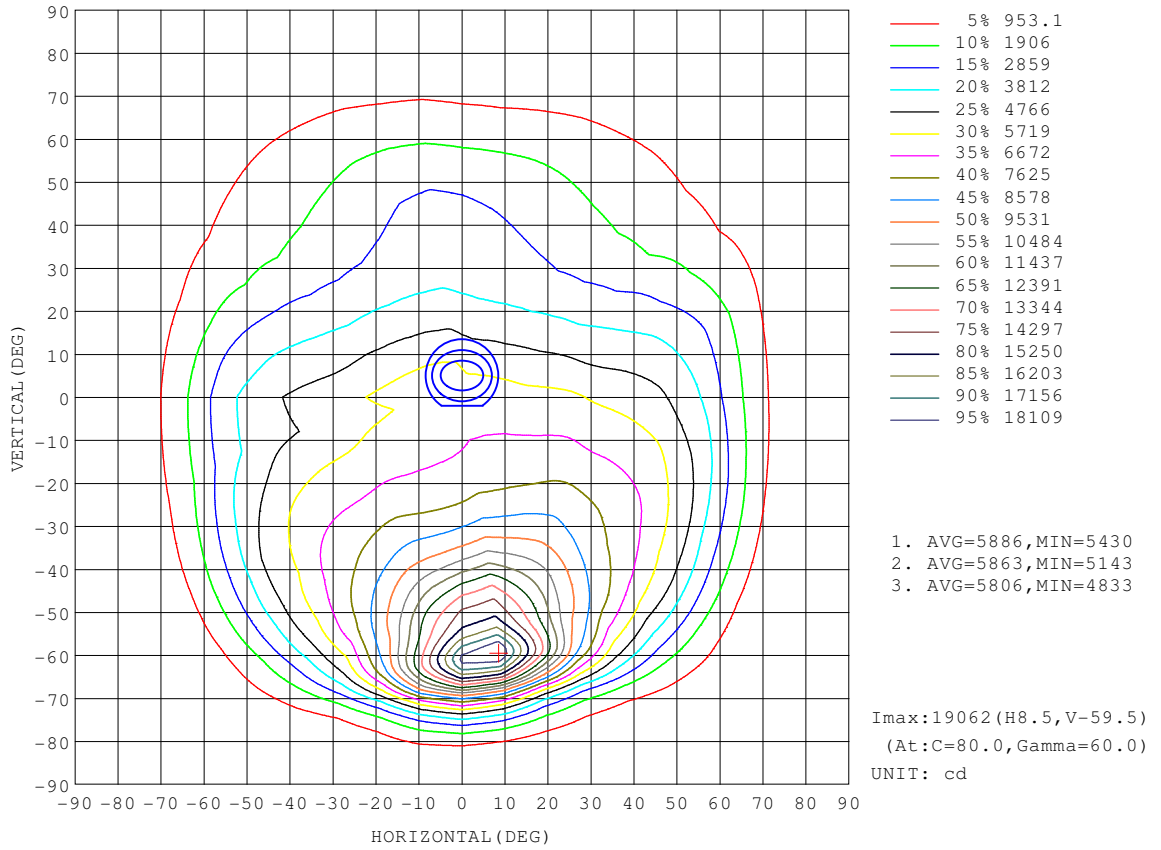
NEMA Beam Type: Type 7

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-ASYMETRYK

## ISOCANDELA DIAGRAM

Test:U:230.33V I:0.9985A P:227.04W PF:0.9872 Freq:50.01Hz Lamp Flux:21950.7x1 lm		
NAME: KYH-Maxi	TYPE:OUTDOOR	WEIGHT:6.6kg
SPEC.:225 WATT	DIM.: 322X530X50	SERIAL No.:
MFR.: LITPA AYDINLATMA	SUR.:	Shielding Angle:

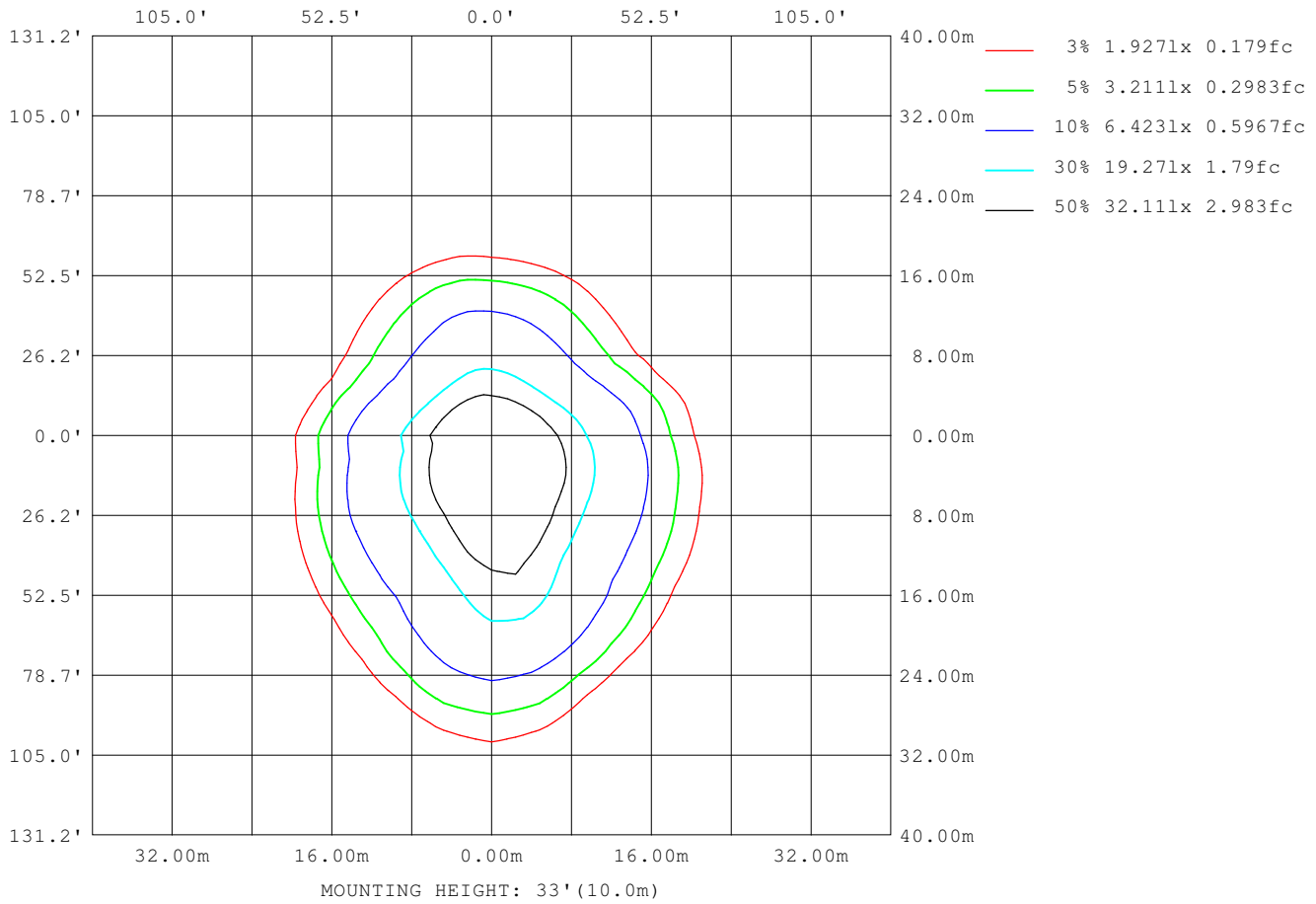


C Range: 0 - 360DEG  
C Interval: 10.0DEG  
Test Speed: HIGH  
Temperature:20DEG  
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Test Date:10/05/2021

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## ISOLUX DIAGRAM

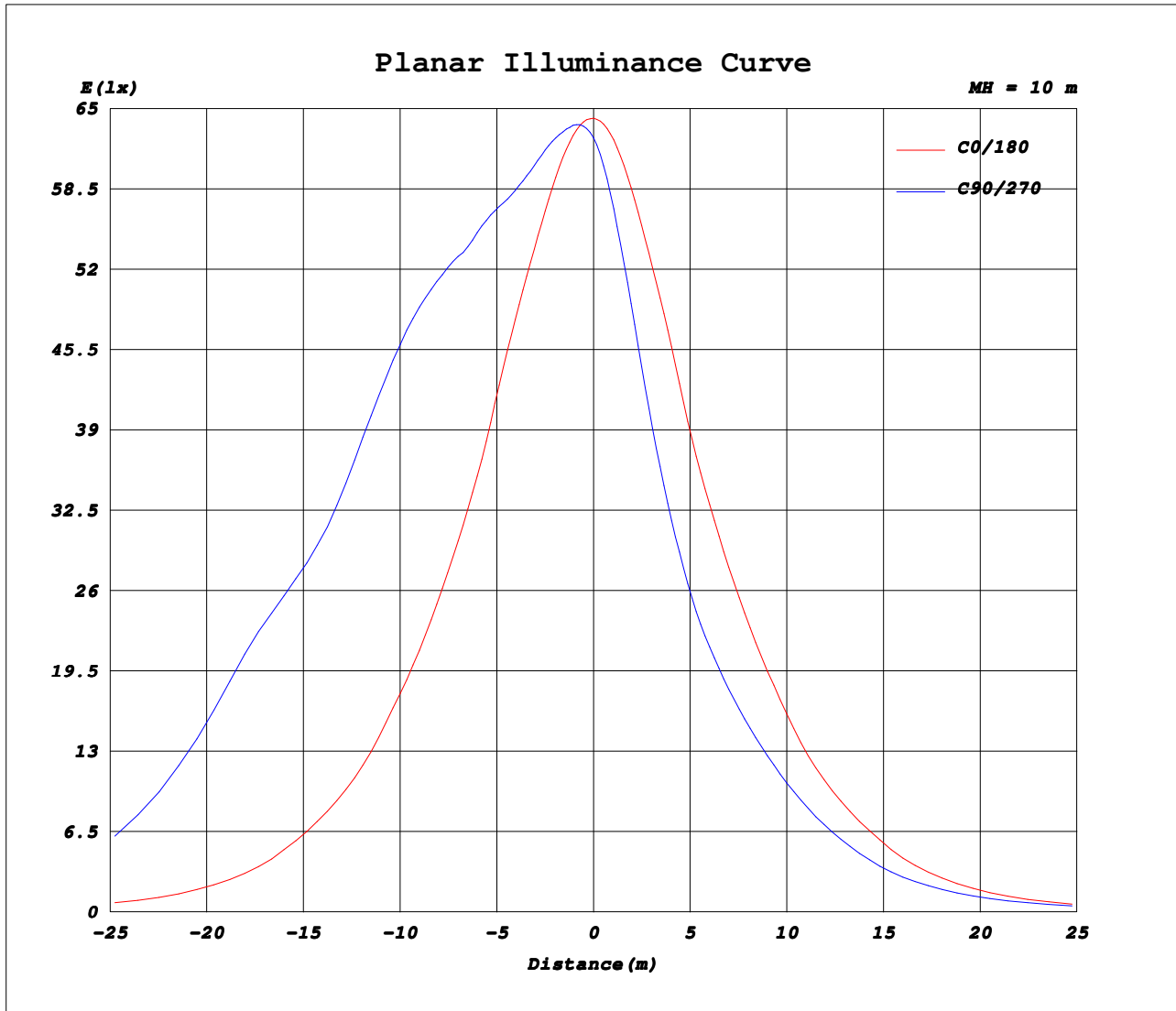
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SPEC.:225 WATT	DIM.: 322X530X50	SERIAL No.:
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C Interval: 10.0DEG  
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Temperature: 20DEG  
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Test Date: 10/05/2021

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Test System: EVERFINE GO-2000B\_V1 SYSTEM V2.0.400  
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Remarks: KYH-225WATT-ASYMETRYK

## Planar Illuminance Curve

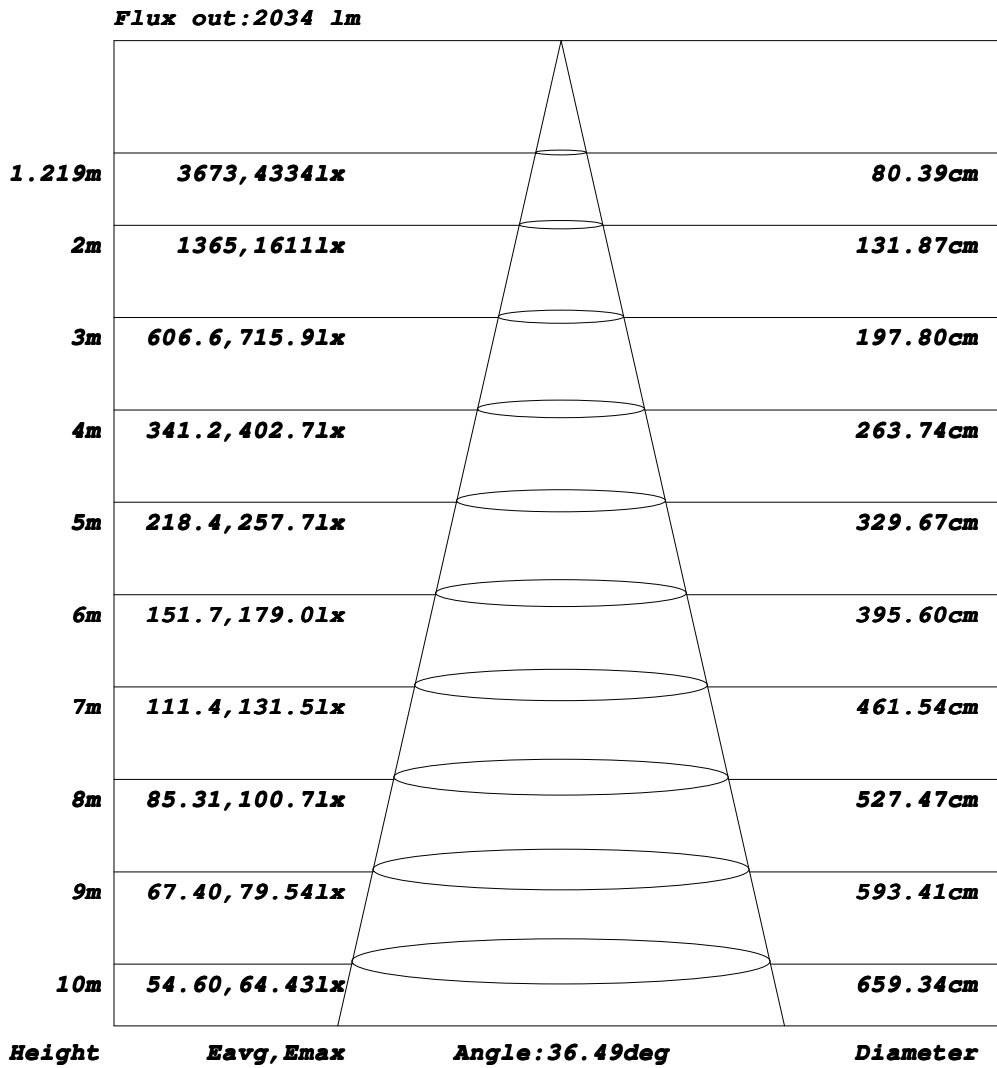


C Range: 0 - 360DEG  
C Interval: 10.0DEG  
Test Speed: HIGH  
Temperature: 20DEG  
Operators: LITPA  
Test Date: 10/05/2021

$\gamma$  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-225WATT-ASYMETRYK

## AAI Figure

Test:U:230.33V I:0.9985A P:227.04W PF:0.9872 Freq:50.01Hz Lamp Flux:21950.7x1 lm		
NAME: KYH-Maxi	TYPE:OUTDOOR	WEIGHT:6.6kg
SPEC.:225 WATT	DIM.: 322X530X50	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: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-ASYMETRYK

## LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:230.33V I:0.9985A P:227.04W PF:0.9872 Freq:50.01Hz Lamp Flux:21950.7x1 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:  $\mu\text{A10cd}$ 

H (DEG) V (DEG)	-90	-85	-80	-75	-70	-65	-60	-55	-50	-45	-40	-35	-30	-25	-20	-15	-10	-5	0
-90	0.16	0.43	0.70	0.76	0.82	0.88	0.94	0.92	0.90	0.96	1.02	1.14	1.27	1.42	1.57	1.75	1.93	1.34	0.74
-85	0.16	0.45	0.76	0.98	1.28	1.75	2.41	3.02	3.77	4.90	6.12	7.65	9.40	13.0	17.0	22.0	27.1	25.4	23.3
-80	0.16	0.47	0.88	1.54	2.60	4.07	6.03	8.67	11.8	15.6	20.6	26.3	32.5	46.2	62.3	85.3	109	118	124
-75	0.16	0.52	1.25	2.64	4.78	8.11	12.7	18.8	27.2	38.2	52.6	68.3	83.6	119	160	227	297	340	377
-70	0.16	0.58	1.85	4.19	8.04	13.9	22.3	35.0	55.8	83.9	124	166	221	306	410	553	710	803	871
-65	0.16	0.69	2.60	6.27	12.2	21.5	35.2	58.4	101	155	222	306	400	532	701	925	1171	1379	1571
-60	0.16	0.89	3.49	8.75	17.3	30.9	53.1	94.8	159	232	326	421	521	645	825	1040	1290	1550	1817
-55	0.16	1.08	4.61	11.5	23.2	42.2	79.2	145	227	320	417	513	612	726	871	1031	1229	1406	1572
-50	0.16	1.33	5.83	14.6	30.0	56.3	113	195	291	391	489	568	666	766	886	1012	1182	1322	1447
-45	0.16	1.59	7.10	17.7	37.0	74.1	149	240	343	448	525	608	692	775	867	972	1093	1199	1298
-40	0.16	1.83	8.44	21.1	44.7	95.2	179	279	386	488	550	630	697	761	824	913	988	1052	1121
-35	0.16	2.07	9.73	24.8	52.7	116	201	307	420	506	571	644	694	743	788	846	889	920	965
-30	0.16	2.33	11.0	28.0	60.5	132	220	326	434	506	576	632	675	711	749	789	809	826	855
-25	0.16	2.54	12.1	31.3	68.8	142	233	336	434	498	565	608	642	669	700	726	736	748	771
-20	0.16	2.71	13.1	34.1	77.8	150	237	339	423	483	543	579	608	630	659	678	687	696	713
-15	0.16	2.83	13.9	36.6	85.6	159	244	333	406	463	513	547	572	594	625	642	655	666	680
-10	0.16	2.91	14.5	38.5	91.7	166	254	342	396	438	479	509	534	561	595	615	632	647	659
-5	0.16	2.95	14.8	39.6	95.1	169	259	348	402	447	476	492	505	526	562	589	613	630	644
0	0.16	2.95	14.9	39.9	96.1	170	259	349	404	453	485	508	527	554	584	604	623	637	642
5	0.16	2.92	14.8	39.2	90.4	158	238	319	370	414	441	461	480	507	540	565	588	603	588
10	0.16	2.84	14.4	37.8	82.9	143	214	285	332	370	396	415	433	457	487	511	534	549	533
15	0.16	2.73	13.8	35.8	74.3	126	187	248	291	325	350	368	386	406	433	454	473	484	471
20	0.16	2.57	13.0	33.2	65.5	109	160	210	248	277	304	323	338	361	384	401	417	427	416
25	0.16	2.37	11.9	30.5	57.2	94.6	137	174	203	235	259	279	300	320	343	362	375	383	374
30	0.16	2.13	10.8	27.5	50.3	82.8	115	141	173	200	220	246	264	287	309	329	343	350	344
35	0.16	1.86	9.45	24.2	45.1	72.1	98.0	122	151	170	197	218	242	263	289	312	327	332	328
40	0.16	1.60	8.07	20.8	39.5	62.5	84.8	110	133	155	179	201	224	247	272	298	313	318	314
45	0.16	1.34	6.59	17.4	33.7	53.6	75.4	97.8	119	142	163	186	208	230	256	283	296	300	296
50	0.16	1.07	5.26	14.0	27.8	44.9	64.6	85.7	106	128	148	170	191	212	236	260	271	273	267
55	0.16	0.82	3.97	10.8	21.8	36.0	52.9	71.9	90.9	111	130	149	169	188	205	222	231	231	224
60	0.16	0.64	2.80	7.72	15.8	26.9	40.3	56.1	72.7	89.6	106	122	139	153	164	173	179	177	171
65	0.16	0.46	1.91	5.07	10.6	18.3	27.8	39.5	52.8	66.1	78.6	91.4	104	114	120	126	131	128	123
70	0.16	0.34	1.19	2.97	6.20	10.9	16.7	24.4	33.5	42.5	51.8	61.2	70.6	76.8	80.8	85.2	88.7	85.7	80.8
75	0.16	0.25	0.68	1.58	3.04	5.24	8.28	12.3	17.0	21.9	26.8	32.4	38.0	42.5	45.8	49.4	52.2	49.0	44.5
80	0.16	0.18	0.37	0.72	1.30	1.98	2.80	4.31	6.14	7.89	9.97	12.2	14.6	16.7	18.8	20.9	22.7	19.9	16.5
85	0.16	0.17	0.17	0.27	0.41	0.57	0.76	0.99	1.31	1.59	1.86	2.31	2.83	3.29	3.73	4.26	4.74	3.66	2.48
90	0.16	0.17	0.17	0.19	0.20	0.21	0.22	0.24	0.26	0.29	0.31	0.35	0.39	0.49	0.58	0.61	0.65	0.69	0.74

**C Range: 0 - 360DEG**  
**C Interval: 10.0DEG**  
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SPEC.:225 WATT	DIM.: 322X530X50	SERIAL No.:
MFR.: LITPA AYDINLATMA	SUR.:	Shielding Angle:

Table--2

UNIT:  $\mu\text{A10cd}$ 

H (DEG) V (DEG)	5	10	15	20	25	30	35	40	45	50	55	60	65	70	75	80	85	90	
-90	0.60	0.47	0.44	0.42	0.41	0.39	0.38	0.36	0.35	0.34	0.34	0.33	0.33	0.32	0.32	0.32	0.32	0.32	
-85	17.8	12.1	10.0	8.07	6.64	5.35	4.48	3.84	3.19	2.55	2.16	1.84	1.43	1.08	0.79	0.54	0.41	0.32	
-80	111	94.7	74.5	55.3	41.9	30.6	22.9	16.7	12.7	9.57	7.53	5.64	3.99	2.72	1.84	1.10	0.51	0.32	
-75	336	290	220	154	113	77.1	58.3	42.2	32.4	24.1	18.5	13.2	8.82	5.50	3.33	1.85	0.74	0.32	
-70	806	713	540	382	274	190	139	100	73.9	53.6	37.4	25.3	16.0	9.86	5.48	2.78	1.03	0.32	
-65	1515	1396	1121	856	627	450	326	228	156	109	70.1	43.8	25.6	15.1	8.34	3.91	1.34	0.32	
-60	1867	1817	1528	1223	928	695	516	380	269	181	121	69.7	37.9	21.7	11.7	5.19	1.69	0.32	
-55	1646	1638	1447	1229	977	804	617	496	369	268	176	104	52.6	29.4	15.4	6.76	2.02	0.32	
-50	1482	1445	1314	1151	976	839	697	578	460	351	240	145	71.4	38.3	19.8	8.39	2.41	0.32	
-45	1350	1319	1219	1100	972	848	746	624	531	422	301	189	99.3	48.4	24.3	10.0	2.81	0.32	
-40	1178	1163	1109	1038	938	840	754	666	569	474	348	226	129	60.1	28.8	11.7	3.17	0.32	
-35	1018	1014	996	959	886	819	749	683	590	508	386	265	160	73.0	33.3	13.3	3.52	0.32	
-30	894	898	900	888	847	792	746	689	613	531	420	295	182	86.7	37.5	14.9	3.88	0.32	
-25	806	816	826	829	809	769	733	686	622	542	445	315	198	98.7	41.4	16.2	4.19	0.32	
-20	738	749	758	767	760	729	703	666	619	538	454	328	208	109	44.5	17.4	4.43	0.32	
-15	696	703	709	716	712	688	666	638	599	528	452	332	213	116	47.1	18.3	4.62	0.32	
-10	671	674	674	675	671	647	629	605	573	508	437	326	214	120	48.7	18.8	4.75	0.32	
-5	654	652	646	641	632	606	589	567	538	481	415	314	209	119	49.1	19.1	4.82	0.32	
0	640	631	618	607	592	564	546	526	500	448	388	295	198	116	48.6	19.0	4.83	0.32	
5	573	563	549	536	523	504	493	481	461	417	365	279	189	112	47.9	18.8	4.81	0.32	
10	518	507	493	481	469	451	442	433	421	384	338	260	178	106	46.3	18.4	4.73	0.32	
15	456	448	436	426	411	398	390	382	371	342	308	239	164	98.8	43.8	17.7	4.60	0.32	
20	404	396	384	374	359	344	338	330	316	294	263	210	149	89.4	40.6	16.8	4.41	0.32	
25	364	355	344	329	312	300	286	279	265	243	216	176	130	78.8	37.2	15.5	4.17	0.32	
30	335	324	311	294	275	257	246	229	217	201	171	143	110	67.1	33.3	14.2	3.87	0.32	
35	319	307	291	271	247	230	211	197	173	164	139	113	89.8	55.8	29.4	12.7	3.53	0.32	
40	304	291	273	250	229	209	190	171	151	133	116	89.6	71.8	46.2	25.5	11.2	3.19	0.32	
45	285	271	253	232	211	191	172	151	134	112	96.4	75.8	56.8	37.9	21.4	9.54	2.84	0.32	
50	258	245	228	210	192	173	154	135	117	98.2	80.4	62.6	45.2	30.7	17.5	8.02	2.45	0.32	
55	217	207	196	183	169	151	133	117	100	82.9	65.6	50.4	36.0	24.1	13.8	6.50	2.09	0.32	
60	166	160	155	146	135	122	108	93.9	80.6	65.5	51.1	38.3	27.3	17.9	10.4	5.03	1.78	0.32	
65	119	114	111	106	99.4	90.3	79.2	68.3	58.3	47.1	36.1	26.8	19.0	12.5	7.42	3.89	1.46	0.32	
70	77.6	73.5	71.4	68.1	63.7	58.0	50.4	43.0	36.1	29.2	22.4	16.3	11.8	7.94	4.87	2.88	1.18	0.32	
75	41.0	37.2	35.5	33.1	31.1	28.3	24.8	21.0	17.8	14.5	11.2	8.32	6.18	4.38	3.08	2.05	0.91	0.32	
80	14.5	12.3	11.5	10.5	9.83	9.04	7.87	6.65	5.77	4.93	3.96	3.10	2.69	2.24	1.80	1.41	0.70	0.32	
85	1.96	1.45	1.41	1.34	1.37	1.34	1.23	1.14	1.16	1.12	1.07	1.02	1.01	1.00	1.00	0.92	0.63	0.32	
90	0.72	0.71	0.63	0.56	0.51	0.46	0.44	0.42	0.42	0.42	0.43	0.45	0.48	0.51	0.65	0.79	0.56	0.32	

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

**$\gamma$  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-225WATT-ASYMETRYK**