

Floodlight Summary:

Report based on lamp delivering 1000 lumens.

Maximum Intensity	913.3 cd per klm.
(Luminaire orientation as tested.)	0.0 degrees vertical
	0.0 degrees horizontal

Beam Spread	At 10% of Imax	114.7V x 115.2H
	At 50% of Imax	51.6V x 52.2H
	At 90% of Imax	16.6V x 18.5H

Beam Flux	Total	1000.1 lumens per klm.
	To 10% of Imax	937.5 lumens per klm.
	To 50% of Imax	407.9 lumens per klm.
	To 90% of Imax	63.7 lumens per klm.

Upward LOR	0.0 %
Downward LOR	100.0 %

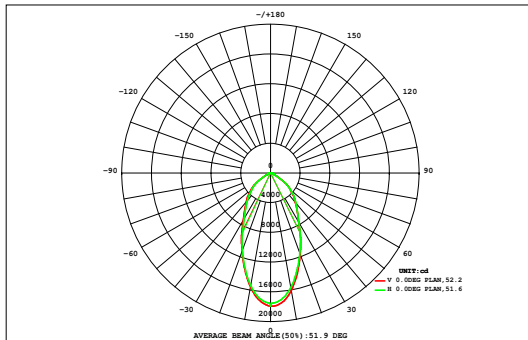
Luminaire Efficiency (Light Output Ratio)	100.0 %
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C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature: 20DEG
Operators: LITPA
Test Date: 11/05/2021

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-150WATT-60°

LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:230.53V I:0.6611A P:149.99W PF:0.9842 Freq:50.01Hz Lamp Flux:19617.2x1 lm		
NAME: KYH-Midi	TYPE:OUTDOOR	WEIGHT:5.2kg
SPEC.:150 WATT	DIM.: 262X430X50	SERIAL No.:
MFR.: LITPA AYDINLATMA	SUR.:	Shielding Angle:



DATA OF LAMP		Eff:130.79lm/W	
MODEL	KYH-Midi	Imax(cd)	17917
NOMINAL POWER(W)	150	AVAILABILITY(%)	93.7
RATED VOLTAGE(V)	230.0	Avai. FLUX(lm)	18376
NOMINAL FLUX(lm)	19617.2	LOR(%)	100.0
LAMPS INSIDE	1	TOTAL FLUX(lm)	19617
TEST VOLTAGE(V)	230	θ @50% (H,V)	52,52DEG

VERTICAL (DEG)	AREA FLUX DIAGRAM																UNIT:lm		Φ t	Φ a
	0.01	0.04	0.11	0.23	0.40	0.61	0.84	1.02	1.10	1.07	0.92	0.70	0.53	0.35	0.20	0.11	0.07	0.02	8.32	0.00
90	0.01	0.15	0.59	1.40	2.52	3.92	5.30	6.19	6.53	6.52	6.05	4.85	3.32	2.29	1.34	0.56	0.16	0.02	51.7	0.00
80	0.03	0.38	1.54	3.55	6.26	9.34	12.7	16.1	18.4	18.2	15.7	12.4	8.67	5.50	3.41	1.52	0.39	0.03	134	0.00
70	0.05	0.70	2.71	6.11	11.6	23.8	42.8	59.1	67.7	66.8	56.7	39.9	21.4	10.2	5.85	2.70	0.71	0.05	419	233
60	0.07	1.03	3.90	9.44	28.4	60.8	88.0	110	120	119	107	85.0	56.6	24.2	8.54	3.89	1.05	0.07	828	749
50	0.10	1.34	5.02	17.4	52.9	90.4	124	159	178	176	155	121	86.4	46.2	15.0	4.98	1.35	0.09	1235	1180
40	0.12	1.60	6.17	29.0	72.3	116	171	232	269	266	224	165	110	65.4	25.5	5.99	1.59	0.11	1761	1720
30	0.14	1.79	7.46	38.3	85.2	140	221	321	394	386	306	210	130	79.2	34.8	7.06	1.76	0.13	2363	2327
20	0.14	1.88	8.48	43.4	92.2	154	256	393	498	481	368	240	146	88.3	40.3	7.87	1.83	0.13	2820	2787
10	0.15	1.88	8.49	43.3	92.1	153	252	385	491	493	382	251	152	91.0	41.1	7.91	1.83	0.13	2848	2815
0	0.14	1.80	7.48	38.1	85.2	140	221	322	400	398	319	221	140	85.3	36.6	7.17	1.75	0.12	2425	2390
-10	0.13	1.64	6.18	28.7	73.5	120	177	241	282	281	239	177	120	72.7	27.2	6.07	1.58	0.11	1855	1815
-20	0.11	1.39	5.04	17.0	53.8	94.6	132	169	190	190	169	132	94.1	52.4	16.1	4.99	1.32	0.09	1323	1271
-30	0.09	1.09	3.95	9.58	28.2	62.9	94.2	120	133	133	120	93.6	61.5	26.9	9.39	3.87	1.00	0.06	903	825
-40	0.07	0.76	2.78	6.29	11.6	24.0	43.3	62.0	72.5	72.3	61.7	42.3	23.2	11.5	6.23	2.66	0.66	0.04	444	264
-50	0.05	0.45	1.60	3.65	6.40	9.74	13.2	16.8	19.1	19.0	16.6	13.1	9.66	6.31	3.53	1.47	0.34	0.02	141	0.00
-60	0.04	0.23	0.64	1.39	2.47	3.89	5.36	6.38	6.73	6.68	6.29	5.28	3.81	2.38	1.29	0.51	0.11	0.01	53.5	0.00
-70	0.03	0.12	0.18	0.24	0.36	0.53	0.73	0.88	0.95	0.93	0.83	0.66	0.47	0.30	0.16	0.07	0.02	0.00	7.46	0.00
-80	0.03	0.12	0.18	0.24	0.36	0.53	0.73	0.88	0.95	0.93	0.83	0.66	0.47	0.30	0.16	0.07	0.02	0.00	7.46	0.00
-90	0.03	0.12	0.18	0.24	0.36	0.53	0.73	0.88	0.95	0.93	0.83	0.66	0.47	0.30	0.16	0.07	0.02	0.00	7.46	0.00
HORIZONTAL (DEG)																				
Φ t	1.46	18.3	72.3	297	706	1207	1860	2618	3149	3115	2555	1814	1169	670	277	69.4	17.5	1.24	19617	---
Φ a	0.00	0.00	0.00	174	619	1126	1781	2541	3072	3038	2477	1734	1087	580	148	0.00	0.00	0.00	---	18376

one-half-peak spread: U:26.7,D:25.3 , L:25.6,R:27.0

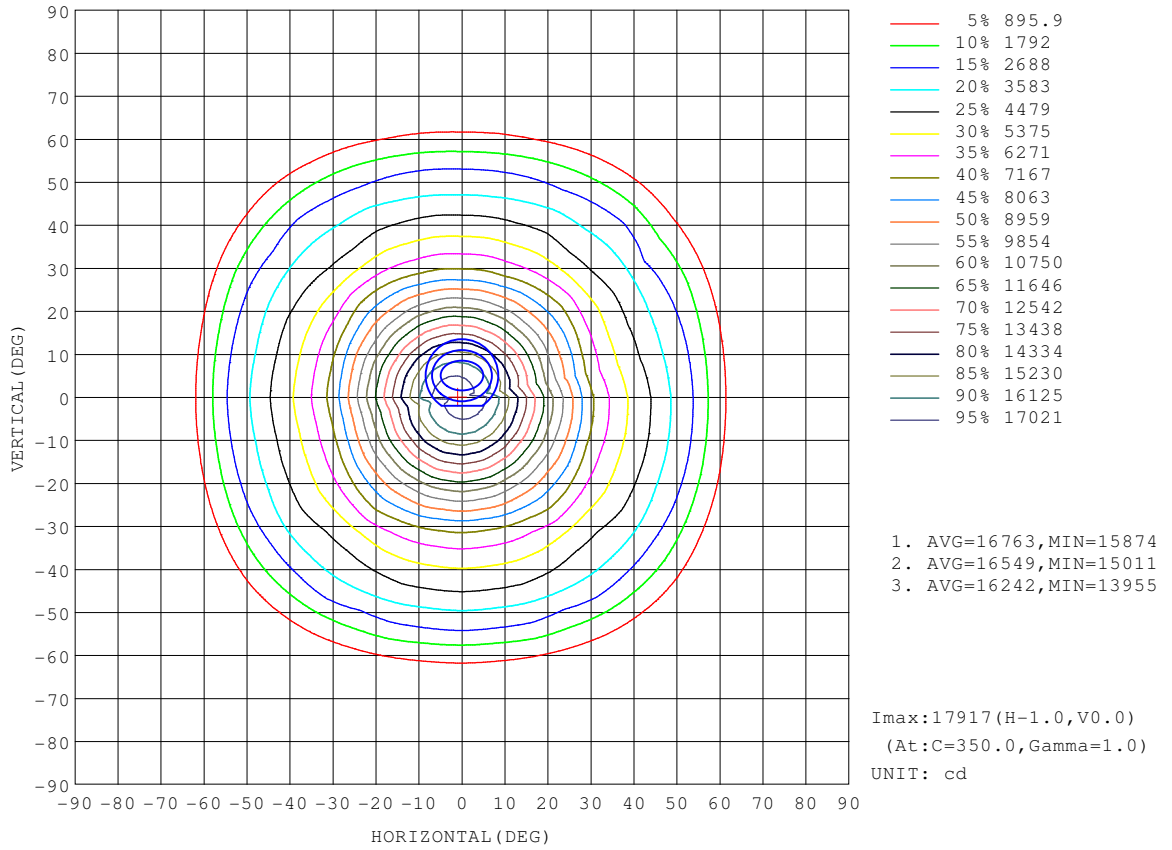
NEMA Beam Type: Type 6

C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature:20DEG
Operators:LITPA
Test Date:11/05/2021

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-150WATT-60°

ISOCANDELA DIAGRAM

Test:U:230.53V I:0.6611A P:149.99W PF:0.9842 Freq:50.01Hz Lamp Flux:19617.2x1 lm		
NAME: KYH-Midi	TYPE:OUTDOOR	WEIGHT:5.2kg
SPEC.:150 WATT	DIM.: 262X430X50	SERIAL No.:
MFR.: LITPA AYDINLATMA	SUR.:	Shielding Angle:

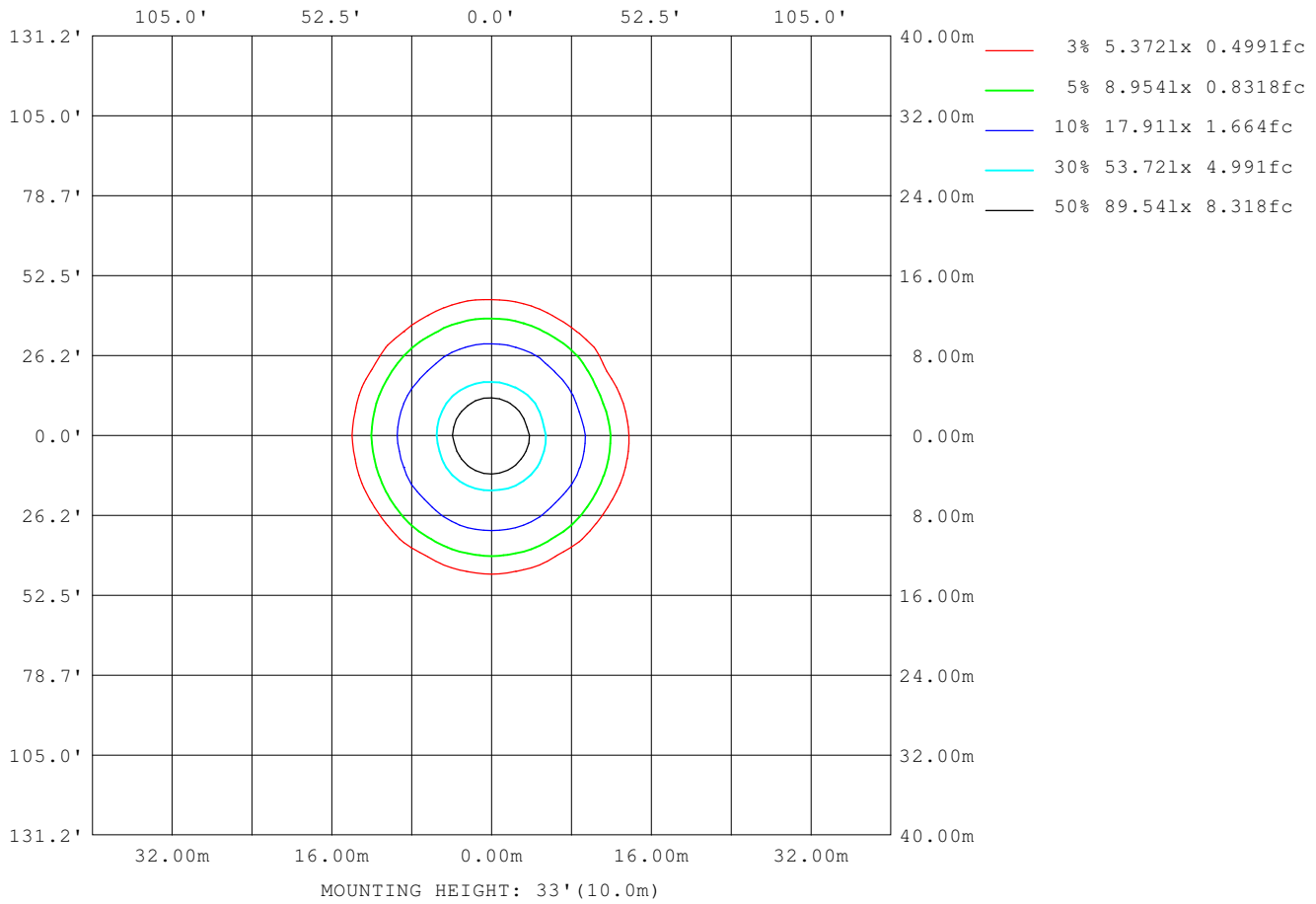


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Humidity: 65.0%
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ISOLUX DIAGRAM

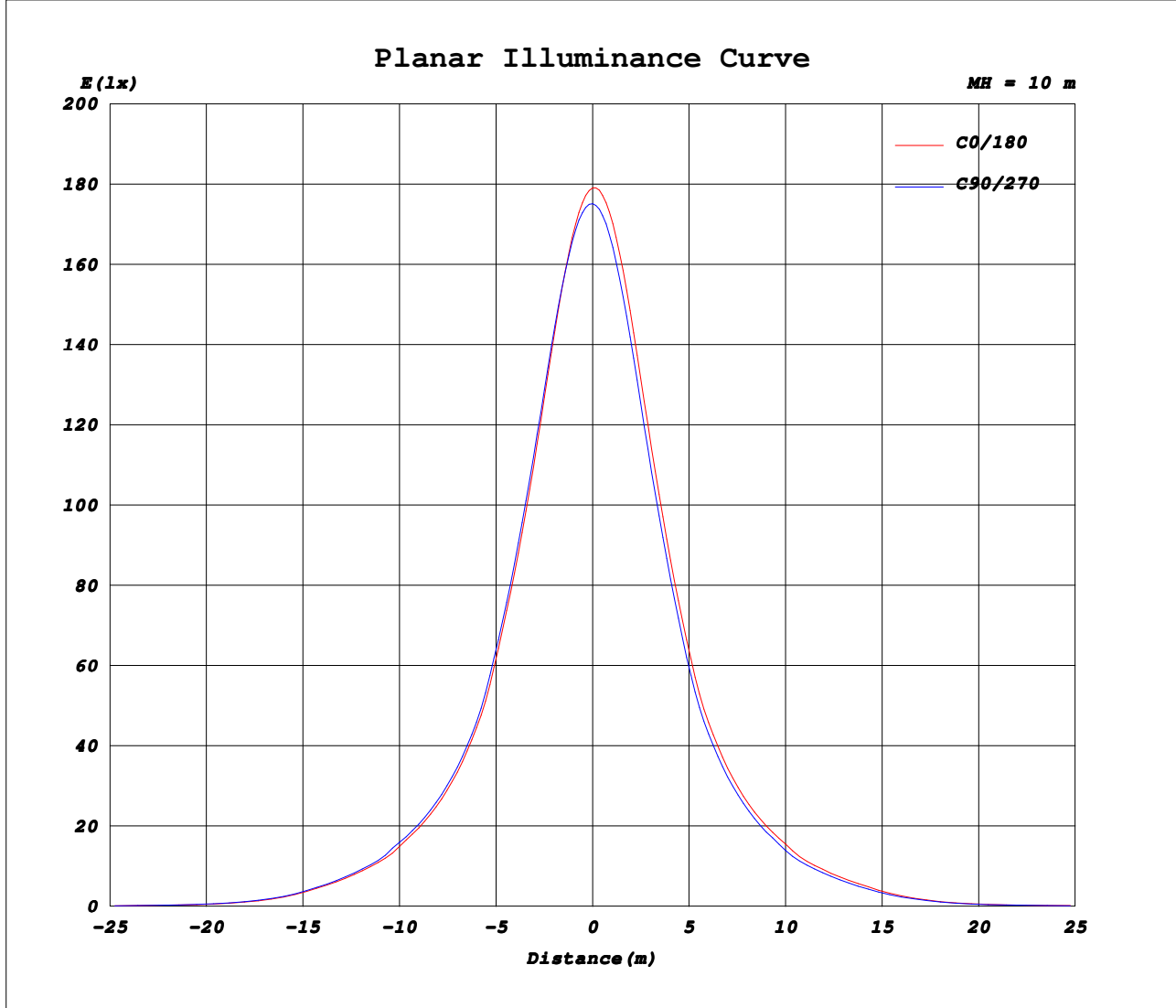
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SPEC.:150 WATT	DIM.: 262X430X50	SERIAL No.:
MFR.: LITPA AYDINLATMA	SUR.:	Shielding Angle:



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C Interval: 10.0DEG
Test Speed: HIGH
Temperature: 20DEG
Operators: LITPA
Test Date: 11/05/2021

γ Range: 0 - 90DEG
γ Interval: 1.0DEG
Test System: EVERFINE GO-2000B_V1 SYSTEM V2.0.400
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Planar Illuminance Curve

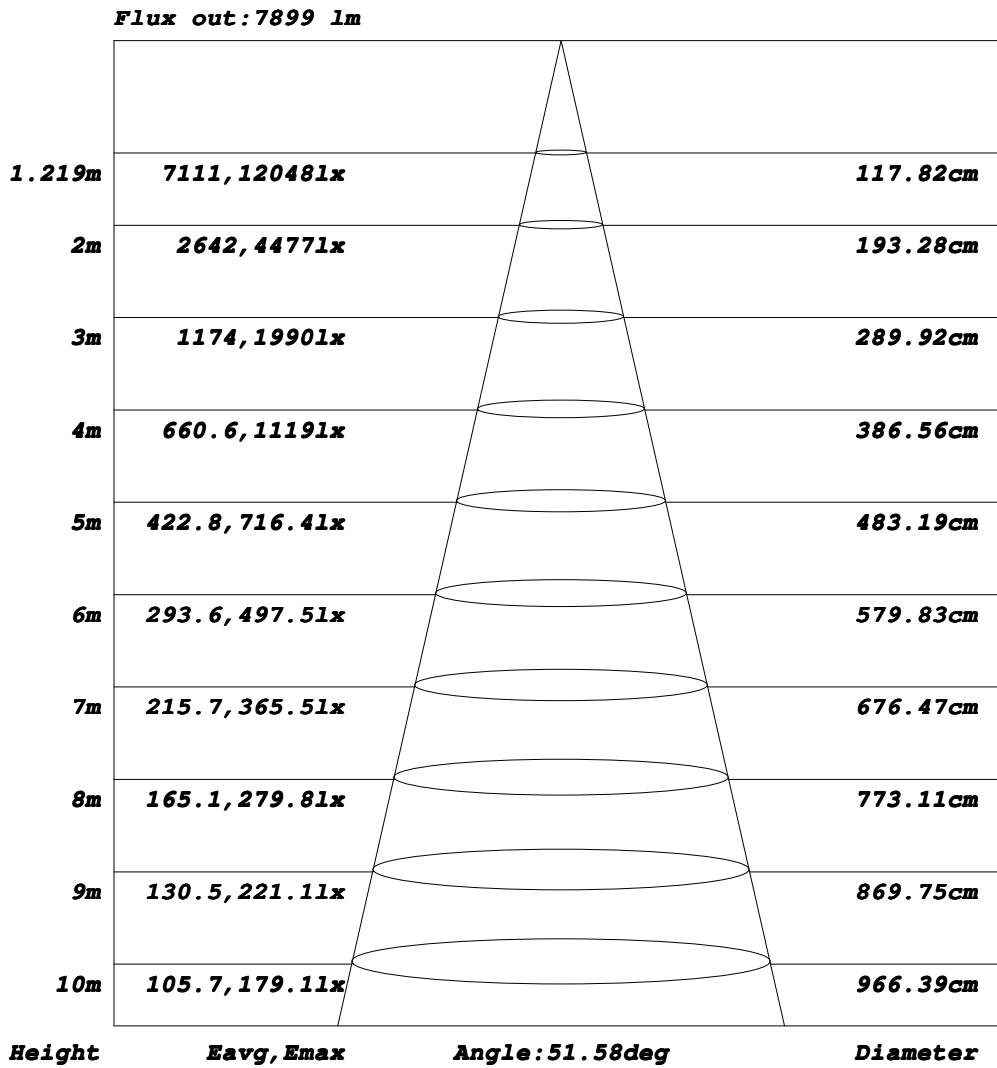


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C Interval: 10.0DEG
Test Speed: HIGH
Temperature: 20DEG
Operators: LITPA
Test Date: 11/05/2021

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]
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AAI Figure

Test:U:230.53V I:0.6611A P:149.99W PF:0.9842 Freq:50.01Hz Lamp Flux:19617.2x1 lm		
NAME: KYH-Midi	TYPE:OUTDOOR	WEIGHT:5.2kg
SPEC.:150 WATT	DIM.: 262X430X50	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: 11/05/2021

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-150WATT-60°

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:230.53V I:0.6611A P:149.99W PF:0.9842 Freq:50.01Hz Lamp Flux:19617.2x1 lm		
NAME: KYH-Midi	TYPE:OUTDOOR	WEIGHT:5.2kg
SPEC.:150 WATT	DIM.: 262X430X50	SERIAL No.:
MFR.: LITPA AYDINLATMA	SUR.:	Shielding Angle:

Table--1

UNIT: μA10cd

H (DEG) V (DEG)	-90	-85	-80	-75	-70	-65	-60	-55	-50	-45	-40	-35	-30	-25	-20	-15	-10	-5	0
-90	0.12	0.75	1.38	1.30	1.22	0.82	0.43	0.33	0.23	0.18	0.13	0.13	0.12	0.11	0.10	0.10	0.10	0.09	0.09
-85	0.12	0.86	1.60	1.57	1.53	1.26	1.05	1.06	1.09	1.23	1.37	1.48	1.60	1.78	1.94	1.99	2.01	2.08	2.11
-80	0.12	0.96	1.69	1.92	2.24	2.43	2.77	3.35	3.98	4.81	5.72	6.56	7.43	8.36	9.25	9.62	9.79	10.0	10.1
-75	0.12	1.02	1.98	2.64	3.58	4.67	6.02	7.65	9.24	11.1	13.1	15.1	17.1	19.1	20.7	21.4	21.5	22.0	22.2
-70	0.12	1.06	2.43	3.77	5.65	8.00	10.7	13.6	16.3	19.5	23.2	26.5	29.4	32.1	34.5	35.6	35.8	35.7	35.1
-65	0.12	1.14	2.98	5.23	8.33	12.0	16.3	20.7	24.9	29.5	34.3	38.9	42.7	46.5	49.9	52.5	54.4	55.9	56.9
-60	0.12	1.32	3.68	6.95	11.3	16.5	22.2	28.2	33.8	39.9	46.3	53.0	60.9	71.5	85.8	101	113	121	125
-55	0.12	1.50	4.47	8.87	14.5	21.1	28.3	35.6	43.3	51.2	63.2	86.2	119	155	188	215	234	246	253
-50	0.12	1.68	5.30	10.9	17.7	25.7	34.2	43.5	53.9	72.0	113	166	217	254	289	320	337	347	353
-45	0.12	1.87	6.12	12.9	20.9	30.0	40.2	51.6	73.2	124	191	256	311	347	382	419	436	446	452
-40	0.12	2.04	7.04	14.9	23.7	34.1	46.1	63.2	114	193	262	329	374	414	456	491	514	528	534
-35	0.12	2.21	7.90	16.6	26.5	37.9	52.0	84.3	169	251	321	380	426	473	529	573	605	624	633
-30	0.12	2.41	8.70	18.1	28.7	41.7	60.0	118	222	299	379	431	482	547	622	676	723	748	761
-25	0.12	2.57	9.40	19.5	30.7	45.5	71.5	156	264	339	420	483	548	638	743	820	892	935	956
-20	0.12	2.69	10.0	20.7	32.5	49.1	86.1	191	294	367	450	523	609	723	848	961	1057	1127	1153
-15	0.12	2.78	10.5	21.5	33.9	52.0	103	218	316	393	474	555	658	801	952	1097	1234	1334	1367
-10	0.12	2.83	10.8	22.2	34.9	54.4	117	240	332	414	494	584	698	861	1043	1227	1399	1522	1567
-5	0.12	2.85	11.0	22.5	35.3	55.9	126	255	343	432	512	609	730	909	1105	1312	1513	1652	1706
0	0.12	2.82	11.0	22.6	35.3	56.6	131	261	349	441	524	628	758	958	1171	1397	1608	1751	1791
5	0.12	2.80	10.9	22.5	35.3	55.8	126	255	343	432	514	614	739	928	1133	1349	1546	1674	1694
10	0.12	2.74	10.7	22.0	34.8	54.2	117	242	331	415	496	590	707	878	1054	1237	1409	1522	1541
15	0.12	2.64	10.3	21.3	33.9	51.7	103	222	316	394	474	557	658	798	950	1094	1224	1310	1328
20	0.12	2.50	9.72	20.3	32.5	48.8	86.2	193	294	368	444	514	598	716	837	940	1035	1097	1108
25	0.12	2.33	9.03	19.0	30.5	45.5	71.8	159	264	335	403	465	529	620	712	791	851	894	898
30	0.12	2.12	8.25	17.4	28.3	41.8	60.4	121	222	293	359	411	458	521	589	644	680	709	710
35	0.12	1.88	7.36	15.8	26.0	37.9	52.0	86.8	171	246	311	364	402	444	500	539	567	587	588
40	0.12	1.67	6.41	14.0	23.2	33.9	45.9	63.1	116	193	262	315	351	387	426	453	474	487	488
45	0.12	1.46	5.40	12.1	20.2	29.7	39.8	50.4	72.2	127	192	246	290	318	351	372	389	397	394
50	0.12	1.24	4.47	10.1	17.2	25.2	33.6	42.2	52.4	73.3	115	166	211	245	273	297	310	317	317
55	0.12	1.02	3.55	8.05	13.9	20.6	27.5	34.5	42.0	50.4	62.6	85.7	120	157	182	206	223	231	232
60	0.12	0.81	2.71	6.09	10.8	16.0	21.5	27.3	33.0	39.1	44.6	50.6	59.5	71.9	84.7	100.0	113	119	119
65	0.12	0.60	1.94	4.30	7.74	11.7	15.8	20.0	24.6	28.9	33.1	37.1	41.1	44.3	47.0	49.4	52.0	52.9	52.8
70	0.12	0.49	1.34	2.81	4.99	7.63	10.5	13.4	16.3	19.4	22.7	25.7	28.6	30.7	32.5	33.5	33.9	33.8	33.1
75	0.12	0.42	0.85	1.66	2.82	4.26	5.89	7.74	9.52	11.3	13.2	15.4	17.5	18.9	19.9	20.8	21.3	21.4	21.2
80	0.12	0.34	0.50	0.88	1.40	1.96	2.58	3.45	4.39	5.19	6.02	7.05	8.14	8.93	9.60	10.1	10.5	10.6	10.5
85	0.12	0.24	0.35	0.44	0.55	0.67	0.84	1.04	1.27	1.45	1.60	1.84	2.09	2.24	2.38	2.60	2.79	2.77	2.71
90	0.12	0.14	0.16	0.17	0.18	0.19	0.19	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.19	0.18	0.17	0.16

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SPEC.:150 WATT	DIM.: 262X430X50	SERIAL No.:
MFR.: LITPA AYDINLATMA	SUR.:	Shielding Angle:

Table--2

UNIT: μA10cd

H (DEG) V (DEG)	5	10	15	20	25	30	35	40	45	50	55	60	65	70	75	80	85	90	
-90	0.09	0.08	0.08	0.08	0.08	0.08	0.08	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	
-85	2.01	1.88	1.81	1.71	1.53	1.34	1.20	1.07	0.91	0.73	0.61	0.52	0.41	0.33	0.26	0.22	0.15	0.07	
-80	9.87	9.53	9.33	8.93	7.99	6.99	6.15	5.34	4.39	3.52	2.80	2.07	1.40	0.87	0.55	0.34	0.22	0.07	
-75	21.9	21.3	21.1	20.4	18.7	16.9	14.8	12.8	10.7	8.72	7.06	5.34	3.65	2.17	1.20	0.57	0.28	0.07	
-70	35.4	35.3	35.2	34.3	31.9	29.2	26.2	22.8	19.0	15.7	12.9	10.0	6.93	4.32	2.29	0.98	0.34	0.07	
-65	55.8	54.2	52.3	49.7	46.2	42.5	38.5	33.9	29.1	24.5	19.9	15.5	11.0	7.02	3.86	1.55	0.41	0.07	
-60	120	111	99.1	83.7	69.8	59.8	52.5	46.0	39.6	33.4	27.7	21.4	15.4	10.1	5.60	2.26	0.54	0.07	
-55	246	233	215	185	150	115	82.9	61.7	50.9	43.0	35.3	27.7	20.1	13.4	7.55	3.20	0.66	0.07	
-50	347	337	321	288	250	211	160	107	69.3	53.4	43.2	33.8	24.9	16.6	9.64	4.11	0.85	0.07	
-45	446	436	420	382	343	307	249	184	116	70.3	51.2	39.8	29.4	19.9	11.7	4.98	1.05	0.07	
-40	528	515	493	461	416	373	325	256	186	107	61.4	45.8	33.8	23.0	13.7	5.94	1.24	0.07	
-35	623	605	573	530	474	426	379	317	245	159	79.1	51.5	37.7	25.8	15.5	6.84	1.44	0.07	
-30	746	720	673	622	550	481	431	375	294	213	110	58.3	41.5	28.4	17.2	7.70	1.65	0.07	
-25	932	886	814	740	639	548	484	420	335	256	145	67.9	45.3	30.4	18.6	8.46	1.83	0.07	
-20	1122	1049	953	843	726	609	525	452	365	288	180	80.6	48.5	32.1	19.8	9.14	1.98	0.07	
-15	1327	1224	1087	945	806	659	558	478	392	312	210	95.1	51.0	33.4	20.8	9.67	2.10	0.07	
-10	1515	1389	1216	1037	867	700	588	498	411	327	229	107	52.8	34.3	21.4	10.0	2.18	0.07	
-5	1656	1511	1307	1102	917	729	607	510	423	335	239	113	54.0	34.7	21.8	10.3	2.24	0.07	
0	1721	1559	1344	1124	927	734	610	511	424	337	243	115	54.3	34.6	21.9	10.3	2.25	0.07	
5	1617	1463	1254	1039	864	688	578	491	412	328	235	112	53.7	34.7	21.9	10.3	2.27	0.07	
10	1480	1346	1171	984	824	657	549	467	389	313	221	105	52.4	34.4	21.5	10.2	2.25	0.07	
15	1281	1179	1044	904	764	619	519	441	364	293	200	93.1	50.4	33.5	20.9	9.84	2.20	0.07	
20	1078	1004	904	802	689	572	486	414	334	266	170	77.7	48.0	32.2	20.0	9.38	2.11	0.07	
25	881	828	763	685	598	508	443	377	301	232	138	65.7	45.0	30.4	18.9	8.75	1.99	0.07	
30	701	665	625	572	505	442	393	336	259	193	105	56.8	41.5	28.4	17.5	8.05	1.83	0.07	
35	582	558	528	488	431	390	351	283	212	143	74.9	50.6	37.7	26.0	15.9	7.23	1.65	0.07	
40	483	468	446	419	377	340	302	238	163	94.0	56.4	45.3	33.9	23.3	14.2	6.38	1.48	0.07	
45	394	383	365	341	307	277	229	172	106	59.8	46.8	39.2	29.6	20.4	12.4	5.48	1.32	0.07	
50	314	305	289	263	232	196	148	99.1	62.0	46.7	40.4	33.4	25.2	17.2	10.3	4.65	1.14	0.07	
55	227	217	197	171	144	108	76.4	55.8	45.3	38.6	33.9	27.3	20.5	14.0	8.24	3.78	0.98	0.07	
60	117	109	94.7	79.5	67.7	56.5	47.9	40.9	34.0	29.8	26.5	21.2	16.0	10.7	6.28	2.90	0.87	0.07	
65	52.7	51.6	49.1	46.5	43.6	39.6	34.6	29.2	24.7	22.4	19.5	15.5	11.5	7.69	4.52	2.22	0.75	0.07	
70	33.9	34.2	33.4	32.0	29.6	26.5	22.5	19.1	17.5	15.8	13.1	10.2	7.42	4.97	2.96	1.69	0.69	0.07	
75	21.4	21.2	20.4	19.1	17.1	14.9	12.7	10.9	10.4	9.14	7.38	5.55	4.07	2.77	1.85	1.31	0.65	0.07	
80	10.5	10.3	9.38	8.32	7.50	6.71	6.12	5.49	4.79	4.00	3.10	2.29	1.81	1.43	1.18	1.08	0.60	0.07	
85	2.56	2.38	2.20	2.00	1.90	1.76	1.55	1.34	1.19	1.03	0.86	0.75	0.71	0.74	0.87	0.98	0.52	0.07	
90	0.16	0.15	0.15	0.15	0.14	0.13	0.13	0.13	0.13	0.13	0.17	0.21	0.31	0.41	0.61	0.80	0.44	0.07	

C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature: 20DEG
Operators: LITPA
Test Date: 11/05/2021

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-150WATT-60°