

## Floodlight Summary:

Report based on lamp delivering 1000 lumens.

Maximum Intensity	2595.3 cd per klm.
(Luminaire orientation as tested.)	0.0 degrees vertical
	0.0 degrees horizontal

Beam Spread	At 10% of Imax	59.1V x 60.0H
	At 50% of Imax	26.7V x 27.9H
	At 90% of Imax	10.2V x 10.9H

Beam Flux	Total	1000.5 lumens per klm.
	To 10% of Imax	713.9 lumens per klm.
	To 50% of Imax	312.5 lumens per klm.
	To 90% of Imax	46.1 lumens per klm.

Upward LOR	0.0 %
Downward LOR	100.0 %

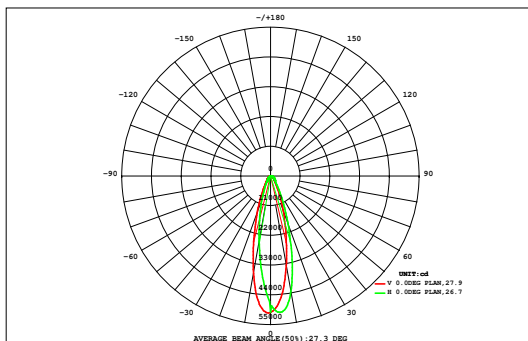
Luminaire Efficiency (Light Output Ratio)	100.0 %
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C Range: 0 - 360DEG  
C Interval: 10.0DEG  
Test Speed: HIGH  
Temperature: 20DEG  
Operators: LITPA  
Test Date: 10/05/2021

$\gamma$  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-175WATT-x1625D 30°

## LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:230.52V I:0.7791A P:175.22W PF:0.9756 Freq:50.00Hz Lamp Flux:19704.8x1 lm		
NAME: KYH-Maxi	TYPE:OUTDOOR	WEIGHT:6.6kg
SPEC.:175 WATT	DIM.: 322X530X50	SERIAL No.:
MFR.: LITPA AYDINLATMA	SUR.:	Shielding Angle:



DATA OF LAMP		Eff:112.46lm/W	
MODEL	KYH-Maxi	Imax(cd)	51139
NOMINAL POWER(W)	175	AVAILABILITY(%)	71.8
RATED VOLTAGE(V)	230.0	Avai. FLUX(lm)	14142
NOMINAL FLUX(lm)	19704.8	LOR(%)	100.0
LAMPS INSIDE	1	TOTAL FLUX(lm)	19705
TEST VOLTAGE(V)	230	θ @50% (H,V)	28,27DEG

VERTICAL (DEG)	AREA FLUX DIAGRAM																UNIT:lm		Φ t	Φ a
	0.00	0.01	0.03	0.06	0.12	0.19	0.28	0.39	0.52	0.67	0.84	1.03	1.24	1.47	1.73	2.01	2.31	2.63	2.97	3.33
90	0.00	0.01	0.03	0.06	0.12	0.19	0.28	0.39	0.52	0.67	0.84	1.03	1.24	1.47	1.73	2.01	2.31	2.63	2.97	3.33
80	0.00	0.05	0.25	0.76	1.62	2.68	3.85	4.89	5.98	6.93	7.74	8.42	8.98	9.43	9.78	10.04	10.21	10.30	10.34	10.34
70	0.01	0.18	1.02	2.80	5.45	8.50	11.6	14.3	16.6	18.4	19.7	20.6	21.1	21.4	21.6	21.7	21.8	21.8	21.8	21.8
60	0.02	0.45	2.28	5.72	10.7	16.5	22.5	27.6	31.9	35.6	38.7	41.2	43.1	44.5	45.5	46.1	46.4	46.5	46.5	46.5
50	0.03	0.80	3.71	9.03	16.8	26.1	35.9	43.9	50.5	55.8	60.0	63.1	65.1	66.1	66.8	67.2	67.4	67.5	67.5	67.5
40	0.05	1.17	5.12	12.5	23.3	37.1	53.2	69.1	83.7	95.8	105.4	112.8	118.1	121.4	123.7	125.1	125.6	125.8	125.8	125.8
30	0.07	1.52	6.40	15.7	30.1	50.5	88.2	143	189	228	261	287	306	319	328	333	335	336	336	336
20	0.09	1.79	7.47	18.5	35.8	67.1	153	324	500	635	729	793	837	869	890	900	906	908	908	908
10	0.10	1.96	8.16	20.3	39.2	80.8	221	572	1070	1665	2259	2853	3447	4041	4635	5229	5823	6417	7011	7605
0	0.10	2.00	8.29	20.5	39.5	81.8	228	621	1255	1989	2723	3457	4191	4925	5659	6393	7127	7861	8595	9329
-10	0.09	1.89	7.85	19.4	37.4	72.6	186	471	873	1275	1677	2079	2481	2883	3285	3687	4089	4491	4893	5295
-20	0.08	1.66	7.04	17.6	33.8	59.2	121	246	365	303	204	110	57.2	33.5	18.9	8.27	2.15	0.14	1589	1148
-30	0.06	1.35	5.97	15.0	28.7	46.2	73.6	114	141	118	92.3	65.1	43.1	28.1	16.0	6.95	1.80	0.11	797	107
-40	0.04	0.99	4.64	11.8	22.2	34.9	48.3	61.7	68.0	62.1	54.4	44.4	32.8	22.0	12.6	5.37	1.36	0.08	488	0.00
-50	0.02	0.62	3.18	8.30	15.6	24.5	33.3	40.7	44.2	41.7	37.7	31.4	23.6	15.7	8.84	3.70	0.89	0.05	334	0.00
-60	0.01	0.30	1.76	4.90	9.45	15.0	20.6	25.4	27.7	26.2	23.4	19.4	14.4	9.31	5.12	2.07	0.47	0.03	206	0.00
-70	0.01	0.10	0.63	1.97	4.12	6.83	9.67	12.2	13.1	11.8	10.2	8.50	6.18	3.86	2.02	0.78	0.17	0.02	92.2	0.00
-80	0.00	0.02	0.10	0.32	0.75	1.37	2.07	2.74	2.82	2.18	1.69	1.40	0.99	0.60	0.31	0.13	0.04	0.01	17.6	0.00
-90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
HORIZONTAL (DEG)																				
Φ t	0.77	16.9	73.9	185	355	632	1313	2795	4726	4382	2678	1270	617	353	198	86.1	22.4	1.45	19705	---
Φ a	0.00	0.00	0.00	0.00	0.00	0.00	724	2321	4269	3919	2203	706	0.00	0.00	0.00	0.00	0.00	0.00	---	14142

one-half-peak spread: U:13.2,D:9.8 , L:14.6,R:13.5

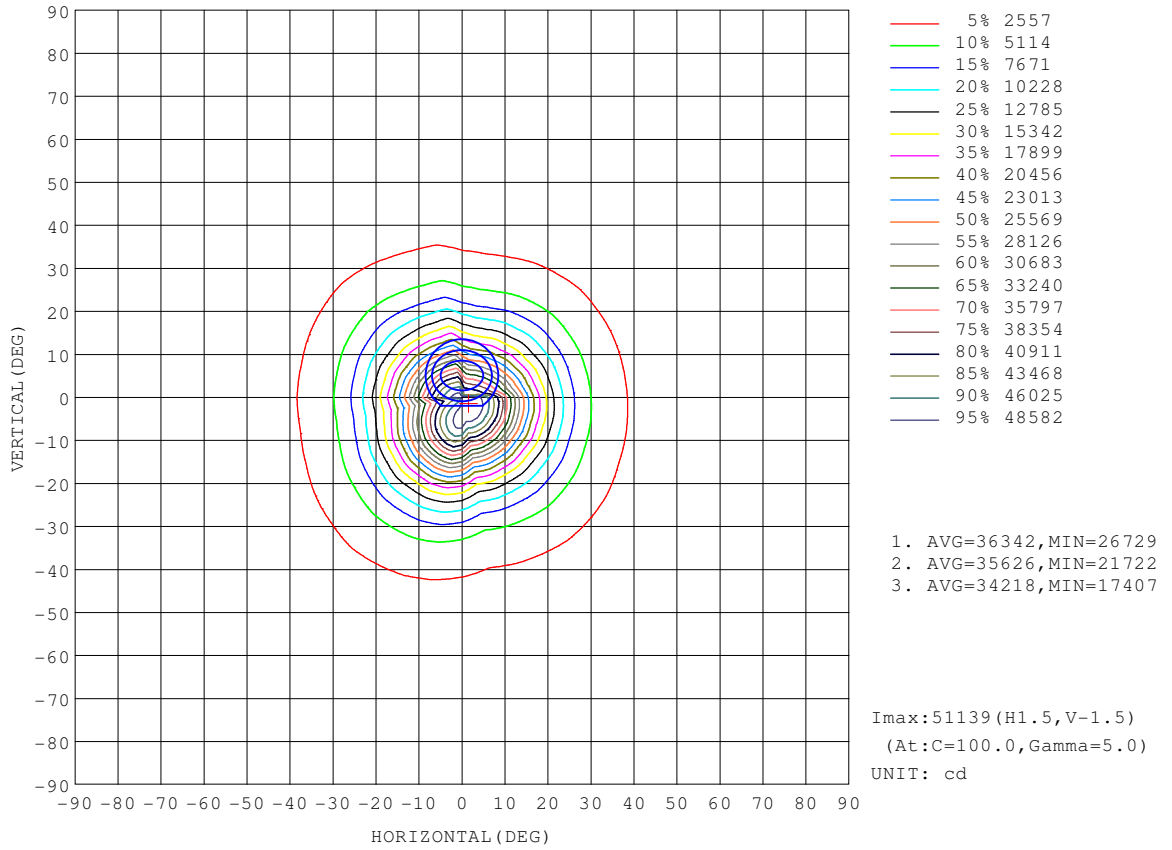
NEMA Beam Type: Type 4

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-175WATT-x1625D 30°

## ISOCANDELA DIAGRAM

Test:U:230.52V I:0.7791A P:175.22W PF:0.9756 Freq:50.00Hz Lamp Flux:19704.8x1 lm		
NAME: KYH-Maxi	TYPE:OUTDOOR	WEIGHT:6.6kg
SPEC.:175 WATT	DIM.: 322X530X50	SERIAL No.:
MFR.: LITPA AYDINLATMA	SUR.:	Shielding Angle:

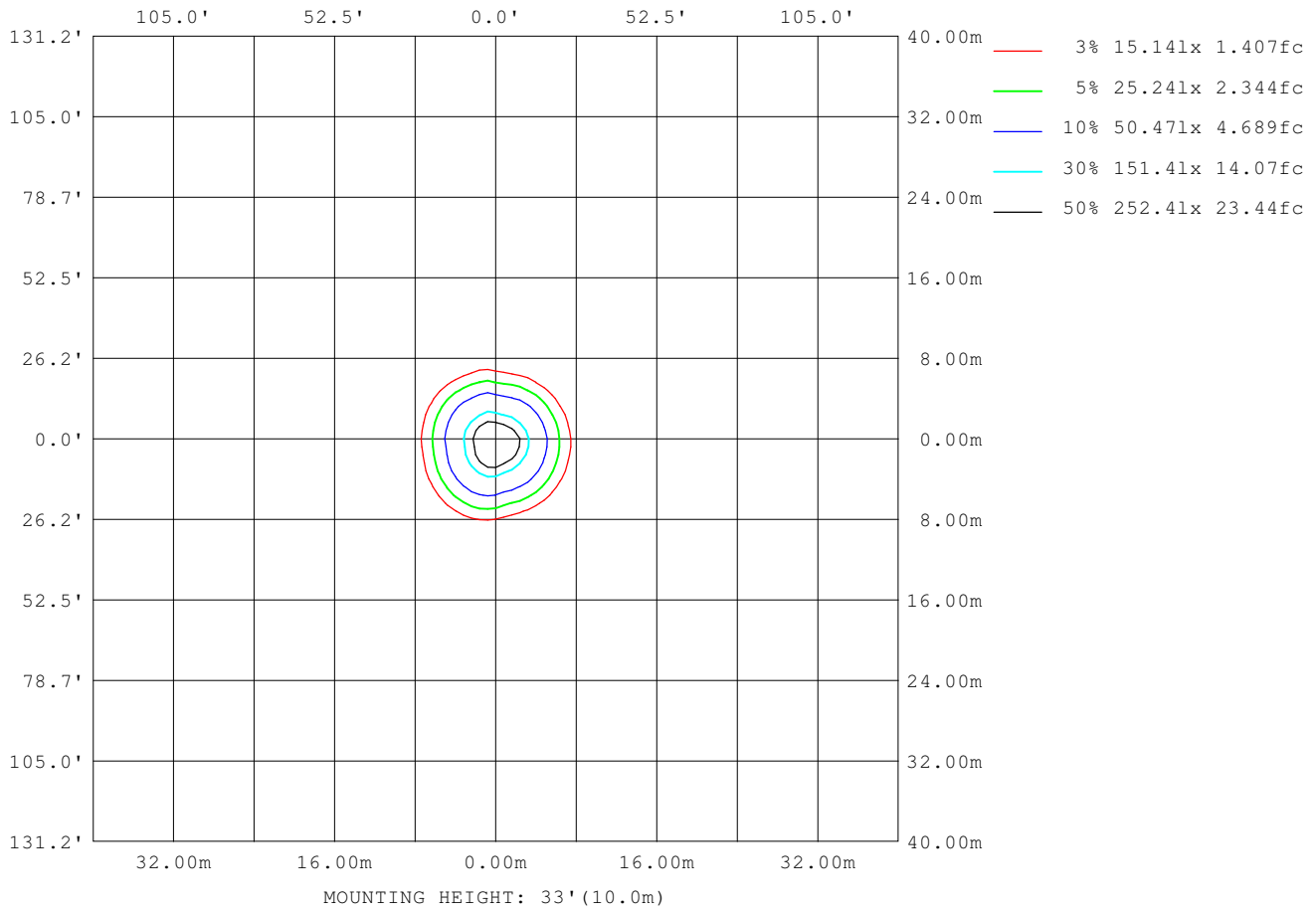


C Range: 0 - 360DEG  
 C Interval: 10.0DEG  
 Test Speed: HIGH  
 Temperature: 20DEG  
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 Test Date: 10/05/2021

γ Range: 0 - 90DEG  
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 Test System: EVERFINE GO-2000B\_V1 SYSTEM V2.0.400  
 Humidity: 65.0%  
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 Remarks: KYH-175WATT-x1625D 30°

## ISOLUX DIAGRAM

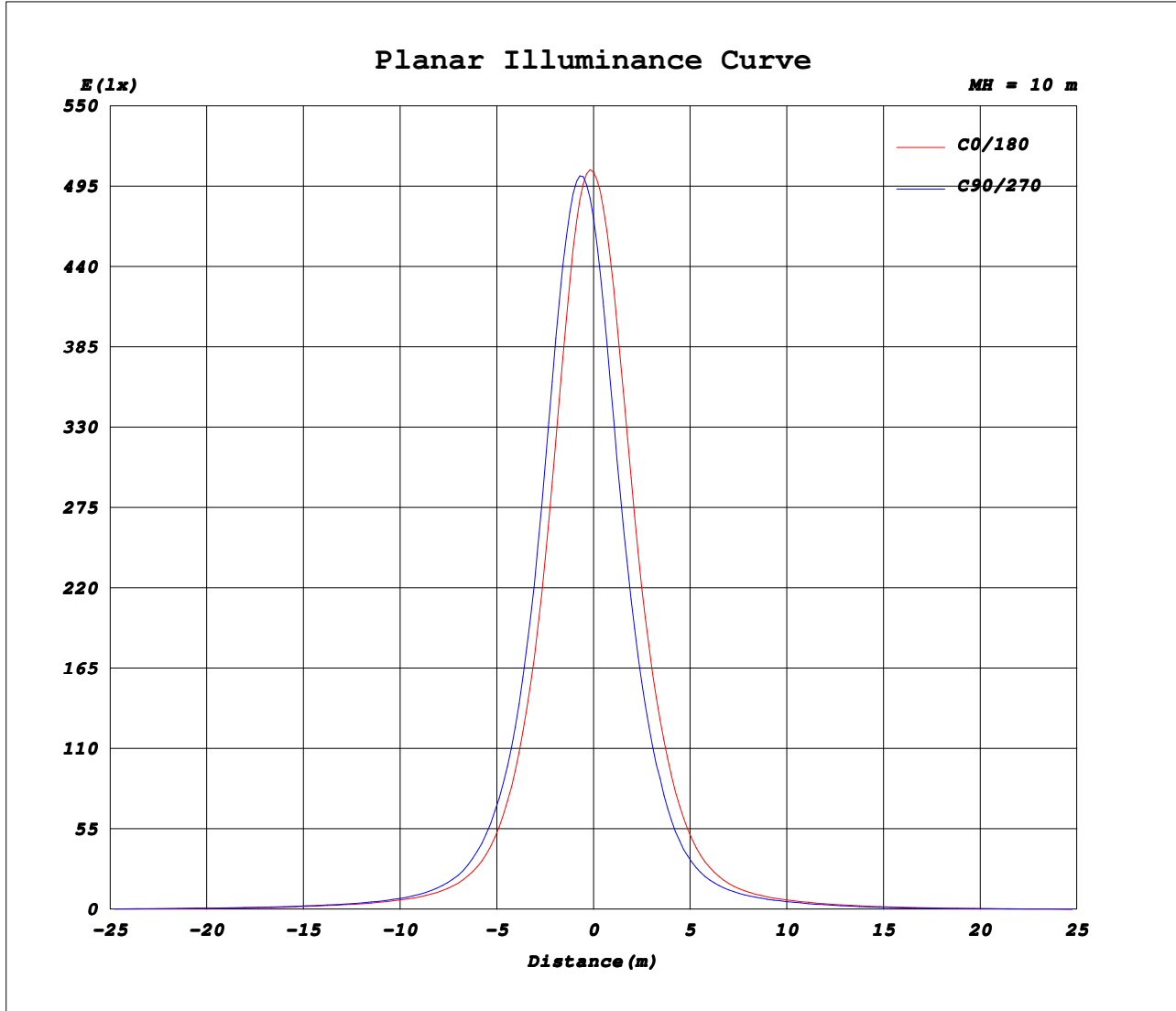
Test:U:230.52V I:0.7791A P:175.22W PF:0.9756 Freq:50.00Hz Lamp Flux:19704.8x1 lm		
NAME: KYH-Maxi	TYPE:OUTDOOR	WEIGHT:6.6kg
SPEC.:175 WATT	DIM.: 322X530X50	SERIAL No.:
MFR.: LITPA AYDINLATMA	SUR.:	Shielding Angle:



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

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## Planar Illuminance Curve

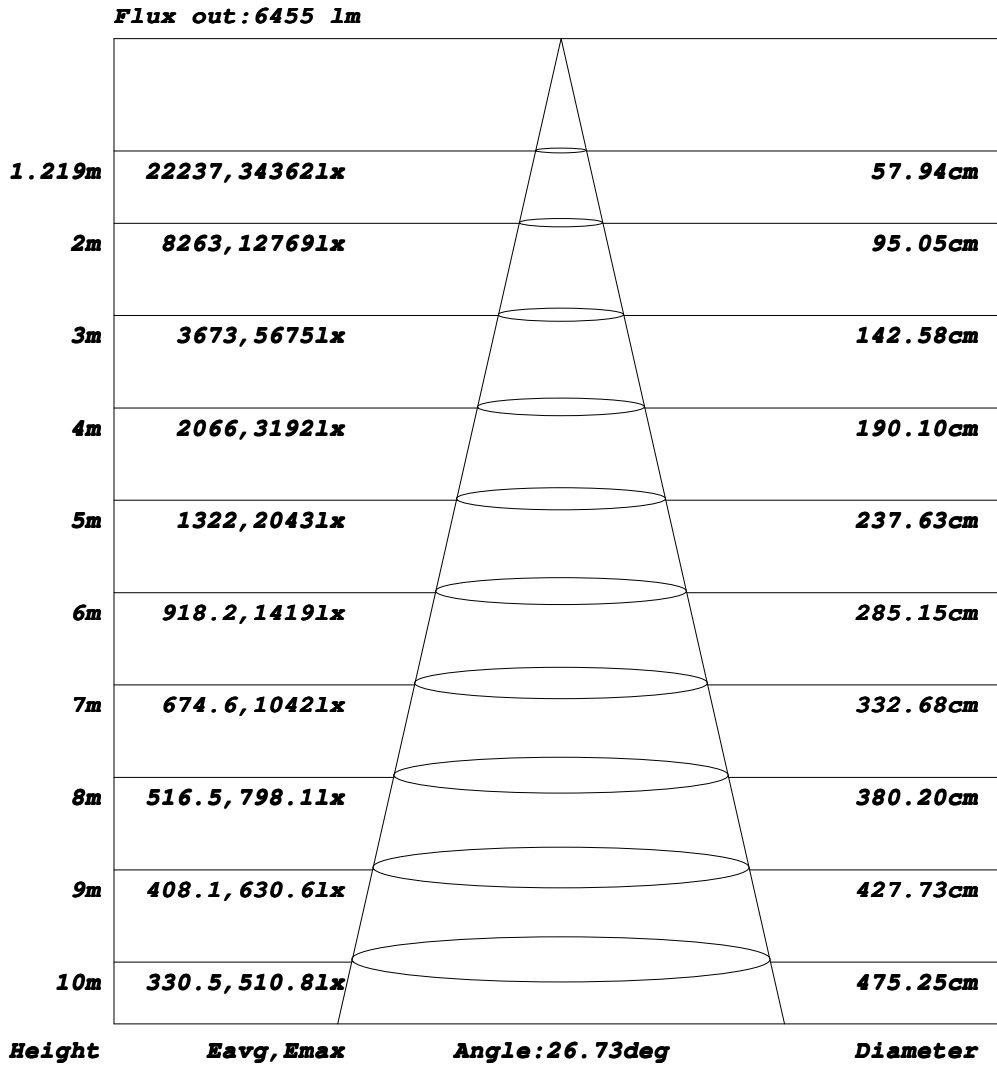


C Range: 0 - 360DEG  
C Interval: 10.0DEG  
Test Speed: HIGH  
Temperature: 20DEG  
Operators: LITPA  
Test Date: 10/05/2021

$\gamma$  Range: 0 - 90DEG  
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Test System: EVERFINE GO-2000B\_V1 SYSTEM V2.0.400  
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## AAI Figure

Test:U:230.52V I:0.7791A P:175.22W PF:0.9756 Freq:50.00Hz Lamp Flux:19704.8x1 lm		
NAME: KYH-Maxi	TYPE:OUTDOOR	WEIGHT:6.6kg
SPEC.:175 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-175WATT-x1625D 30°

## LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:230.52V I:0.7791A P:175.22W PF:0.9756 Freq:50.00Hz Lamp Flux:19704.8x1 lm		
NAME: KYH-Maxi	TYPE:OUTDOOR	WEIGHT:6.6kg
SPEC.:175 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	0.09	0.12	0.15	0.15	0.15	0.19	0.22	0.26	0.31	0.40	0.49	0.60	0.71	0.81	0.91	1.01	1.11	0.89	0.66
-85	0.09	0.12	0.17	0.24	0.36	0.62	0.96	1.38	1.95	2.79	3.69	4.52	5.40	6.40	7.37	8.10	8.77	7.94	7.02
-80	0.09	0.13	0.22	0.51	0.97	1.80	3.10	4.82	6.75	9.08	11.7	13.9	16.1	18.5	20.9	22.6	24.0	23.2	22.1
-75	0.09	0.15	0.39	0.99	2.08	4.38	7.41	10.8	14.4	18.7	23.1	27.0	30.6	34.6	38.3	41.0	43.2	42.7	41.5
-70	0.09	0.18	0.65	1.72	4.30	8.26	13.2	18.6	24.3	30.3	36.6	42.6	48.0	53.4	58.7	62.7	65.8	66.0	65.3
-65	0.09	0.22	0.97	3.05	7.22	12.9	20.1	27.6	35.3	43.5	51.8	60.0	67.6	74.7	81.3	86.6	90.9	91.8	91.2
-60	0.09	0.31	1.33	4.76	10.5	18.2	27.4	37.3	47.1	57.5	68.5	79.1	88.3	97.1	105	111	116	118	117
-55	0.09	0.39	1.97	6.72	14.2	23.8	35.0	46.8	59.4	72.0	85.3	98.3	110	121	130	139	145	146	144
-50	0.09	0.49	2.74	8.83	18.1	29.4	42.4	56.9	72.0	87.0	102	118	133	145	157	168	175	176	173
-45	0.09	0.61	3.58	11.0	21.9	35.0	49.8	66.7	85.0	102	121	140	157	173	191	207	217	220	214
-40	0.09	0.72	4.52	13.2	25.5	40.1	56.9	76.2	96.9	118	140	162	184	210	239	269	291	300	288
-35	0.09	0.82	5.41	15.3	28.8	45.0	63.8	84.8	108	133	157	183	216	262	316	375	429	451	426
-30	0.09	0.92	6.27	17.3	31.9	49.3	69.9	93.0	118	146	174	206	254	332	435	554	673	739	698
-25	0.09	1.01	7.02	19.1	34.5	52.9	75.0	100	127	157	188	231	303	422	610	821	1042	1192	1164
-20	0.09	1.07	7.72	20.6	36.9	56.2	79.0	105	135	165	201	257	361	535	814	1179	1562	1924	1920
-15	0.09	1.13	8.26	21.8	38.9	59.3	82.8	109	140	172	212	279	412	653	1036	1576	2275	2978	3063
-10	0.09	1.16	8.63	22.6	40.3	61.5	86.0	113	145	176	220	298	451	733	1222	1941	2941	3994	4359
-5	0.09	1.18	8.83	23.1	41.1	62.8	87.8	116	148	181	228	313	478	782	1291	2047	3166	4351	5040
0	0.09	1.18	8.86	23.2	41.2	63.1	88.3	117	149	183	231	323	501	839	1395	2222	3372	4508	5047
5	0.09	1.16	8.67	22.7	40.4	61.8	86.5	114	147	180	226	310	473	772	1249	1936	2814	3675	3649
10	0.09	1.13	8.33	21.9	39.0	59.5	83.4	110	141	173	216	288	427	672	1036	1492	2056	2533	2457
15	0.09	1.08	7.82	20.7	37.0	56.3	79.0	104	134	165	202	261	364	535	793	1089	1384	1648	1555
20	0.09	1.02	7.17	19.1	34.4	52.5	73.6	97.2	124	154	185	229	300	412	566	733	890	1040	942
25	0.09	0.94	6.38	17.4	31.6	48.2	67.7	89.0	113	139	166	199	247	311	389	470	548	624	552
30	0.09	0.84	5.57	15.4	28.4	43.7	61.2	80.3	100	123	146	172	202	238	277	314	351	388	347
35	0.09	0.74	4.67	13.3	25.0	38.8	54.1	70.7	88.1	107	128	148	169	191	210	230	248	260	242
40	0.09	0.63	3.78	11.2	21.4	33.5	46.8	60.9	76.0	92.0	109	126	141	157	170	181	190	194	186
45	0.09	0.52	2.87	8.96	17.6	28.1	39.3	51.0	63.8	77.4	91.5	104	117	130	141	149	155	157	151
50	0.09	0.40	2.13	6.78	13.9	22.7	31.8	41.5	51.9	63.0	74.0	84.2	94.3	104	113	121	126	126	121
55	0.09	0.30	1.49	4.84	10.3	17.1	24.5	32.2	40.7	49.5	57.8	65.8	73.8	81.2	88.1	93.9	98.6	97.9	93.5
60	0.09	0.24	1.01	3.15	6.94	12.0	17.5	23.5	30.1	36.6	42.7	48.5	54.7	60.0	64.9	69.2	72.7	71.6	67.9
65	0.09	0.18	0.70	1.84	4.21	7.44	11.3	15.6	20.4	25.0	29.3	33.7	38.0	41.7	45.0	48.0	50.6	49.2	46.1
70	0.09	0.14	0.41	1.01	2.16	3.93	6.10	8.92	12.1	14.9	17.7	20.8	23.8	26.3	28.4	30.5	32.3	30.8	28.4
75	0.09	0.11	0.22	0.53	0.97	1.64	2.57	3.87	5.40	6.94	8.44	10.1	11.9	13.4	14.6	16.0	17.2	15.8	13.8
80	0.09	0.09	0.14	0.21	0.38	0.59	0.79	1.14	1.57	1.97	2.45	3.02	3.63	4.19	4.75	5.36	5.88	4.90	3.72
85	0.09	0.09	0.09	0.10	0.12	0.14	0.16	0.20	0.27	0.31	0.35	0.40	0.46	0.51	0.56	0.64	0.70	0.50	0.29
90	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.10	0.10	0.10	0.10	0.10	0.10	0.11	0.11	0.11	0.12

**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**  
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SPEC.:175 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	0.44	0.21	0.22	0.23	0.25	0.26	0.25	0.25	0.24	0.23	0.20	0.18	0.18	0.17	0.17	0.16	0.16	0.15	
-85	5.69	4.32	4.28	4.18	3.79	3.37	2.93	2.53	2.09	1.67	1.35	1.11	0.85	0.66	0.49	0.34	0.23	0.15	
-80	19.6	17.0	16.6	15.9	14.5	13.0	11.4	9.71	7.88	6.24	4.87	3.59	2.45	1.53	0.98	0.62	0.30	0.15	
-75	38.5	35.2	34.2	32.8	30.4	27.6	24.4	21.0	17.4	14.1	11.1	8.31	5.58	3.38	1.83	0.95	0.42	0.15	
-70	61.0	56.7	55.3	52.9	49.0	44.9	40.0	34.6	29.3	24.1	19.4	14.6	10.1	6.19	3.30	1.42	0.56	0.15	
-65	86.4	81.5	79.5	75.9	70.3	64.3	57.5	50.3	42.9	35.7	28.9	22.2	15.4	9.79	5.29	2.10	0.71	0.15	
-60	112	107	104	99.1	92.1	84.5	76.3	67.3	57.5	48.3	39.3	30.3	21.7	13.8	7.64	3.02	0.85	0.15	
-55	138	132	128	122	114	105	94.8	84.2	72.9	61.6	50.3	38.7	28.0	18.3	10.2	4.16	0.99	0.15	
-50	165	158	154	147	137	125	113	101	87.8	74.9	61.1	47.1	34.3	23.0	12.9	5.35	1.17	0.15	
-45	200	190	183	173	160	145	131	117	102	87.3	71.6	55.6	40.8	27.4	15.7	6.53	1.36	0.15	
-40	260	243	227	208	189	169	150	133	116	98.8	81.7	63.7	46.7	31.8	18.4	7.78	1.53	0.15	
-35	365	338	304	267	232	198	171	150	130	110	91.1	71.3	52.6	35.9	20.9	8.95	1.73	0.15	
-30	563	517	440	366	295	237	195	167	143	121	99.7	78.6	58.1	39.6	23.2	10.0	1.99	0.15	
-25	936	830	674	525	384	288	224	183	154	131	107	85.0	63.0	42.6	25.1	11.0	2.21	0.15	
-20	1533	1296	1014	731	503	350	255	198	164	138	114	90.2	66.9	45.1	26.7	11.8	2.38	0.15	
-15	2483	1987	1427	984	643	412	283	213	172	144	119	94.3	69.6	47.0	27.9	12.4	2.51	0.15	
-10	3696	2832	1932	1242	760	468	311	226	179	148	122	96.6	71.3	48.2	28.7	12.8	2.60	0.15	
-5	4637	3542	2311	1438	860	510	328	233	182	150	124	97.6	72.1	48.7	29.0	13.0	2.65	0.15	
0	4765	3659	2392	1470	868	512	328	233	182	150	123	97.4	71.9	48.6	29.0	13.0	2.65	0.15	
5	3233	2656	1923	1265	777	474	312	226	178	148	121	95.8	70.7	47.9	28.6	12.8	2.62	0.15	
10	2195	1871	1420	1001	646	415	284	213	171	144	118	92.8	68.6	46.6	27.8	12.4	2.54	0.15	
15	1393	1243	1002	731	495	345	252	197	163	137	112	88.6	65.6	44.6	26.6	11.9	2.42	0.15	
20	854	783	651	508	376	280	218	179	152	128	105	82.9	61.7	42.1	25.1	11.2	2.27	0.15	
25	510	476	422	349	284	229	190	162	139	118	96.8	76.2	56.8	39.0	23.2	10.3	2.08	0.15	
30	325	309	287	253	219	189	165	144	124	105	87.5	68.8	51.2	35.6	21.0	9.23	1.85	0.15	
35	232	223	212	196	177	159	143	126	109	92.4	76.7	60.8	45.5	31.5	18.7	8.06	1.59	0.15	
40	180	176	170	160	147	134	121	107	92.6	79.4	65.9	52.3	39.3	27.2	16.1	6.87	1.40	0.15	
45	147	143	138	130	121	111	100	89.4	78.1	66.3	55.2	44.0	33.1	22.8	13.4	5.64	1.24	0.15	
50	117	113	109	103	96.2	88.7	80.6	72.6	63.6	54.1	44.7	35.7	26.9	18.4	10.7	4.50	1.08	0.15	
55	90.4	86.5	82.6	78.8	74.5	68.8	62.3	56.4	49.4	42.2	34.8	27.8	20.9	14.1	8.13	3.40	0.92	0.15	
60	65.4	62.4	60.0	57.4	54.4	50.6	45.9	41.2	36.5	31.1	25.5	20.2	15.0	10.1	5.77	2.38	0.79	0.15	
65	44.2	41.9	40.5	38.8	36.9	34.3	31.1	27.8	24.5	21.0	17.0	13.2	9.84	6.59	3.75	1.62	0.66	0.15	
70	27.0	25.3	24.3	23.1	22.0	20.4	18.3	16.2	14.3	12.1	9.73	7.44	5.59	3.74	2.13	1.14	0.52	0.15	
75	12.8	11.5	11.0	10.4	9.92	9.19	8.25	7.19	6.36	5.36	4.32	3.31	2.55	1.71	1.18	0.81	0.38	0.15	
80	3.23	2.68	2.61	2.47	2.41	2.32	2.10	1.87	1.72	1.54	1.31	1.06	0.98	0.84	0.69	0.53	0.26	0.15	
85	0.24	0.19	0.19	0.20	0.24	0.25	0.26	0.26	0.30	0.29	0.30	0.31	0.32	0.32	0.32	0.27	0.22	0.15	
90	0.12	0.12	0.13	0.13	0.13	0.13	0.13	0.14	0.14	0.14	0.15	0.15	0.15	0.15	0.18	0.21	0.18	0.15	

**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-175WATT-x1625D 30°**