

## Floodlight Summary:

Report based on lamp delivering 1000 lumens.

Maximum Intensity	2721.0 cd per klm.
(Luminaire orientation as tested.)	0.0 degrees vertical
	0.0 degrees horizontal

Beam Spread	At 10% of Imax	57.0V x 59.6H
	At 50% of Imax	24.8V x 26.4H
	At 90% of Imax	8.6V x 9.7H

Beam Flux	Total	1000.5 lumens per klm.
	To 10% of Imax	697.2 lumens per klm.
	To 50% of Imax	297.2 lumens per klm.
	To 90% of Imax	49.4 lumens per klm.

Upward LOR	0.0 %
Downward LOR	100.0 %

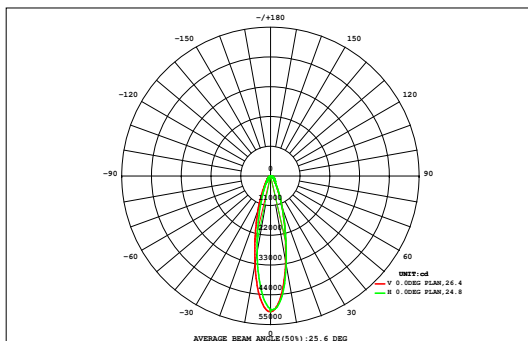
Luminaire Efficiency (Light Output Ratio)	100.0 %
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C Range: 0 - 360DEG  
C Interval: 10.0DEG  
Test Speed: HIGH  
Temperature: 20DEG  
Operators: LITPA  
Test Date: 11/05/2021

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-X1625D 30°

## LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:230.44V I:0.6607A P:149.90W PF:0.9846 Freq:50.01Hz Lamp Flux:18461.2x1 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:123.16lm/W	
MODEL	KYH-Midi	Imax(cd)	50233
NOMINAL POWER(W)	150	AVAILABILITY(%)	69.5
RATED VOLTAGE(V)	230.0	Avai. FLUX(lm)	12839
NOMINAL FLUX(lm)	18461.2	LOR(%)	100.0
LAMPS INSIDE	1	TOTAL FLUX(lm)	18461
TEST VOLTAGE(V)	230	θ @50% (H,V)	26,25DEG

		AREA FLUX DIAGRAM																UNIT:lm		Φ t	Φ a
		0.01	0.03	0.10	0.22	0.42	0.65	0.89	1.08	1.15	1.01	0.76	0.55	0.38	0.24	0.13	0.06	0.02	0.01	7.68	0.00
VERTICAL (DEG)	90	0.01	0.13	0.56	1.49	2.85	4.44	6.04	7.31	7.89	7.46	6.29	4.92	3.51	2.22	1.14	0.41	0.10	0.01	56.8	0.00
	80	0.02	0.35	1.62	4.01	7.33	11.1	14.9	17.8	19.2	18.6	16.3	13.2	9.74	6.41	3.49	1.37	0.28	0.02	146	0.00
	70	0.04	0.70	3.06	7.20	12.9	19.3	25.7	30.6	33.0	32.2	28.8	23.8	17.7	11.8	6.60	2.77	0.53	0.04	257	0.00
	60	0.06	1.11	4.63	10.7	19.0	28.5	37.9	45.2	48.9	47.8	43.2	36.1	27.0	17.9	10.1	4.26	0.84	0.06	383	0.00
	50	0.09	1.52	6.13	14.3	25.3	38.7	55.0	72.4	83.4	79.8	67.1	52.3	37.5	24.4	13.7	5.63	1.19	0.08	578	0.00
	40	0.11	1.88	7.42	17.3	31.1	50.9	88.4	148	197	182	133	84.0	50.4	30.9	16.9	6.92	1.61	0.11	1049	429
	30	0.13	2.14	8.40	19.5	35.6	65.7	147	325	532	477	292	144	66.5	36.1	19.5	8.17	2.02	0.13	2181	1804
	20	0.14	2.29	8.96	20.8	38.3	77.4	207	563	1117	1023	538	216	82.1	40.1	21.4	9.07	2.32	0.15	3968	3637
	10	0.14	2.29	8.98	20.9	38.3	77.8	211	585	1193	1168	603	234	86.6	41.4	21.9	9.29	2.40	0.15	4303	3974
	0	0.13	2.16	8.47	19.7	35.8	67.9	162	380	642	591	360	169	73.4	38.7	20.8	8.82	2.27	0.14	2583	2224
-30	-10	0.11	1.91	7.55	17.7	32.2	54.7	102	184	250	234	172	102	57.2	33.9	18.3	7.84	2.01	0.12	1278	771
	-20	0.09	1.56	6.29	14.9	27.1	42.4	63.4	88.1	102	98.4	83.5	62.8	43.1	27.6	15.1	6.44	1.64	0.10	685	0.00
	-30	0.06	1.14	4.78	11.5	20.8	31.8	43.3	52.8	57.1	56.1	51.5	42.6	31.4	20.5	11.4	4.81	1.19	0.07	443	0.00
	-40	0.04	0.72	3.20	7.89	14.3	22.1	29.6	35.7	38.2	37.6	34.4	28.3	21.1	13.7	7.61	3.14	0.74	0.04	298	0.00
	-50	0.02	0.36	1.71	4.42	8.22	12.8	17.4	21.0	22.3	21.7	19.6	15.9	11.7	7.53	4.09	1.61	0.36	0.02	171	0.00
-70	-60	0.01	0.13	0.60	1.63	3.20	5.12	7.05	8.52	8.87	8.40	7.44	5.94	4.27	2.66	1.36	0.51	0.12	0.01	65.8	0.00
	-80	0.01	0.03	0.10	0.24	0.45	0.72	0.98	1.15	1.10	0.95	0.80	0.62	0.44	0.28	0.15	0.06	0.02	0.00	8.10	0.00
-90	-90	-80	-70	-60	-50	-40	-30	-20	HORIZONTAL (DEG)				20	30	40	50	60	70	80	90	
Φ t	1.21	20.5	82.6	195	353	612	1218	2568	4355	4086	2458	1235	624	356	194	81.2	19.7	1.26	18461	---	
Φ a	0.00	0.00	0.00	0.00	0.00	0.00	609	2084	3889	3616	1976	665	0.00	0.00	0.00	0.00	0.00	0.00	---	12839	

one-half-peak spread: U:13.4,D:11.7 , L:13.0,R:13.6

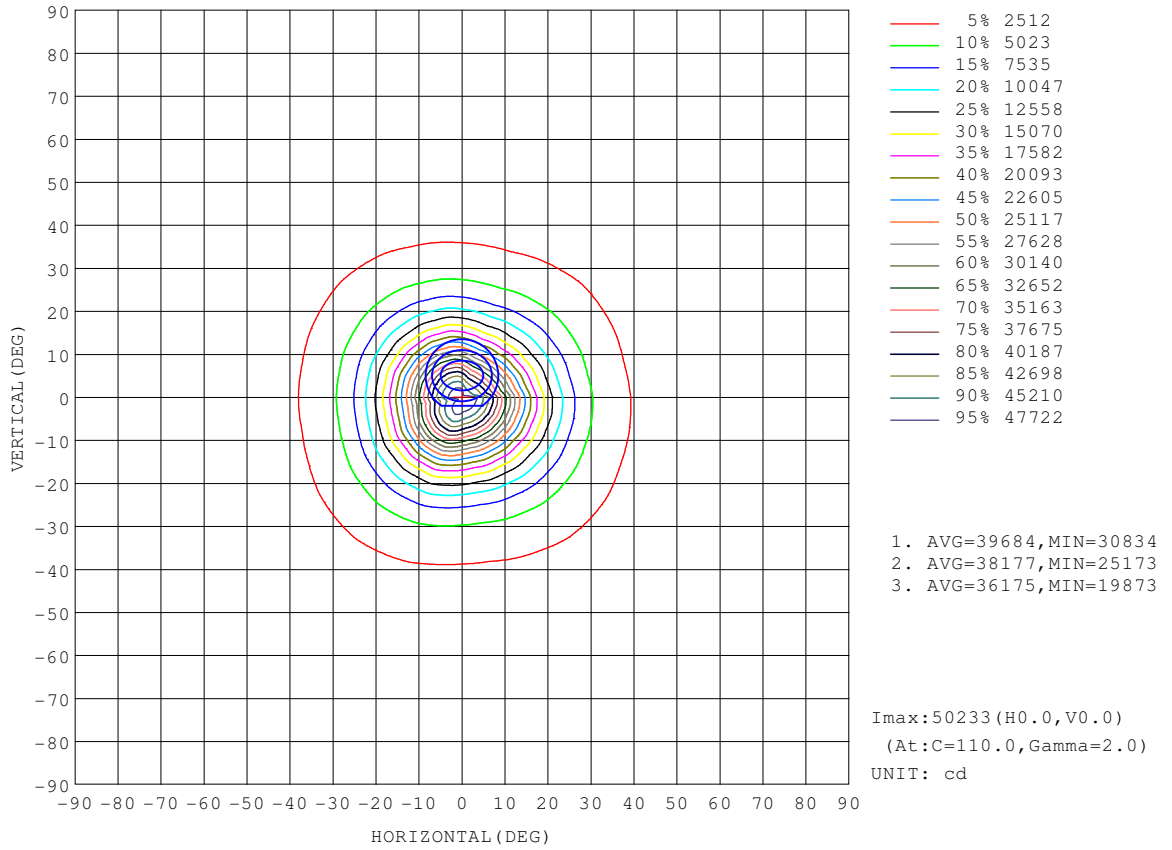
NEMA Beam Type: Type 4

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-X1625D 30°

## ISOCANDELA DIAGRAM

Test:U:230.44V I:0.6607A P:149.90W PF:0.9846 Freq:50.01Hz Lamp Flux:18461.2x1 lm		
NAME: KYH-Midi	TYPE:OUTDOOR	WEIGHT:5.2kg
SPEC.:150 WATT	DIM.: 262X430X50	SERIAL No.:
MFR.: LITPA AYDINLATMA	SUR.:	Shielding Angle:

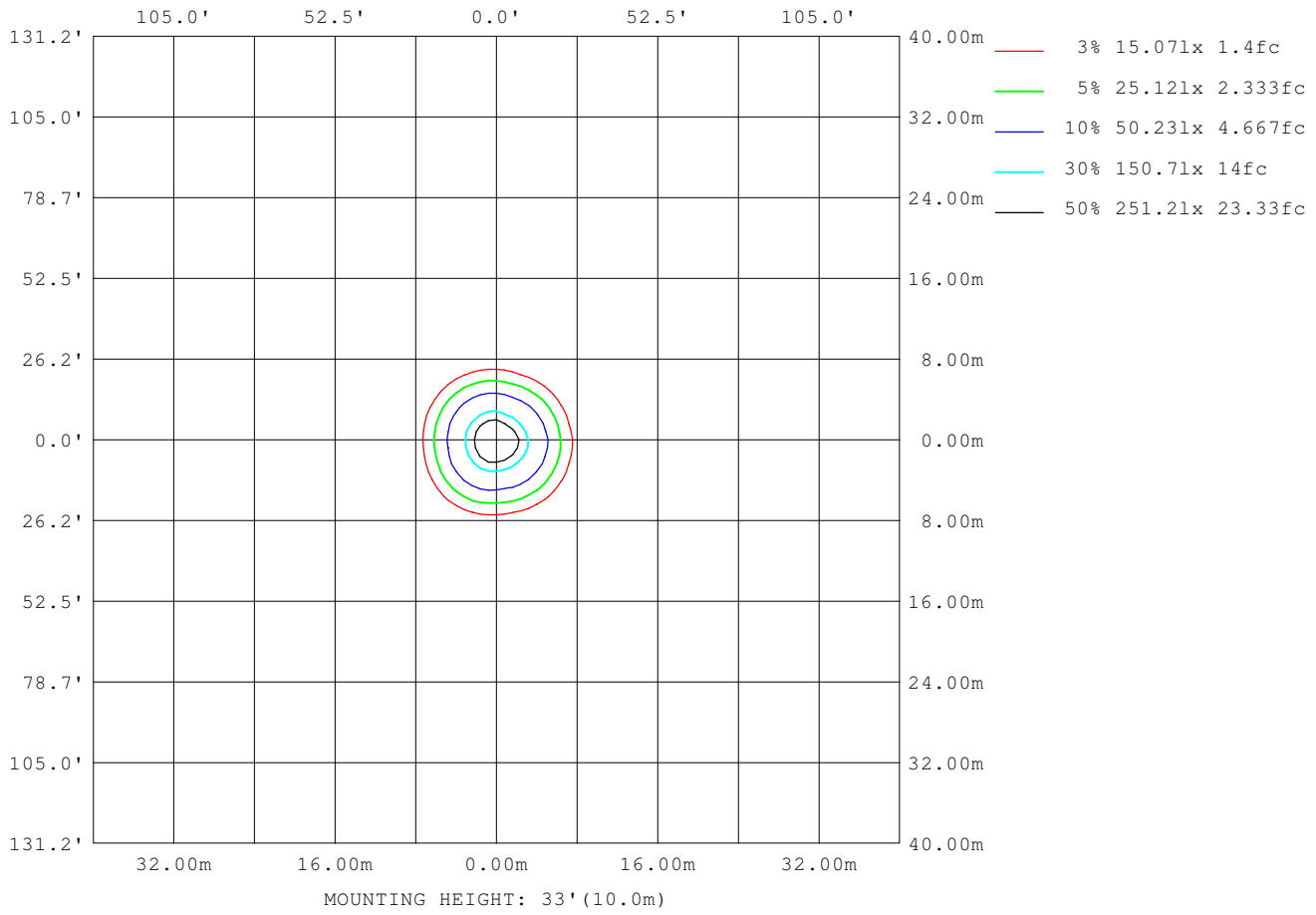


C Range: 0 - 360DEG  
 C Interval: 10.0DEG  
 Test Speed: HIGH  
 Temperature: 20DEG  
 Operators: LITPA  
 Test Date: 11/05/2021

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-X1625D 30°

## ISOLUX DIAGRAM

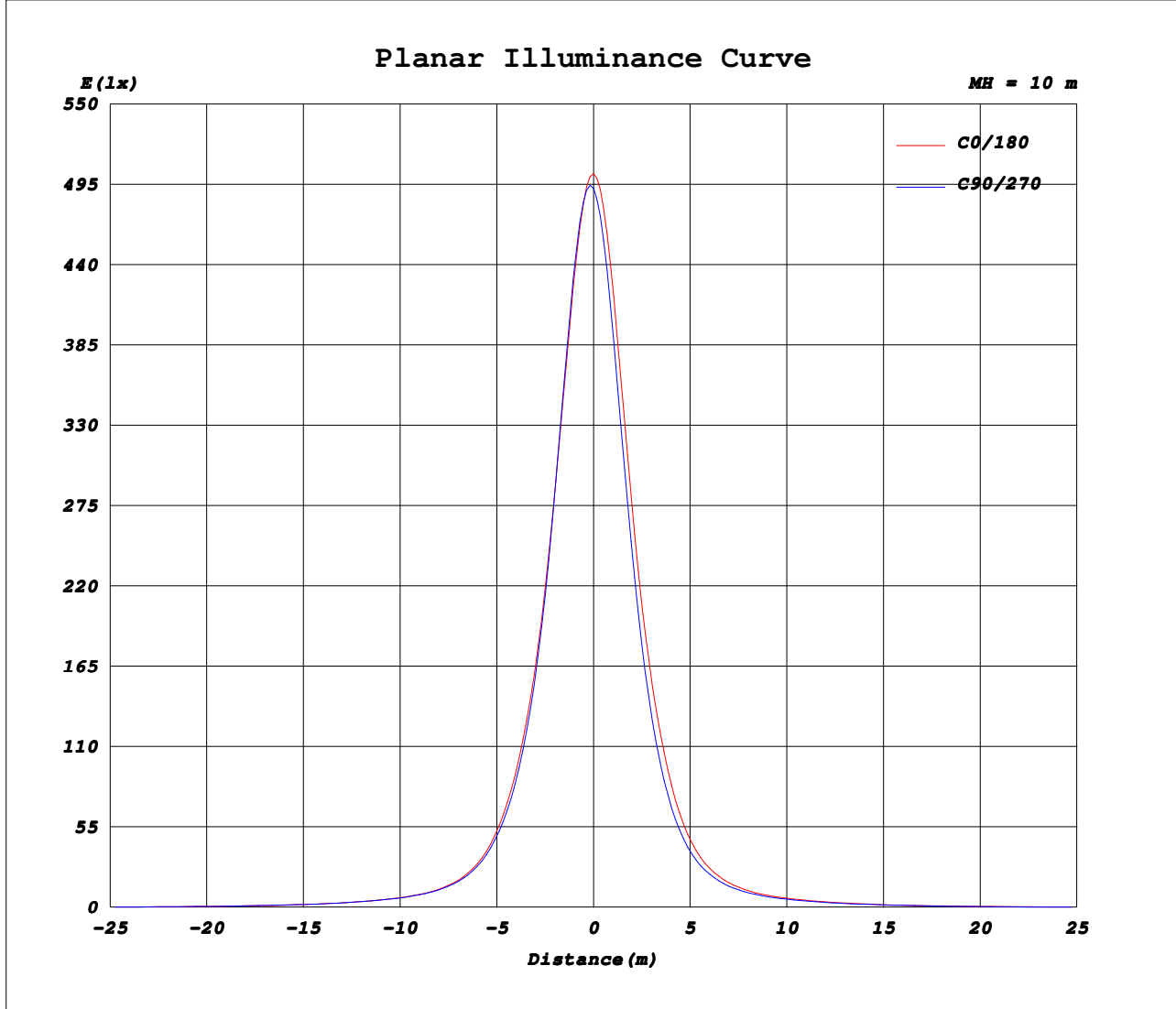
Test:U:230.44V I:0.6607A P:149.90W PF:0.9846 Freq:50.01Hz Lamp Flux:18461.2x1 lm		
NAME: KYH-Midi	TYPE:OUTDOOR	WEIGHT:5.2kg
SPEC.:150 WATT	DIM.: 262X430X50	SERIAL No.:
MFR.: LITPA AYDINLATMA	SUR.:	Shielding Angle:



C Range: 0 - 360DEG  
C Interval: 10.0DEG  
Test Speed: HIGH  
Temperature: 20DEG  
Operators: LITPA  
Test Date: 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-X1625D 30°

## Planar Illuminance Curve



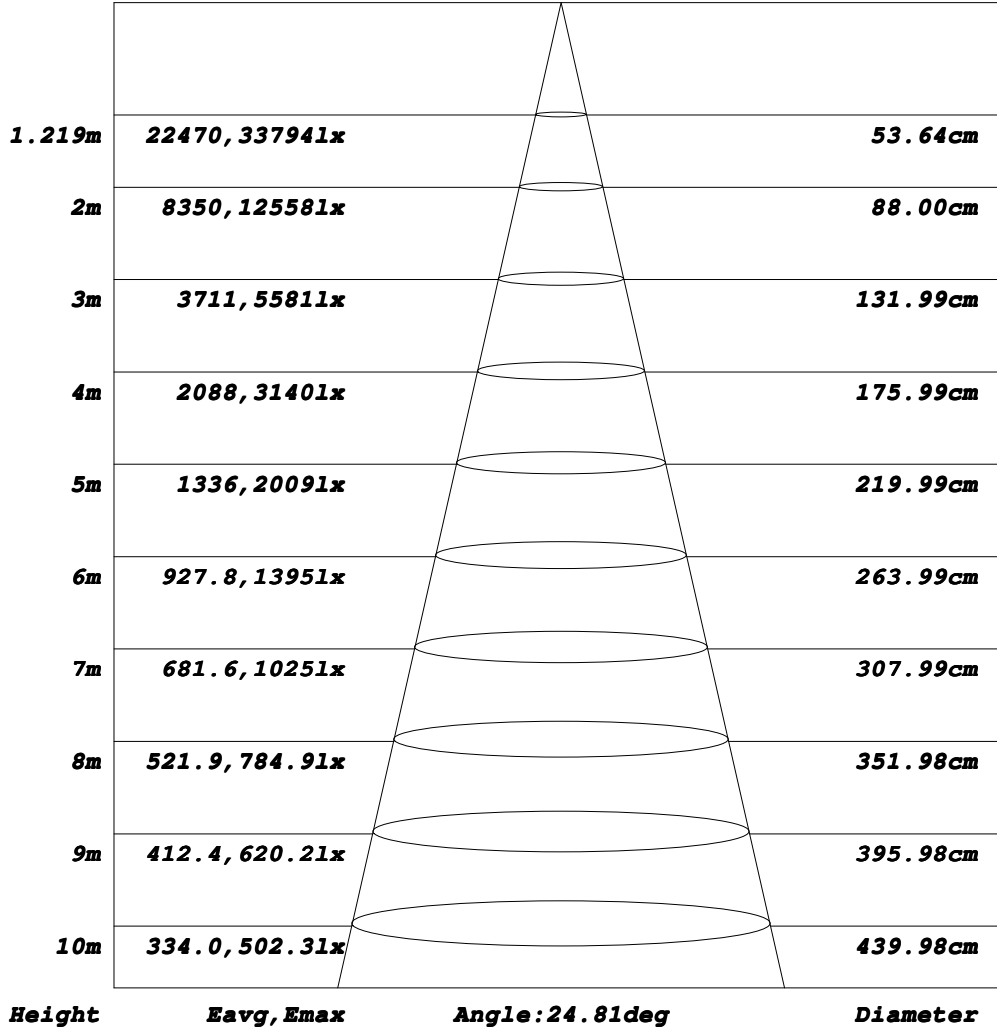
C Range: 0 - 360DEG  
C Interval: 10.0DEG  
Test Speed: HIGH  
Temperature: 20DEG  
Operators: LITPA  
Test Date: 11/05/2021

$\gamma$  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-150WATT-X1625D 30°

## AAI Figure

Test:U:230.44V I:0.6607A P:149.90W PF:0.9846 Freq:50.01Hz Lamp Flux:18461.2x1 lm		
NAME: KYH-Midi	TYPE:OUTDOOR	WEIGHT:5.2kg
SPEC.:150 WATT	DIM.: 262X430X50	SERIAL No.:
MFR.: LITPA AYDINLATMA	SUR.:	Shielding Angle:

Flux out:5593 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  
 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-X1625D 30°

## LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:230.44V I:0.6607A P:149.90W PF:0.9846 Freq:50.01Hz Lamp Flux:18461.2x1 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:  $\mu$ 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	0.11	0.13	0.13	0.14	0.15	0.16	0.17	0.18	0.18	0.18	0.19	0.19	0.17	0.15	0.12	0.09	0.09	0.09
-85	0.09	0.18	0.29	0.37	0.47	0.65	0.89	1.07	1.29	1.57	1.87	2.06	2.27	2.48	2.66	2.56	2.39	2.16	1.89
-80	0.09	0.26	0.42	0.78	1.23	1.82	2.65	3.67	4.77	6.03	7.46	8.66	9.84	11.0	12.0	12.4	12.5	12.1	11.5
-75	0.09	0.32	0.76	1.45	2.44	4.21	6.47	8.87	11.4	14.3	17.4	20.0	22.4	25.0	27.4	28.5	29.0	28.7	27.9
-70	0.09	0.37	1.19	2.38	4.71	7.98	11.9	16.2	20.5	25.2	30.0	34.5	38.5	42.4	46.1	48.2	49.2	49.2	48.4
-65	0.09	0.47	1.66	3.96	7.76	12.7	18.6	24.9	31.1	37.9	44.6	51.2	57.1	62.7	67.9	71.2	73.1	73.5	72.7
-60	0.09	0.66	2.20	5.92	11.3	18.2	26.2	34.6	42.9	51.4	60.7	69.3	77.3	84.5	91.3	96.2	99.0	99.9	99.3
-55	0.09	0.84	3.09	8.17	15.3	24.1	34.1	44.7	55.5	66.2	77.6	88.3	98.1	107	115	121	125	126	125
-50	0.09	1.02	4.07	10.6	19.5	30.1	42.0	55.2	68.4	81.4	94.4	108	120	132	141	149	153	154	153
-45	0.09	1.19	5.09	13.1	23.7	36.3	50.1	65.5	81.2	96.1	112	128	142	156	169	179	184	186	185
-40	0.09	1.35	6.21	15.6	27.8	41.9	58.1	75.6	93.0	111	129	148	167	186	204	221	232	236	234
-35	0.09	1.50	7.26	18.0	31.7	47.4	65.5	84.9	104	126	147	168	195	226	259	292	318	327	323
-30	0.09	1.66	8.27	20.2	35.3	52.7	72.4	93.6	115	139	163	190	230	282	346	413	476	497	490
-25	0.09	1.79	9.15	22.1	38.5	57.2	78.4	101	124	149	176	215	272	357	481	612	742	805	795
-20	0.09	1.89	9.96	23.8	41.1	61.2	83.4	107	132	158	189	241	324	456	655	905	1137	1309	1299
-15	0.09	1.98	10.6	25.1	43.2	64.4	87.6	111	137	165	201	263	374	568	868	1262	1736	2153	2137
-10	0.09	2.03	11.0	26.1	44.8	66.8	91.0	115	142	170	210	285	417	659	1076	1681	2480	3274	3361
-5	0.09	2.06	11.3	26.7	45.7	68.3	93.1	118	146	175	218	301	449	728	1213	1953	3047	4205	4564
0	0.09	2.07	11.4	26.8	46.1	68.8	93.9	120	148	178	223	309	466	765	1287	2089	3238	4465	5023
5	0.09	2.06	11.3	26.6	45.6	68.1	92.9	118	146	175	219	299	445	718	1188	1912	2883	3886	4179
10	0.09	2.02	11.0	26.0	44.6	66.4	90.5	115	142	170	210	281	407	634	997	1499	2159	2763	2901
15	0.09	1.96	10.5	24.9	42.9	63.8	86.9	111	137	164	198	257	353	512	764	1082	1439	1729	1786
20	0.09	1.88	9.86	23.5	40.6	60.4	82.3	105	130	155	184	227	295	404	557	736	923	1052	1050
25	0.09	1.77	9.02	21.8	37.9	56.3	76.9	98.5	121	144	168	200	248	312	394	491	573	633	628
30	0.09	1.63	8.12	19.8	34.6	51.6	70.6	90.8	110	132	152	176	208	244	288	335	370	396	393
35	0.09	1.47	7.09	17.5	31.1	46.4	63.4	81.5	98.3	117	136	154	174	196	219	241	257	268	266
40	0.09	1.32	6.04	15.1	27.2	40.8	55.9	71.4	86.3	102	119	134	148	163	175	186	194	198	197
45	0.09	1.16	4.92	12.7	23.1	35.2	47.8	60.9	74.5	87.9	102	114	126	137	147	153	158	160	159
50	0.09	0.99	3.93	10.3	19.0	29.2	39.7	50.7	62.3	73.9	85.0	95.5	105	115	122	128	132	133	133
55	0.09	0.81	2.98	7.91	14.9	23.2	31.9	40.6	50.3	59.8	68.8	77.0	85.5	92.7	98.9	104	108	109	108
60	0.09	0.64	2.10	5.72	11.0	17.4	24.2	31.3	38.8	46.4	53.3	60.0	67.1	73.1	77.8	82.0	85.1	85.9	85.1
65	0.09	0.45	1.57	3.85	7.58	12.1	17.1	22.5	28.3	33.8	38.9	44.1	49.4	53.7	57.2	60.3	62.8	63.3	62.6
70	0.09	0.36	1.12	2.33	4.67	7.57	10.9	14.6	18.7	22.5	26.0	29.7	33.3	36.2	38.7	40.9	42.6	42.8	42.2
75	0.09	0.30	0.71	1.41	2.46	4.04	5.85	8.08	10.6	12.9	15.0	17.3	19.6	21.5	22.9	24.4	25.6	25.6	25.1
80	0.09	0.24	0.39	0.76	1.24	1.75	2.43	3.42	4.51	5.47	6.47	7.61	8.73	9.53	10.2	11.0	11.6	11.6	11.3
85	0.09	0.17	0.25	0.35	0.48	0.63	0.82	1.02	1.27	1.47	1.65	1.90	2.18	2.32	2.41	2.57	2.69	2.55	2.37
90	0.09	0.09	0.10	0.12	0.13	0.15	0.17	0.18	0.19	0.20	0.21	0.22	0.22	0.22	0.22	0.21	0.21	0.18	0.15

C Range: 0 - 360DEG

C Interval: 10.0DEG

Test Speed: HIGH

Temperature:20DEG

Operators:LITPA

Test Date:11/05/2021

 $\gamma$  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-150WATT-X1625D 30°

## LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:230.44V I:0.6607A P:149.90W PF:0.9846 Freq:50.01Hz Lamp Flux:18461.2x1 lm		
NAME: KYH-Midi	TYPE:OUTDOOR	WEIGHT:5.2kg
SPEC.:150 WATT	DIM.: 262X430X50	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	0.09	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	
-85	1.77	1.63	1.57	1.48	1.35	1.19	1.09	0.98	0.84	0.68	0.57	0.48	0.35	0.27	0.22	0.19	0.14	0.08	
-80	11.0	10.3	9.75	8.99	8.00	7.02	6.21	5.36	4.34	3.44	2.69	1.96	1.41	0.93	0.58	0.31	0.20	0.08	
-75	27.1	25.9	24.7	23.2	20.9	18.5	16.6	14.4	11.8	9.42	7.34	5.43	3.61	2.15	1.31	0.63	0.27	0.08	
-70	47.3	45.6	43.7	41.2	37.6	34.0	30.4	26.4	22.2	18.0	14.3	10.6	7.24	4.39	2.30	1.11	0.32	0.08	
-65	71.4	69.1	66.4	62.5	57.3	52.0	46.7	40.7	34.6	28.7	23.0	17.3	12.0	7.47	3.96	1.68	0.42	0.08	
-60	97.7	95.0	91.5	86.1	79.4	72.3	64.9	56.8	48.3	40.4	32.9	25.0	17.5	11.2	6.04	2.32	0.62	0.08	
-55	124	121	117	110	102	93.6	84.2	73.9	63.1	53.3	43.0	33.2	23.6	15.2	8.44	3.30	0.81	0.08	
-50	152	149	145	137	127	117	105	91.6	79.1	66.5	54.0	41.4	30.0	19.8	11.0	4.38	1.02	0.08	
-45	183	180	174	166	154	141	126	110	94.7	80.2	64.8	49.9	36.5	24.3	13.7	5.51	1.24	0.08	
-40	229	223	213	199	185	167	148	130	111	93.0	75.6	58.4	42.7	28.7	16.5	6.71	1.43	0.08	
-35	313	300	277	251	225	197	171	150	128	105	85.8	66.5	48.7	33.0	19.0	7.86	1.63	0.08	
-30	466	438	386	333	281	234	197	169	143	118	95.6	74.1	54.4	37.0	21.3	8.95	1.82	0.08	
-25	746	675	569	465	359	281	225	186	157	129	104	81.0	59.6	40.2	23.4	9.91	1.99	0.08	
-20	1200	1036	846	642	467	340	255	202	168	139	112	86.8	63.8	43.0	25.1	10.8	2.14	0.08	
-15	1936	1574	1196	869	599	402	285	217	178	147	118	91.5	67.0	45.2	26.5	11.4	2.25	0.08	
-10	2959	2303	1644	1113	720	463	315	230	186	153	122	94.6	69.2	46.7	27.5	11.9	2.33	0.08	
-5	4040	3029	2032	1320	830	511	335	239	189	156	124	96.4	70.5	47.5	28.1	12.2	2.38	0.08	
0	4515	3334	2193	1384	854	520	339	240	190	156	125	96.7	70.8	47.8	28.2	12.3	2.40	0.08	
5	3448	2614	1813	1185	752	473	317	229	184	152	121	94.3	68.8	46.1	27.0	11.8	2.37	0.08	
10	2395	1881	1363	956	640	419	290	215	175	145	116	90.6	65.9	43.7	25.4	11.1	2.30	0.08	
15	1512	1251	975	719	502	354	261	201	166	138	110	85.6	61.9	40.6	23.4	10.3	2.21	0.08	
20	943	806	657	516	388	291	228	185	156	129	104	79.9	57.0	36.9	21.2	9.35	2.08	0.08	
25	577	508	441	363	298	242	199	168	143	119	96.1	74.0	52.2	32.6	18.7	8.33	1.94	0.08	
30	370	335	305	267	232	202	173	150	128	107	87.8	67.5	47.6	28.5	15.9	7.30	1.77	0.08	
35	257	240	224	206	187	168	149	132	112	94.5	78.0	60.5	42.7	25.7	13.2	6.24	1.58	0.08	
40	192	185	176	167	156	142	128	113	97.0	82.2	67.6	53.2	37.5	22.5	10.5	5.25	1.39	0.08	
45	156	152	146	140	131	119	108	96.0	82.7	69.9	57.2	45.1	32.4	19.2	8.72	4.32	1.21	0.08	
50	131	127	121	115	108	98.4	88.7	78.9	68.4	57.7	47.0	37.1	27.2	15.6	7.18	3.47	1.01	0.08	
55	106	103	97.9	92.4	86.0	78.8	70.7	62.9	54.7	45.9	37.1	29.3	21.3	12.1	5.72	2.69	0.82	0.08	
60	83.4	80.4	76.0	71.2	66.4	60.5	53.9	47.8	41.6	34.8	28.2	21.7	15.4	8.76	4.34	2.00	0.64	0.08	
65	61.1	58.7	55.1	51.3	47.8	43.6	38.7	34.0	29.5	24.6	19.5	14.8	10.2	5.96	3.03	1.50	0.45	0.08	
70	41.0	39.3	36.6	33.8	31.3	28.5	25.1	21.8	18.7	15.5	12.2	8.85	5.97	3.56	1.88	1.06	0.36	0.08	
75	24.1	22.8	20.9	18.8	17.3	15.5	13.6	11.6	9.85	7.99	6.09	4.27	2.87	1.71	1.12	0.66	0.30	0.08	
80	10.6	9.67	8.55	7.36	6.65	5.92	5.07	4.23	3.59	2.94	2.15	1.48	1.11	0.76	0.57	0.38	0.24	0.08	
85	2.15	1.90	1.65	1.40	1.30	1.19	1.01	0.84	0.73	0.62	0.52	0.43	0.33	0.27	0.26	0.26	0.18	0.08	
90	0.13	0.10	0.10	0.10	0.10	0.11	0.11	0.11	0.11	0.11	0.12	0.12	0.12	0.12	0.13	0.15	0.11	0.08	

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

**$\gamma$  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-150WATT-X1625D 30°**