

Floodlight Summary:

Report based on lamp delivering 1000 lumens.

Maximum Intensity	736.1 cd per klm.
(Luminaire orientation as tested.)	0.0 degrees vertical
	0.0 degrees horizontal

Beam Spread	At 10% of Imax	143.2V x 147.0H
	At 50% of Imax	42.4V x 115.1H
	At 90% of Imax	8.2V x 51.7H

Beam Flux	Total	1000.0 lumens per klm.
	To 10% of Imax	944.5 lumens per klm.
	To 50% of Imax	272.2 lumens per klm.
	To 90% of Imax	27.4 lumens per klm.

Upward LOR	0.0 %
Downward LOR	100.0 %

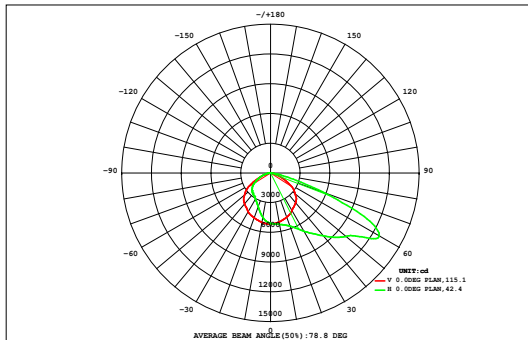
Luminaire Efficiency (Light Output Ratio)	100.0 %
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C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature: 20DEG
Operators: LITPA
Test Date: 11/05/2021

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-ASYMETRYK

LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:230.43V I:0.6596A P:149.64W PF:0.9845 Freq:50.01Hz Lamp Flux:17245.7x1 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:115.25lm/W	
MODEL	KYH-Midi	Imax(cd)	12694
NOMINAL POWER(W)	150	AVAILABILITY(%)	94.4
RATED VOLTAGE(V)	230.0	Avai. FLUX(lm)	16284
NOMINAL FLUX(lm)	17245.7	LOR(%)	100.0
LAMPS INSIDE	1	TOTAL FLUX(lm)	17246
TEST VOLTAGE(V)	230	θ @50% (H,V)	115,42DEG

VERTICAL (DEG)	AREA FLUX DIAGRAM																UNIT:lm		Φ t	Φ a
	0.01	0.08	0.27	0.68	1.34	2.20	3.10	3.86	4.14	3.63	2.72	1.84	1.07	0.54	0.28	0.15	0.07	0.02	26.0	0.00
90	0.01	0.08	0.27	0.68	1.34	2.20	3.10	3.86	4.14	3.63	2.72	1.84	1.07	0.54	0.28	0.15	0.07	0.02	26.0	0.00
80	0.03	0.32	1.36	3.58	7.06	11.3	15.5	18.5	19.8	18.8	16.2	12.8	8.98	5.28	2.27	0.76	0.23	0.03	143	0.00
70	0.05	0.76	3.25	8.25	15.5	24.0	32.5	38.6	41.3	40.1	35.8	29.2	21.2	13.4	6.68	2.21	0.56	0.05	313	116
60	0.09	1.30	5.40	13.0	23.3	35.3	48.0	58.9	64.5	63.2	56.0	44.8	32.5	21.2	11.5	4.18	1.00	0.08	484	389
50	0.13	1.87	7.42	16.8	29.0	43.1	58.1	71.6	79.0	78.0	69.0	55.3	40.7	27.2	15.5	6.16	1.43	0.12	600	530
40	0.17	2.39	9.49	20.8	34.9	50.4	66.4	80.2	87.4	86.3	77.6	63.7	48.2	33.5	19.9	8.19	1.85	0.16	691	641
30	0.20	2.89	12.0	27.5	45.1	62.0	78.9	92.8	101	98.6	89.4	75.9	59.8	44.0	26.4	10.6	2.39	0.19	829	797
20	0.23	3.37	15.2	36.5	58.9	78.1	97.0	114	124	121	109	94.0	75.9	56.9	34.9	14.4	3.03	0.21	1036	1014
10	0.24	3.72	18.2	45.0	72.5	94.9	117	136	148	144	132	115	94.2	72.9	46.2	18.8	3.60	0.23	1262	1245
0	0.24	3.81	20.0	50.7	82.1	107	129	145	154	158	150	137	114	87.6	54.6	21.5	3.81	0.23	1418	1402
-10	0.22	3.57	20.0	53.2	88.3	117	142	156	163	166	162	150	125	95.2	58.1	21.8	3.57	0.21	1526	1511
-20	0.20	3.07	18.3	52.8	92.1	127	157	176	185	189	184	167	135	97.6	56.5	19.6	3.06	0.19	1664	1648
-30	0.17	2.43	14.8	47.1	88.7	130	168	204	223	228	214	179	135	91.7	49.1	15.1	2.38	0.15	1792	1774
-40	0.13	1.78	9.90	36.1	76.1	120	170	227	267	275	244	185	127	78.0	36.4	9.59	1.69	0.11	1865	1842
-50	0.09	1.17	5.62	22.0	53.9	99.0	162	247	321	338	281	183	105	53.4	20.8	5.22	1.05	0.07	1899	1865
-60	0.06	0.66	2.79	9.36	25.5	55.6	109	199	280	282	205	109	50.1	21.3	8.07	2.42	0.55	0.04	1361	1303
-70	0.03	0.29	1.07	2.79	6.07	11.8	24.4	47.5	68.9	67.8	44.7	21.5	9.42	4.45	2.09	0.79	0.20	0.02	314	207
-80	0.02	0.09	0.23	0.47	0.82	1.34	2.25	3.41	3.90	3.33	2.27	1.33	0.77	0.45	0.25	0.11	0.04	0.01	21.1	0.00
-90	0.02	0.09	0.23	0.47	0.82	1.34	2.25	3.41	3.90	3.33	2.27	1.33	0.77	0.45	0.25	0.11	0.04	0.01	21.1	0.00
-90 -80 -70 -60 -50 -40 -30 -20 HORIZONTAL (DEG) 20 30 40 50 60 70 80 90																				
Φ t	2.30	33.6	165	447	801	1171	1580	2018	2335	2360	2076	1626	1183	805	450	162	30.5	2.11	17246	---
Φ a	0.00	0.00	76.5	367	730	1112	1526	1967	2285	2312	2026	1572	1123	733	374	81.5	0.00	0.00	---	16284

one-half-peak spread: U:9.1,D:33.9 , L:58.1,R:57.3

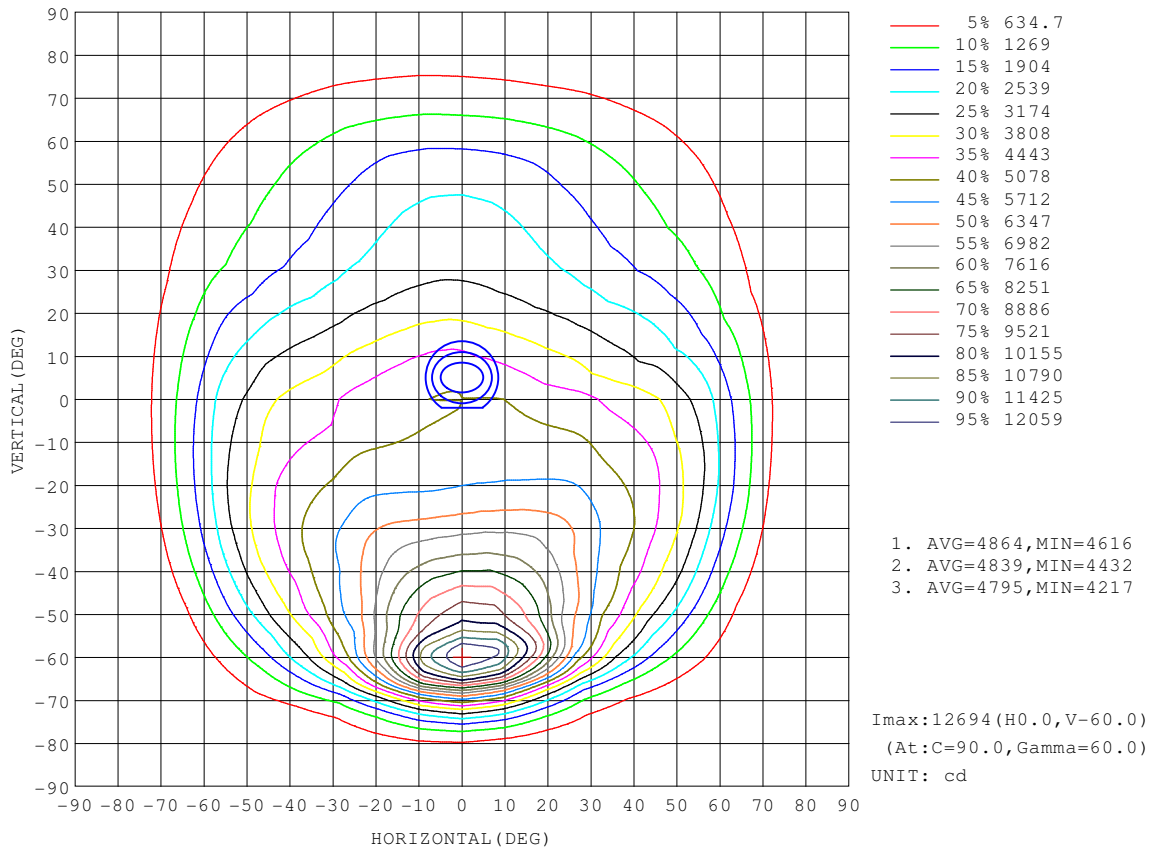
NEMA Beam Type: Type 7

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-ASYMETRYK

ISOCANDELA DIAGRAM

Test:U:230.43V I:0.6596A P:149.64W PF:0.9845 Freq:50.01Hz Lamp Flux:17245.7x1 lm		
NAME: KYH-Midi	TYPE:OUTDOOR	WEIGHT:5.2kg
SPEC.:150 WATT	DIM.: 262X430X50	SERIAL No.:
MFR.: LITPA AYDINLATMA	SUR.:	Shielding Angle:

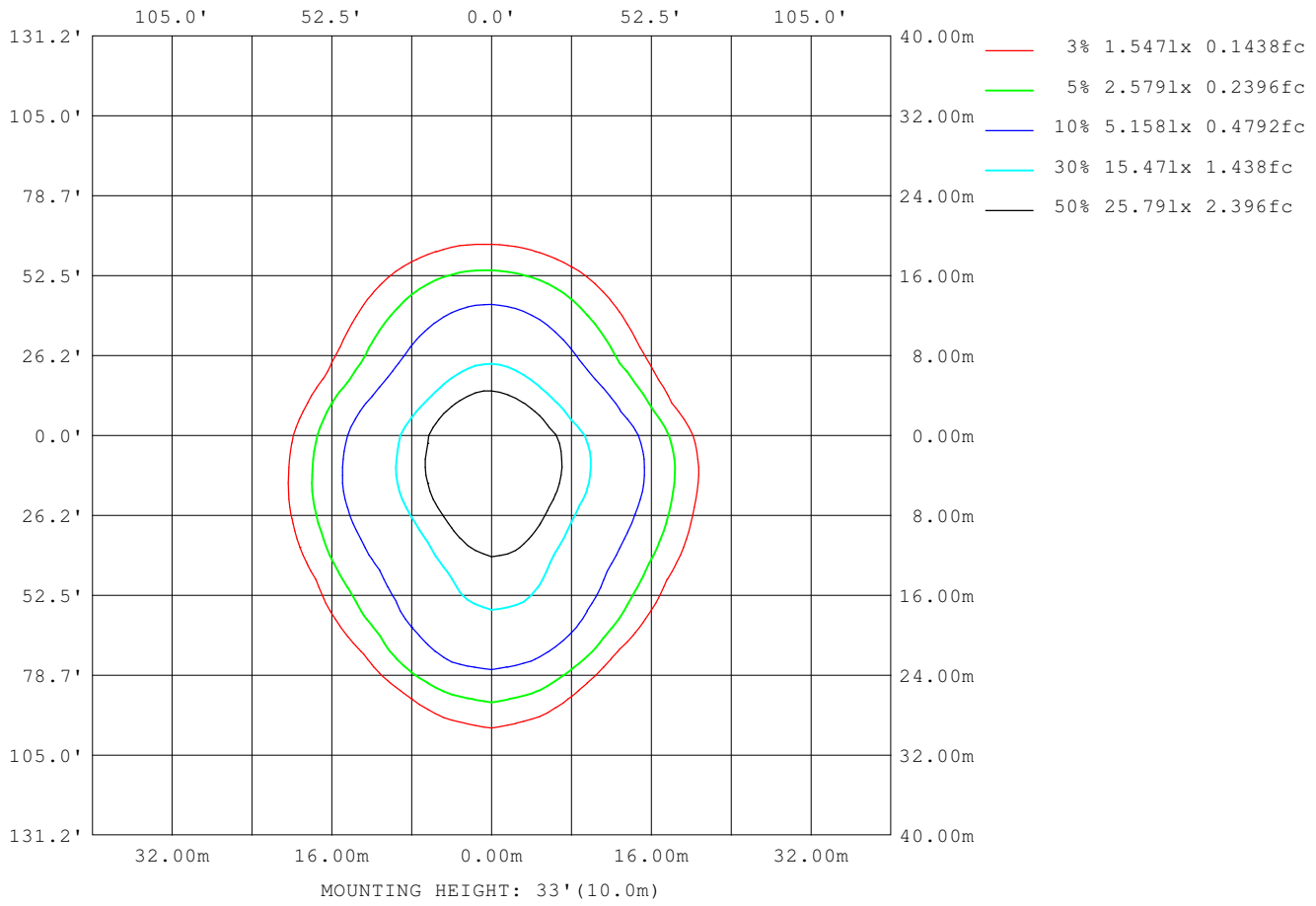


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 C Interval: 10.0DEG
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 Temperature: 20DEG
 Operators: LITPA
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ISOLUX DIAGRAM

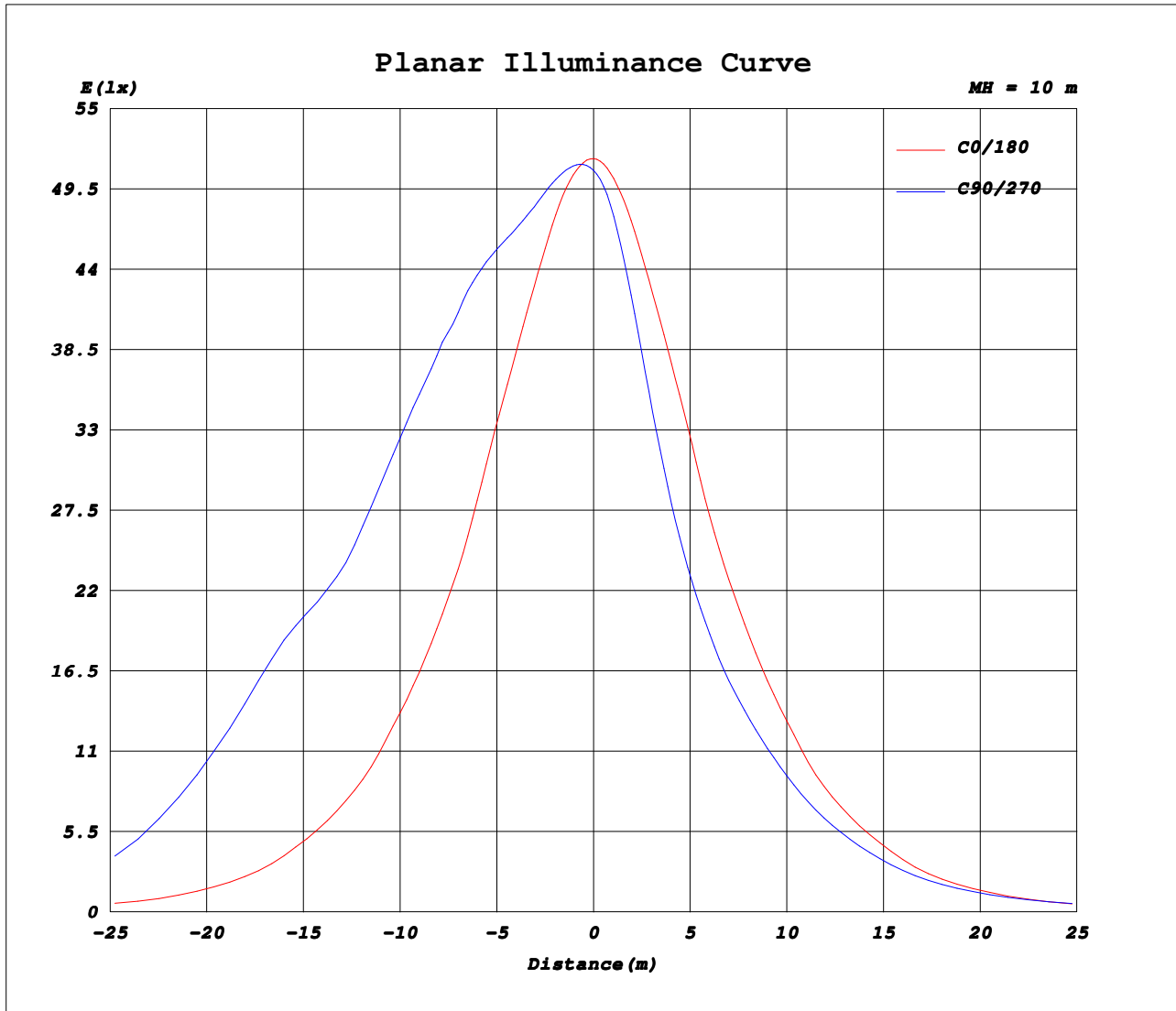
Test:U:230.43V I:0.6596A P:149.64W PF:0.9845 Freq:50.01Hz Lamp Flux:17245.7x1 lm		
NAME: KYH-Midi	TYPE:OUTDOOR	WEIGHT:5.2kg
SPEC.:150 WATT	DIM.: 262X430X50	SERIAL No.:
MFR.: LITPA AYDINLATMA	SUR.:	Shielding Angle:



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-ASYMETRYK

Planar Illuminance Curve

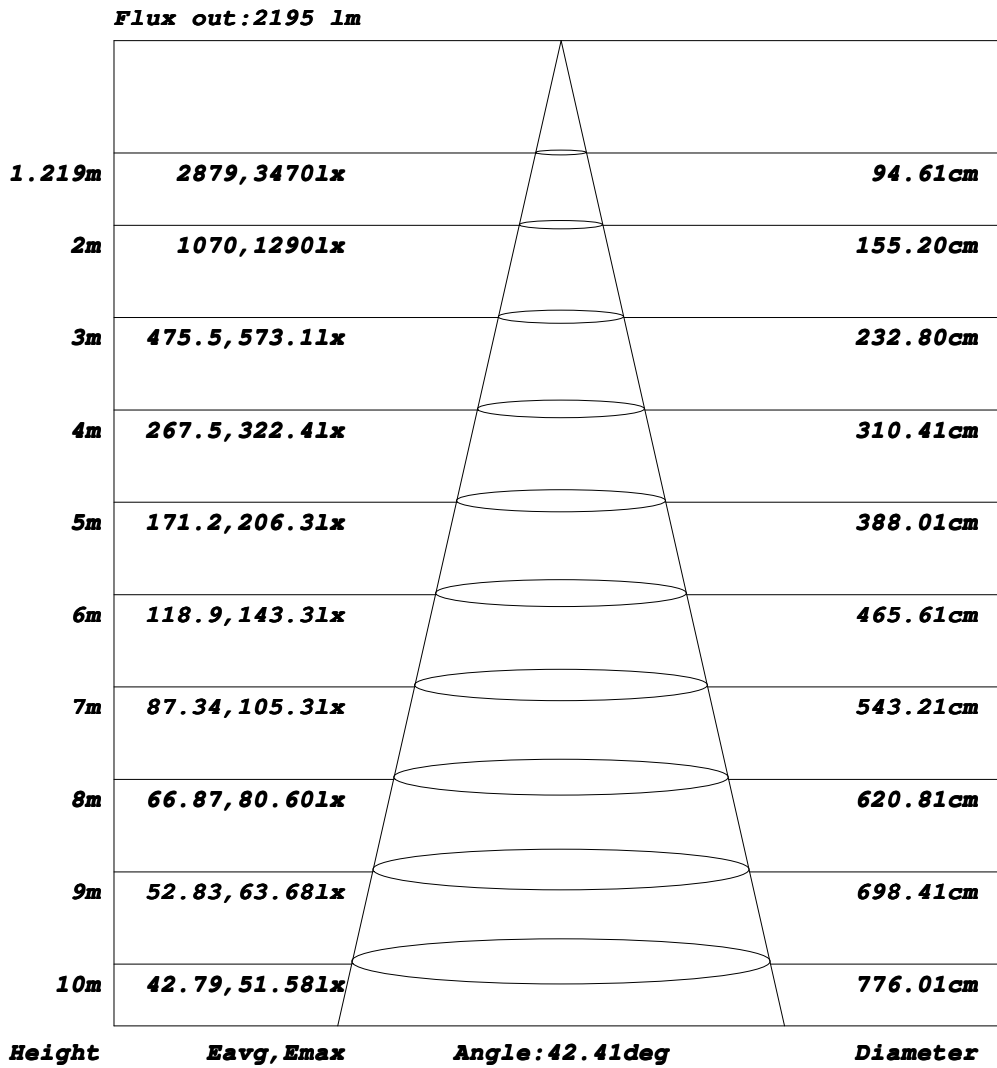


C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature: 20DEG
Operators: LITPA
Test Date: 11/05/2021

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-ASYMETRYK

AAI Figure

Test:U:230.43V I:0.6596A P:149.64W PF:0.9845 Freq:50.01Hz Lamp Flux:17245.7x1 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-ASYMETRYK

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:230.43V I:0.6596A P:149.64W PF:0.9845 Freq:50.01Hz Lamp Flux:17245.7x1 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: $\mu\text{A}10\text{cd}$

H (DEG) V (DEG)	-90	-85	-80	-75	-70	-65	-60	-55	-50	-45	-40	-35	-30	-25	-20	-15	-10	-5	0
-90	0.14	0.39	0.64	0.58	0.52	0.50	0.48	0.46	0.44	0.41	0.39	0.38	0.37	0.34	0.32	0.28	0.23	0.22	0.21
-85	0.14	0.57	1.01	1.10	1.21	1.49	1.92	2.23	2.56	3.01	3.44	3.77	4.17	4.65	5.07	4.99	4.78	4.37	3.89
-80	0.14	0.74	1.26	1.90	2.78	3.90	5.19	6.67	8.26	10.3	12.8	16.3	20.6	28.3	37.5	45.7	54.2	57.0	58.6
-75	0.14	0.87	1.90	3.34	5.17	7.72	11.0	14.7	19.3	25.1	31.5	41.0	52.3	75.7	104	139	177	197	212
-70	0.14	0.98	2.80	5.24	8.54	13.2	19.7	27.8	40.7	57.1	75.0	103	135	194	270	360	455	512	553
-65	0.14	1.17	3.86	7.58	12.8	20.2	31.3	49.1	77.9	114	161	221	297	402	545	709	882	977	1044
-60	0.14	1.53	5.07	10.3	17.7	28.9	47.8	81.4	126	183	253	329	427	548	704	876	1064	1180	1269
-55	0.14	1.88	6.41	13.3	23.6	39.1	70.7	122	182	242	324	385	483	572	705	833	963	1051	1124
-50	0.14	2.27	7.82	16.6	30.1	51.5	99.4	164	235	314	379	454	529	606	708	812	893	952	997
-45	0.14	2.66	9.25	20.1	37.0	68.5	130	205	280	358	411	485	547	615	693	777	838	885	918
-40	0.14	3.02	10.7	23.7	44.6	88.8	157	240	322	389	448	507	558	615	678	735	777	807	827
-35	0.14	3.37	12.1	27.0	53.1	109	183	266	350	414	471	523	566	612	663	697	720	736	747
-30	0.14	3.74	13.5	30.3	62.2	125	205	287	368	424	485	524	558	597	631	650	660	670	679
-25	0.14	4.04	14.6	33.3	70.2	136	217	304	374	427	479	511	539	570	591	599	602	608	616
-20	0.14	4.30	15.7	35.9	77.7	143	223	310	370	424	466	493	515	542	555	558	560	563	571
-15	0.14	4.49	16.5	38.2	83.6	148	226	309	362	415	448	472	491	516	526	530	533	537	543
-10	0.14	4.62	17.1	39.7	87.3	151	226	304	351	399	427	448	467	491	501	508	515	520	528
-5	0.14	4.70	17.4	40.6	88.6	149	221	294	339	386	410	428	445	466	479	490	501	508	517
0	0.14	4.71	17.5	40.7	87.7	145	212	281	325	370	395	415	436	461	476	490	503	512	516
5	0.14	4.70	17.5	40.3	83.9	137	197	260	300	340	362	380	400	426	446	464	480	491	490
10	0.14	4.62	17.3	39.3	78.6	126	181	237	273	308	329	346	366	390	409	427	445	456	455
15	0.14	4.49	16.8	37.7	72.2	114	162	211	245	276	297	313	331	352	370	386	402	411	410
20	0.14	4.29	16.1	35.6	65.3	101	142	185	214	240	263	280	295	317	333	346	359	367	366
25	0.14	4.03	15.1	33.3	58.4	90.1	125	157	182	209	231	247	267	286	301	315	325	332	331
30	0.14	3.71	14.0	30.7	52.4	81.2	109	132	160	182	201	222	240	260	277	291	301	307	307
35	0.14	3.33	12.6	27.8	47.7	72.7	95.5	117	141	158	182	200	220	239	258	272	282	288	289
40	0.14	2.97	11.2	24.6	42.8	64.3	84.4	106	127	146	167	186	205	225	245	259	270	276	278
45	0.14	2.59	9.67	21.4	37.6	56.4	76.2	95.7	115	134	154	173	192	211	230	245	257	263	264
50	0.14	2.18	8.16	18.1	32.3	48.6	67.0	85.4	104	122	140	159	176	194	211	226	237	242	243
55	0.14	1.78	6.62	14.9	26.6	40.7	56.9	73.8	90.9	109	125	143	160	176	190	203	212	216	216
60	0.14	1.42	5.09	11.6	21.0	32.6	46.0	60.9	76.1	91.4	106	121	136	149	159	168	174	176	175
65	0.14	1.04	3.75	8.57	15.6	24.3	34.7	46.6	59.5	72.2	84.1	96.5	109	118	125	131	136	137	135
70	0.14	0.83	2.60	5.75	10.6	16.6	23.8	32.5	42.2	51.7	61.1	70.3	79.3	86.1	91.6	95.8	98.8	98.7	97.2
75	0.14	0.70	1.64	3.52	6.26	9.97	14.3	19.7	26.0	32.0	38.2	44.7	51.0	55.7	59.4	62.6	65.0	64.7	63.5
80	0.14	0.55	0.95	1.87	3.21	4.82	6.82	9.68	12.8	15.7	18.8	22.4	25.8	28.5	30.9	33.0	34.8	34.5	33.8
85	0.14	0.35	0.61	0.90	1.27	1.72	2.32	3.11	4.12	5.12	6.12	7.39	8.72	9.58	10.4	11.3	12.1	11.7	11.2
90	0.14	0.15	0.17	0.23	0.28	0.37	0.45	0.54	0.62	0.73	0.84	0.92	1.00	1.05	1.10	1.08	1.06	0.86	0.67

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NAME: KYH-Midi	TYPE:OUTDOOR	WEIGHT:5.2kg
SPEC.:150 WATT	DIM.: 262X430X50	SERIAL No.:
MFR.: LITPA AYDINLATMA	SUR.:	Shielding Angle:

Table--2

UNIT: μ A10cd

H (DEG) V (DEG)	5	10	15	20	25	30	35	40	45	50	55	60	65	70	75	80	85	90	
-90	0.20	0.19	0.18	0.17	0.16	0.15	0.14	0.14	0.13	0.13	0.13	0.12	0.12	0.12	0.12	0.12	0.12	0.12	
-85	3.59	3.25	3.04	2.78	2.45	2.10	1.88	1.67	1.43	1.16	1.00	0.86	0.66	0.51	0.42	0.37	0.26	0.12	
-80	51.7	44.0	35.6	27.7	20.5	14.6	11.2	8.62	6.77	5.32	4.29	3.31	2.41	1.61	1.04	0.58	0.40	0.12	
-75	194	170	132	94.3	67.5	45.8	33.7	24.4	18.8	14.1	11.0	8.18	5.67	3.68	2.26	1.12	0.51	0.12	
-70	507	446	346	251	171	111	79.6	55.1	41.3	30.3	22.7	15.9	10.6	6.75	4.00	1.95	0.60	0.12	
-65	984	890	725	554	393	270	190	129	92.4	62.8	42.2	27.6	17.3	10.8	6.27	2.95	0.77	0.12	
-60	1227	1150	989	801	603	453	333	244	170	113	75.1	44.1	25.8	15.6	8.94	4.13	1.12	0.12	
-55	1112	1074	971	831	656	539	410	332	242	175	114	66.7	35.9	21.5	11.9	5.50	1.45	0.12	
-50	984	949	883	780	660	568	471	391	311	236	158	94.7	48.6	28.1	15.3	6.93	1.83	0.12	
-45	911	884	835	761	673	583	514	427	367	287	207	127	65.9	35.5	19.1	8.36	2.21	0.12	
-40	828	812	780	732	663	587	529	466	398	334	245	158	87.3	43.7	22.8	9.88	2.56	0.12	
-35	751	744	728	698	648	594	536	493	419	364	277	189	110	53.0	26.3	11.3	2.92	0.12	
-30	686	686	682	667	639	591	548	508	445	384	306	215	131	63.0	29.7	12.6	3.30	0.12	
-25	622	625	627	622	610	577	541	506	456	396	329	233	146	71.3	32.9	13.8	3.63	0.12	
-20	575	579	581	581	577	553	523	495	456	397	337	245	156	79.0	35.6	14.9	3.90	0.12	
-15	546	548	549	549	546	529	502	478	448	392	339	250	161	85.5	37.8	15.8	4.12	0.12	
-10	531	530	528	524	521	505	480	459	433	381	330	247	164	89.7	39.3	16.4	4.28	0.12	
-5	521	519	511	504	497	481	455	436	411	364	316	240	162	91.1	40.1	16.8	4.39	0.12	
0	514	507	495	483	472	453	427	409	386	343	299	228	155	90.0	40.1	16.9	4.43	0.12	
5	477	465	450	432	412	393	374	360	342	306	267	205	142	83.4	38.4	16.6	4.42	0.12	
10	441	429	412	394	379	358	335	316	296	266	233	180	126	75.3	36.2	16.2	4.35	0.12	
15	397	386	371	356	340	324	304	287	266	235	198	154	108	66.1	33.5	15.5	4.22	0.12	
20	357	346	333	320	306	286	271	256	235	208	175	132	91.3	56.8	30.4	14.7	4.02	0.12	
25	325	314	303	289	275	257	238	224	205	179	151	116	78.9	48.0	27.4	13.7	3.77	0.12	
30	302	292	281	266	250	230	213	194	177	156	128	101	70.4	40.8	24.3	12.7	3.47	0.12	
35	285	276	264	249	230	211	191	174	152	136	112	87.6	62.1	36.6	21.4	11.5	3.11	0.12	
40	273	264	251	235	216	196	177	159	138	120	99.6	76.4	53.9	32.3	18.7	10.3	2.76	0.12	
45	259	249	236	220	201	181	163	144	126	107	88.4	67.5	46.3	27.9	16.5	8.94	2.42	0.12	
50	238	229	217	201	183	166	148	130	113	95.4	77.5	58.1	38.6	23.4	14.2	7.56	2.05	0.12	
55	212	204	193	179	164	148	131	115	98.9	82.3	65.8	47.7	30.6	18.9	11.8	6.15	1.68	0.12	
60	172	166	158	148	137	124	109	95.3	81.7	67.1	52.1	36.5	23.3	14.4	9.15	4.78	1.35	0.12	
65	132	128	122	114	106	96.1	84.7	73.2	62.4	50.4	37.6	25.4	16.0	9.95	6.69	3.55	1.00	0.12	
70	95.1	91.8	87.0	81.3	75.3	68.3	59.6	51.0	42.7	33.7	23.6	15.0	9.82	6.36	4.50	2.51	0.83	0.12	
75	61.3	58.3	54.2	49.5	45.5	40.8	35.2	29.6	23.8	17.6	11.9	7.95	5.41	3.85	2.73	1.65	0.73	0.12	
80	31.7	29.3	26.4	23.3	21.0	18.5	15.2	11.5	8.32	5.98	4.35	3.21	2.56	1.98	1.50	1.06	0.62	0.12	
85	9.81	8.32	6.78	5.16	3.95	2.89	2.31	1.92	1.72	1.52	1.28	1.06	0.94	0.87	0.84	0.81	0.47	0.12	
90	0.56	0.45	0.41	0.38	0.35	0.32	0.30	0.28	0.28	0.28	0.28	0.29	0.31	0.33	0.42	0.51	0.32	0.12	

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-ASYMETRYK