

Floodlight Summary:

Report based on lamp delivering 1000 lumens.

Maximum Intensity	895.8 cd per klm.
(Luminaire orientation as tested.)	0.0 degrees vertical
	0.0 degrees horizontal

Beam Spread	At 10% of Imax	115.1V x 115.2H
	At 50% of Imax	52.6V x 52.2H
	At 90% of Imax	18.8V x 18.5H

Beam Flux	Total	1000.1 lumens per klm.
	To 10% of Imax	937.4 lumens per klm.
	To 50% of Imax	414.7 lumens per klm.
	To 90% of Imax	71.6 lumens per klm.

Upward LOR	0.0 %
Downward LOR	100.0 %

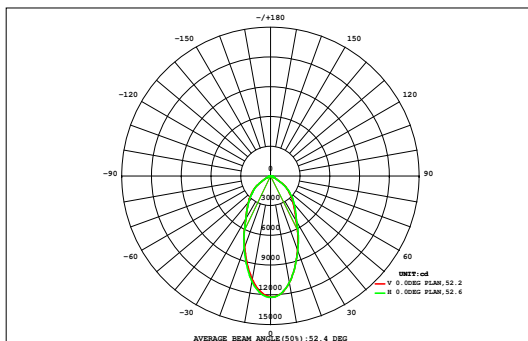
Luminaire Efficiency (Light Output Ratio)	100.0 %
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C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature: 20DEG
Operators: LITPA
Test Date: 11/05/2021

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-100WATT-60°

LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:230.54V I:0.4571A P:101.34W PF:0.9617 Freq:50.01Hz Lamp Flux:13711.1x1 lm		
NAME: KYH-Midi	TYPE:OUTDOOR	WEIGHT:5.2kg
SPEC.:100 WATT	DIM.: 262X430X50	SERIAL No.:
MFR.: LITPA AYDINLATMA	SUR.:	Shielding Angle:



DATA OF LAMP		Eff:135.30lm/W	
MODEL	KYH-Midi	Imax (cd)	12283
NOMINAL POWER (W)	100	AVAILABILITY (%)	93.8
RATED VOLTAGE (V)	230.0	Avai. FLUX (lm)	12854
NOMINAL FLUX (lm)	13711.1	LOR (%)	100.0
LAMPS INSIDE	1	TOTAL FLUX (lm)	13711
TEST VOLTAGE (V)	230	θ @50% (H,V)	52,53DEG

VERTICAL (DEG)	AREA FLUX DIAGRAM																UNIT:lm		Φ t	Φ a
	0.00	0.03	0.08	0.17	0.29	0.45	0.62	0.75	0.81	0.77	0.66	0.53	0.39	0.26	0.14	0.07	0.04	0.01	6.07	0.00
90	0.01	0.11	0.42	1.00	1.81	2.81	3.80	4.44	4.68	4.67	4.27	3.33	2.27	1.54	0.95	0.40	0.11	0.01	36.6	0.00
80	0.02	0.27	1.09	2.51	4.44	6.63	9.07	11.5	13.2	13.0	11.2	8.72	6.07	3.85	2.31	1.08	0.27	0.02	95.3	0.00
70	0.03	0.49	1.90	4.30	8.16	16.9	30.3	41.8	48.0	47.4	40.4	28.3	15.1	7.37	3.90	1.89	0.50	0.03	297	169
60	0.05	0.72	2.73	6.62	19.9	42.6	61.7	77.1	84.9	84.4	76.1	60.2	39.6	17.4	6.02	2.67	0.74	0.05	583	529
50	0.07	0.94	3.50	12.1	36.8	63.0	86.9	111	125	124	110	85.7	60.6	33.7	10.7	3.42	0.95	0.06	870	833
40	0.08	1.11	4.29	20.0	50.2	80.7	119	162	190	188	159	117	77.6	47.1	18.1	4.19	1.12	0.08	1239	1211
30	0.09	1.24	5.17	26.4	58.9	96.5	153	223	276	272	217	149	92.6	56.1	24.7	4.93	1.23	0.09	1658	1633
20	0.10	1.30	5.84	29.8	63.4	106	176	270	345	340	260	169	102	61.2	27.9	5.42	1.27	0.09	1963	1941
10	0.10	1.31	5.88	30.1	64.3	107	177	272	346	341	262	172	104	62.4	28.0	5.43	1.27	0.09	1980	1958
0	0.10	1.26	5.27	27.0	60.5	99.0	156	227	280	276	220	152	96.5	58.6	25.0	4.94	1.21	0.08	1692	1667
-10	0.09	1.15	4.39	20.3	52.1	85.1	125	169	197	196	165	122	83.1	49.9	18.5	4.20	1.09	0.07	1294	1266
-20	0.07	0.98	3.57	12.0	38.0	66.8	92.9	119	133	132	117	91.6	65.0	35.9	11.0	3.46	0.91	0.06	923	888
-30	0.06	0.76	2.78	6.75	19.7	44.2	66.1	84.1	93.0	92.7	83.5	64.7	42.1	18.3	6.49	2.69	0.69	0.04	629	575
-40	0.04	0.52	1.93	4.44	8.20	16.7	30.1	43.0	50.1	49.9	42.4	28.9	15.8	7.92	4.32	1.84	0.45	0.03	307	183
-50	0.03	0.30	1.10	2.56	4.51	6.86	9.27	11.7	13.2	13.1	11.5	9.08	6.71	4.38	2.45	1.01	0.23	0.01	97.9	0.00
-60	0.02	0.14	0.42	0.97	1.73	2.73	3.75	4.45	4.68	4.64	4.36	3.64	2.62	1.64	0.88	0.34	0.07	0.01	37.1	0.00
-70	0.02	0.06	0.10	0.15	0.25	0.37	0.50	0.60	0.64	0.63	0.56	0.44	0.31	0.19	0.10	0.04	0.01	0.00	4.99	0.00
-80	0.02	0.06	0.10	0.15	0.25	0.37	0.50	0.60	0.64	0.63	0.56	0.44	0.31	0.19	0.10	0.04	0.01	0.00	4.99	0.00
-90	0.02	0.06	0.10	0.15	0.25	0.37	0.50	0.60	0.64	0.63	0.56	0.44	0.31	0.19	0.10	0.04	0.01	0.00	4.99	0.00
HORIZONTAL (DEG)																				
Φ t	0.99	12.7	50.5	207	493	844	1301	1832	2205	2180	1786	1265	813	468	191	48.0	12.2	0.85	13711	---
Φ a	0.00	0.00	0.00	123	433	788	1246	1779	2151	2126	1732	1211	756	406	104	0.00	0.00	0.00	---	12854

one-half-peak spread: U:26.6,D:26.4 , L:25.6,R:27.0

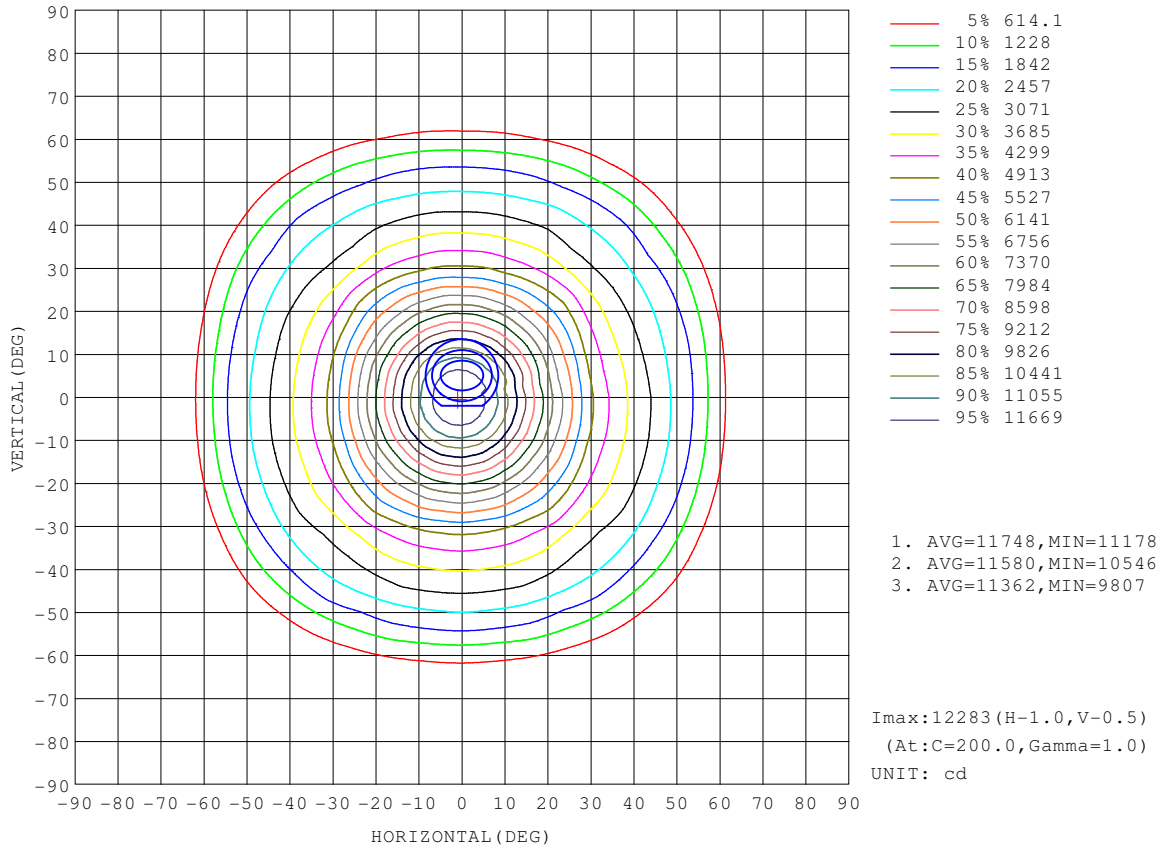
NEMA Beam Type: Type 6

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-100WATT-60°

ISOCANDELA DIAGRAM

Test:U:230.54V I:0.4571A P:101.34W PF:0.9617 Freq:50.01Hz Lamp Flux:13711.1x1 lm		
NAME: KYH-Midi	TYPE:OUTDOOR	WEIGHT:5.2kg
SPEC.:100 WATT	DIM.: 262X430X50	SERIAL No.:
MFR.: LITPA AYDINLATMA	SUR.:	Shielding Angle:

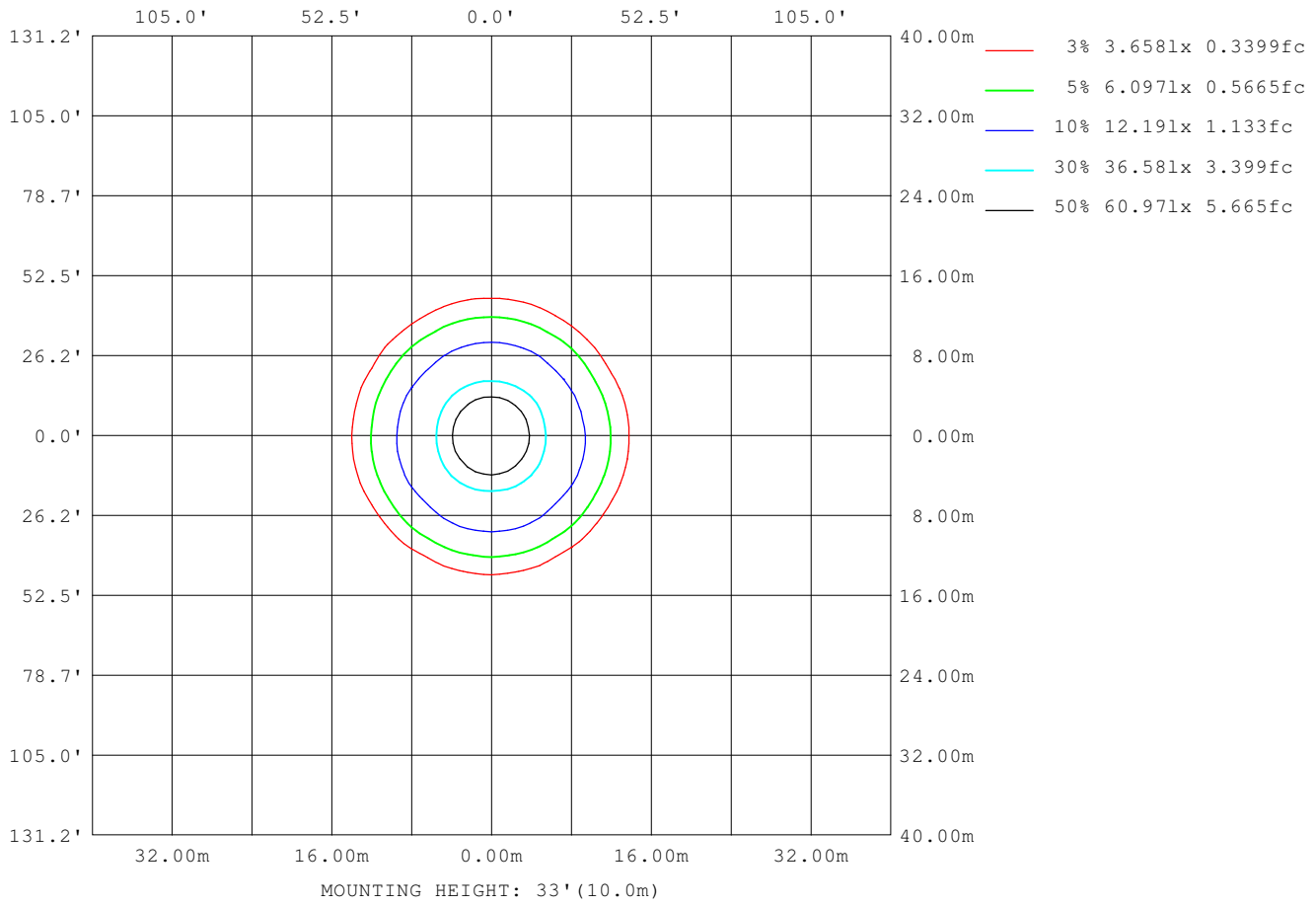


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C Interval: 10.0DEG
Test Speed: HIGH
Temperature: 20DEG
Operators: LITPA
Test Date: 11/05/2021

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Test System: EVERFINE GO-2000B_V1 SYSTEM V2.0.400
Humidity: 65.0%
Test Distance: 7.200m [K=1.0000]
Remarks: KYH-100WATT-60°

ISOLUX DIAGRAM

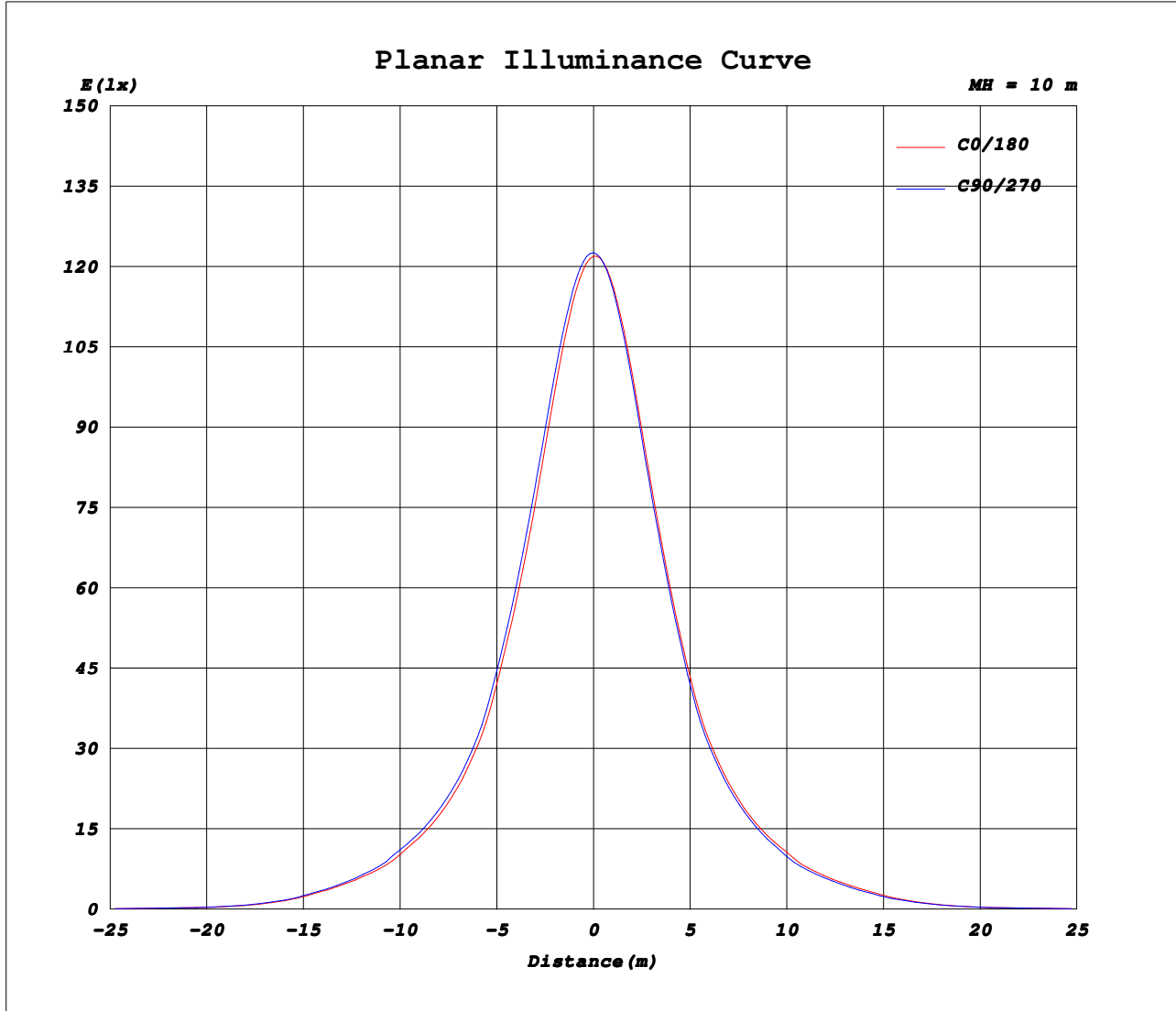
Test:U:230.54V I:0.4571A P:101.34W PF:0.9617 Freq:50.01Hz Lamp Flux:13711.1x1 lm		
NAME: KYH-Midi	TYPE:OUTDOOR	WEIGHT:5.2kg
SPEC.:100 WATT	DIM.: 262X430X50	SERIAL No.:
MFR.: LITPA AYDINLATMA	SUR.:	Shielding Angle:



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%
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Planar Illuminance Curve

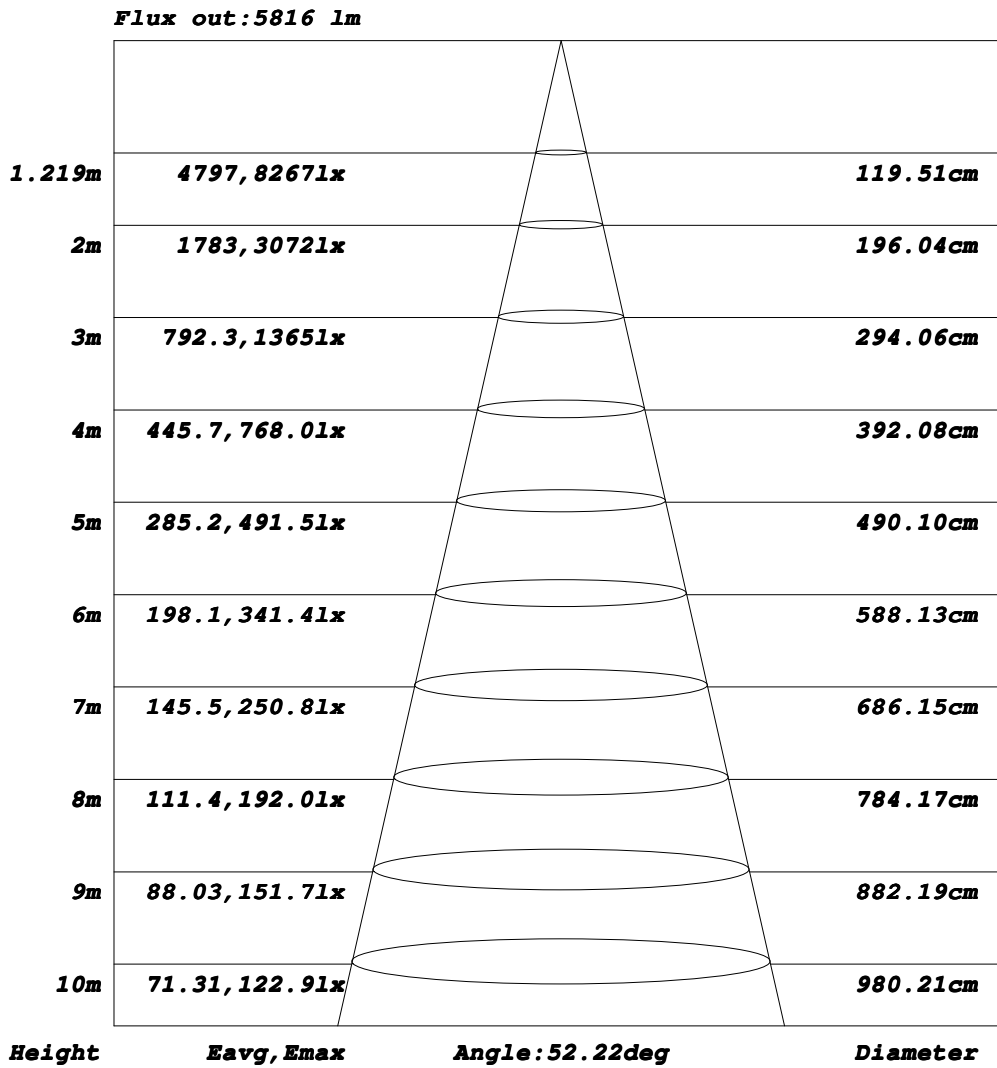


C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature: 20DEG
Operators: LITPA
Test Date: 11/05/2021

γ Range: 0 - 90DEG
 γ Interval: 1.0DEG
Test System: EVERFINE GO-2000B_V1 SYSTEM V2.0.400
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Test Distance: 7.200m [K=1.0000]
Remarks: KYH-100WATT-60°

AAI Figure

Test:U:230.54V I:0.4571A P:101.34W PF:0.9617 Freq:50.01Hz Lamp Flux:13711.1x1 lm		
NAME: KYH-Midi	TYPE:OUTDOOR	WEIGHT:5.2kg
SPEC.:100 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-100WATT-60°

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:230.54V I:0.4571A P:101.34W PF:0.9617 Freq:50.01Hz Lamp Flux:13711.1x1 lm		
NAME: KYH-Midi	TYPE:OUTDOOR	WEIGHT:5.2kg
SPEC.:100 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	0.08	0.42	0.76	0.61	0.46	0.34	0.22	0.19	0.16	0.14	0.12	0.11	0.10	0.09	0.09	0.08	0.08	0.07	0.07
-85	0.08	0.50	0.92	0.81	0.69	0.64	0.64	0.69	0.74	0.85	0.94	1.01	1.09	1.20	1.29	1.32	1.33	1.37	1.39
-80	0.08	0.57	1.00	1.07	1.19	1.46	1.83	2.27	2.74	3.33	3.96	4.53	5.13	5.79	6.40	6.63	6.73	6.86	6.90
-75	0.08	0.62	1.22	1.60	2.15	3.03	4.10	5.30	6.45	7.77	9.15	10.6	12.0	13.3	14.4	14.9	15.0	15.3	15.4
-70	0.08	0.65	1.55	2.41	3.64	5.38	7.43	9.52	11.5	13.7	16.3	18.6	20.7	22.5	24.2	24.9	25.0	24.9	24.5
-65	0.08	0.71	1.95	3.46	5.57	8.25	11.4	14.5	17.6	20.8	24.2	27.4	30.1	32.7	35.0	36.8	38.0	39.0	39.5
-60	0.08	0.84	2.46	4.71	7.73	11.4	15.6	19.9	23.9	28.1	32.7	37.3	42.7	49.8	59.3	69.1	76.9	82.7	85.3
-55	0.08	0.97	3.03	6.10	10.0	14.7	19.9	25.1	30.5	36.2	44.4	60.0	82.6	107	130	149	162	170	174
-50	0.08	1.10	3.62	7.56	12.3	17.9	24.0	30.7	38.0	50.6	77.9	116	151	178	202	223	235	242	246
-45	0.08	1.24	4.20	9.03	14.6	21.1	28.3	36.4	51.5	86.9	134	179	218	244	268	294	305	312	316
-40	0.08	1.36	4.85	10.4	16.7	24.1	32.5	44.5	79.9	136	185	232	264	292	321	345	360	369	373
-35	0.08	1.49	5.46	11.7	18.8	26.8	36.7	59.2	119	178	227	269	301	333	372	402	424	436	442
-30	0.08	1.63	6.03	12.7	20.5	29.6	42.5	82.8	157	211	268	305	340	386	437	475	506	522	530
-25	0.08	1.74	6.51	13.7	21.9	32.4	50.6	110	187	240	297	342	387	450	523	576	625	653	665
-20	0.08	1.84	6.94	14.5	23.0	34.8	61.2	135	208	260	319	370	431	511	598	676	742	788	804
-15	0.08	1.90	7.26	15.0	23.8	36.7	72.7	157	224	279	337	394	466	567	672	773	867	934	953
-10	0.08	1.94	7.47	15.4	24.3	38.0	81.7	170	234	295	351	415	496	610	739	867	986	1068	1093
-5	0.08	1.96	7.58	15.6	24.5	38.9	87.3	176	238	301	358	428	516	646	785	931	1071	1165	1192
0	0.08	1.94	7.58	15.6	24.4	39.0	89.2	178	239	303	359	429	517	652	798	951	1095	1192	1219
5	0.08	1.93	7.53	15.5	24.4	38.6	86.7	175	235	297	353	422	508	636	778	928	1066	1161	1187
10	0.08	1.89	7.36	15.2	24.1	37.5	80.6	167	228	286	342	407	487	604	728	857	979	1063	1082
15	0.08	1.82	7.10	14.7	23.5	35.8	71.2	153	218	273	328	385	455	552	659	761	854	918	934
20	0.08	1.73	6.73	14.1	22.5	33.9	59.9	133	203	255	308	357	415	497	582	657	725	770	780
25	0.08	1.61	6.26	13.2	21.2	31.6	50.0	110	182	232	281	323	369	432	498	554	597	629	634
30	0.08	1.47	5.73	12.1	19.7	29.1	42.1	84.4	154	203	250	286	320	364	412	451	478	499	501
35	0.08	1.30	5.12	11.0	18.1	26.4	36.3	60.7	119	171	216	254	281	311	350	378	399	413	414
40	0.08	1.15	4.46	9.77	16.2	23.7	32.0	44.3	81.0	134	182	220	246	271	298	319	334	343	344
45	0.08	1.01	3.77	8.43	14.1	20.8	27.8	35.3	50.9	89.1	135	172	204	223	246	263	275	281	280
50	0.08	0.85	3.13	7.04	12.0	17.7	23.5	29.6	36.9	51.8	81.1	117	148	172	192	209	218	223	224
55	0.08	0.70	2.50	5.65	9.80	14.4	19.4	24.3	29.6	35.5	44.3	61.0	85.1	111	129	146	159	164	164
60	0.08	0.56	1.91	4.28	7.57	11.3	15.1	19.2	23.3	27.6	31.5	35.8	42.4	51.3	60.7	71.2	81.1	85.4	85.4
65	0.08	0.41	1.36	3.04	5.47	8.24	11.2	14.2	17.4	20.5	23.4	26.3	29.2	31.5	33.4	35.2	37.1	37.8	37.8
70	0.08	0.33	0.94	1.99	3.54	5.42	7.43	9.52	11.6	13.8	16.2	18.3	20.4	22.0	23.2	23.9	24.2	24.1	23.6
75	0.08	0.29	0.59	1.17	2.01	3.04	4.21	5.54	6.82	8.13	9.48	11.0	12.5	13.6	14.3	14.9	15.2	15.3	15.2
80	0.08	0.23	0.35	0.62	0.99	1.41	1.86	2.50	3.17	3.76	4.37	5.13	5.94	6.52	7.01	7.38	7.65	7.68	7.60
85	0.08	0.17	0.24	0.30	0.39	0.48	0.61	0.75	0.92	1.06	1.18	1.36	1.55	1.66	1.77	1.94	2.08	2.06	2.01
90	0.08	0.10	0.11	0.12	0.13	0.14	0.15	0.15	0.15	0.16	0.16	0.16	0.16	0.16	0.16	0.16	0.15	0.14	0.14

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Test System: EVERFINE GO-2000B_V1 SYSTEM V2.0.400
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Test Distance: 7.200m [K=1.0000]
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NAME: KYH-Midi	TYPE:OUTDOOR	WEIGHT:5.2kg
SPEC.:100 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	0.07	0.07	0.06	0.06	0.06	0.06	0.06	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	
-85	1.32	1.23	1.18	1.11	1.00	0.87	0.78	0.69	0.59	0.47	0.39	0.34	0.28	0.22	0.17	0.14	0.10	0.05	
-80	6.77	6.54	6.38	6.07	5.41	4.73	4.17	3.60	2.95	2.36	1.87	1.36	0.91	0.57	0.36	0.23	0.14	0.05	
-75	15.2	14.8	14.6	14.1	12.9	11.6	10.2	8.76	7.32	5.96	4.81	3.63	2.47	1.45	0.79	0.38	0.19	0.05	
-70	24.7	24.6	24.5	23.8	22.1	20.2	18.1	15.7	13.1	10.9	8.90	6.84	4.74	2.95	1.54	0.64	0.23	0.05	
-65	38.8	37.8	36.4	34.6	32.1	29.5	26.7	23.5	20.2	16.9	13.8	10.7	7.57	4.82	2.64	1.04	0.28	0.05	
-60	82.0	75.6	67.3	57.2	48.0	41.3	36.5	32.0	27.5	23.2	19.2	14.8	10.7	6.95	3.84	1.53	0.36	0.05	
-55	170	160	147	127	102	77.8	56.5	42.6	35.3	29.9	24.5	19.2	13.9	9.25	5.19	2.19	0.44	0.05	
-50	242	234	222	198	172	144	109	71.8	47.6	37.0	30.0	23.5	17.2	11.5	6.64	2.83	0.56	0.05	
-45	311	303	292	264	237	211	170	125	78.6	48.3	35.5	27.6	20.4	13.8	8.10	3.43	0.70	0.05	
-40	368	358	343	320	288	258	224	175	127	72.3	42.4	31.8	23.4	15.9	9.48	4.10	0.83	0.05	
-35	434	421	398	368	329	295	262	218	168	108	54.1	35.7	26.1	17.9	10.7	4.72	0.97	0.05	
-30	519	500	467	431	380	333	298	258	202	145	74.2	40.3	28.8	19.7	11.9	5.32	1.12	0.05	
-25	648	615	564	512	441	378	334	289	230	175	99.1	46.7	31.3	21.2	12.9	5.85	1.24	0.05	
-20	780	727	659	582	501	420	362	312	251	197	122	55.2	33.5	22.3	13.7	6.32	1.35	0.05	
-15	921	847	751	652	555	453	384	329	269	213	143	64.7	35.2	23.2	14.4	6.68	1.43	0.05	
-10	1051	958	837	713	595	480	404	343	282	224	156	72.5	36.5	23.8	14.9	6.94	1.49	0.05	
-5	1144	1038	895	755	627	499	416	350	290	229	163	77.2	37.3	24.1	15.1	7.09	1.53	0.05	
0	1172	1062	915	766	632	501	417	350	291	231	166	78.5	37.6	24.0	15.2	7.13	1.54	0.05	
5	1144	1040	896	745	615	485	409	342	285	227	163	77.0	37.3	24.2	15.2	7.13	1.55	0.05	
10	1045	954	831	701	583	465	389	332	271	218	155	72.1	36.4	24.0	15.0	7.03	1.53	0.05	
15	904	835	740	642	541	439	366	314	259	208	142	64.2	35.1	23.5	14.6	6.82	1.49	0.05	
20	761	711	641	569	489	403	342	294	240	191	121	54.6	33.6	22.7	14.0	6.50	1.42	0.05	
25	623	586	541	486	425	359	312	268	218	169	98.1	46.0	31.4	21.5	13.2	6.08	1.34	0.05	
30	495	470	442	406	359	313	276	236	189	139	73.9	39.4	28.7	20.0	12.3	5.59	1.23	0.05	
35	411	394	374	346	306	276	245	202	158	104	53.1	34.5	25.9	18.4	11.2	5.01	1.09	0.05	
40	341	331	316	297	268	240	209	166	119	68.6	40.1	30.3	23.3	16.4	10.0	4.41	0.97	0.05	
45	279	272	259	242	218	196	159	121	76.1	44.5	32.8	26.0	20.6	14.4	8.66	3.77	0.86	0.05	
50	222	215	205	187	165	138	104	70.2	45.4	33.8	27.1	22.1	17.8	12.2	7.19	3.18	0.73	0.05	
55	162	154	141	122	103	76.0	54.0	40.0	32.8	26.9	21.6	18.5	14.5	9.90	5.74	2.55	0.62	0.05	
60	83.8	78.1	67.7	57.0	47.7	39.7	33.7	29.1	25.0	20.6	17.4	14.7	11.3	7.56	4.35	1.92	0.55	0.05	
65	37.7	36.8	34.9	32.9	30.7	27.8	24.1	20.7	17.6	15.0	13.1	11.0	8.14	5.40	3.10	1.44	0.47	0.05	
70	24.2	24.4	23.7	22.7	20.7	18.4	15.6	13.2	11.3	10.2	9.12	7.27	5.26	3.47	1.98	1.06	0.42	0.05	
75	15.2	15.1	14.2	13.0	11.6	9.96	8.42	7.26	7.01	6.41	5.29	3.98	2.87	1.89	1.20	0.80	0.39	0.05	
80	7.45	7.18	6.55	5.91	5.40	4.90	4.45	3.96	3.48	2.91	2.24	1.64	1.24	0.92	0.72	0.64	0.36	0.05	
85	1.94	1.85	1.70	1.54	1.44	1.32	1.15	0.99	0.87	0.75	0.62	0.52	0.46	0.43	0.51	0.57	0.30	0.05	
90	0.13	0.13	0.12	0.12	0.11	0.11	0.10	0.10	0.10	0.10	0.12	0.14	0.17	0.20	0.33	0.45	0.25	0.05	

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-100WATT-60°