

Floodlight Summary:

Report based on lamp delivering 1000 lumens.

Maximum Intensity	2690.0 cd per klm.
(Luminaire orientation as tested.)	0.0 degrees vertical
	0.0 degrees horizontal

Beam Spread	At 10% of Imax	57.4V x 59.7H
	At 50% of Imax	25.1V x 26.5H
	At 90% of Imax	9.0V x 9.7H

Beam Flux	Total	1000.5 lumens per klm.
	To 10% of Imax	697.8 lumens per klm.
	To 50% of Imax	297.4 lumens per klm.
	To 90% of Imax	49.0 lumens per klm.

Upward LOR	0.0 %
Downward LOR	100.0 %

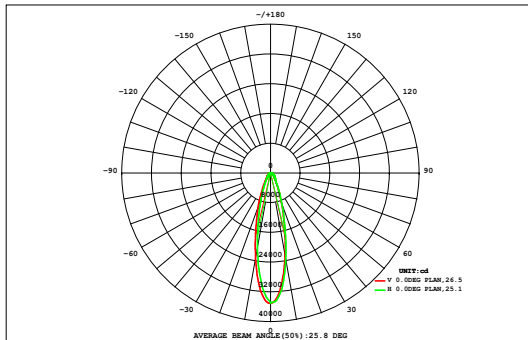
Luminaire Efficiency (Light Output Ratio)	100.0 %
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C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature: 20DEG
Operators: LITPA
Test Date: 12/05/2021

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-X1625D 30°

LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:230.53V I:0.4457A P:98.722W PF:0.9609 Freq:50.01Hz Lamp Flux:13046.6x1 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:132.16lm/W	
MODEL	KYH-Midi	Imax (cd)	35096
NOMINAL POWER (W)	100	AVAILABILITY (%)	69.7
RATED VOLTAGE (V)	230.0	Avai. FLUX (lm)	9097
NOMINAL FLUX (lm)	13046.6	LOR (%)	100.0
LAMPS INSIDE	1	TOTAL FLUX (lm)	13047
TEST VOLTAGE (V)	230	θ @50% (H,V)	27,25DEG

VERTICAL (DEG)	AREA FLUX DIAGRAM																UNIT:lm		Φ t	Φ a
	0.00	0.02	0.07	0.16	0.29	0.46	0.62	0.76	0.82	0.72	0.54	0.39	0.27	0.16	0.08	0.04	0.02	0.00	5.41	0.00
90	0.01	0.09	0.39	1.04	2.00	3.13	4.27	5.17	5.60	5.31	4.48	3.51	2.50	1.57	0.74	0.24	0.07	0.01	40.1	0.00
80	0.02	0.24	1.13	2.81	5.16	7.81	10.5	12.6	13.6	13.2	11.6	9.42	6.93	4.56	2.41	0.86	0.19	0.02	103	0.00
70	0.03	0.49	2.15	5.06	9.10	13.6	18.2	21.7	23.4	22.9	20.5	16.9	12.6	8.41	4.66	1.83	0.37	0.03	182	0.00
60	0.04	0.78	3.24	7.56	13.4	20.1	26.8	32.0	34.7	34.0	30.7	25.7	19.2	12.7	7.15	2.90	0.59	0.04	272	0.00
50	0.06	1.06	4.30	10.0	17.8	27.3	38.9	51.2	59.2	56.7	47.8	37.3	26.7	17.3	9.71	3.91	0.84	0.06	410	0.00
40	0.08	1.31	5.21	12.2	21.9	35.9	62.4	105	140	130	95.1	59.9	35.9	22.0	11.9	4.79	1.14	0.08	744	317
30	0.09	1.50	5.89	13.7	25.0	46.2	104	229	376	339	208	102	47.4	25.7	13.7	5.66	1.42	0.09	1545	1281
20	0.09	1.60	6.27	14.6	26.9	54.4	145	395	785	725	382	153	58.3	28.4	15.1	6.35	1.63	0.11	2799	2568
10	0.10	1.60	6.31	14.7	27.1	55.1	149	414	841	821	424	165	61.0	29.1	15.4	6.53	1.69	0.11	3033	2803
0	0.09	1.52	5.99	14.0	25.5	48.2	115	269	454	417	255	119	51.8	27.3	14.6	6.21	1.60	0.10	1825	1574
-10	0.08	1.35	5.36	12.6	22.9	38.8	72.2	131	177	166	122	72.1	40.4	23.9	12.9	5.52	1.42	0.09	904	555
-20	0.06	1.10	4.46	10.6	19.3	30.1	45.0	62.5	72.5	69.7	59.1	44.4	30.4	19.5	10.7	4.53	1.16	0.07	485	0.00
-30	0.04	0.81	3.39	8.19	14.8	22.6	30.7	37.5	40.4	39.8	36.5	30.1	22.2	14.5	8.05	3.39	0.84	0.05	314	0.00
-40	0.03	0.51	2.26	5.59	10.2	15.6	21.0	25.3	27.0	26.6	24.3	20.0	14.9	9.68	5.37	2.22	0.52	0.03	211	0.00
-50	0.02	0.26	1.21	3.13	5.81	9.08	12.3	14.9	15.8	15.3	13.8	11.2	8.28	5.32	2.89	1.14	0.25	0.02	121	0.00
-60	0.01	0.09	0.42	1.15	2.26	3.62	4.98	6.02	6.26	5.92	5.25	4.19	3.01	1.88	0.97	0.37	0.08	0.01	46.5	0.00
-70	0.00	0.02	0.07	0.17	0.32	0.50	0.69	0.80	0.77	0.66	0.56	0.44	0.31	0.20	0.11	0.05	0.01	0.00	5.69	0.00
-80	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
-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	0.84	14.4	58.1	137	250	433	861	1813	3073	2889	1741	875	442	252	136	56.5	13.8	0.90	13047	---
Φ a	0.00	0.00	0.00	0.00	0.00	0.00	432	1474	2749	2560	1402	481	0.00	0.00	0.00	0.00	0.00	0.00	---	9097

one-half-peak spread: U:13.5,D:11.8 , L:13.1,R:13.6

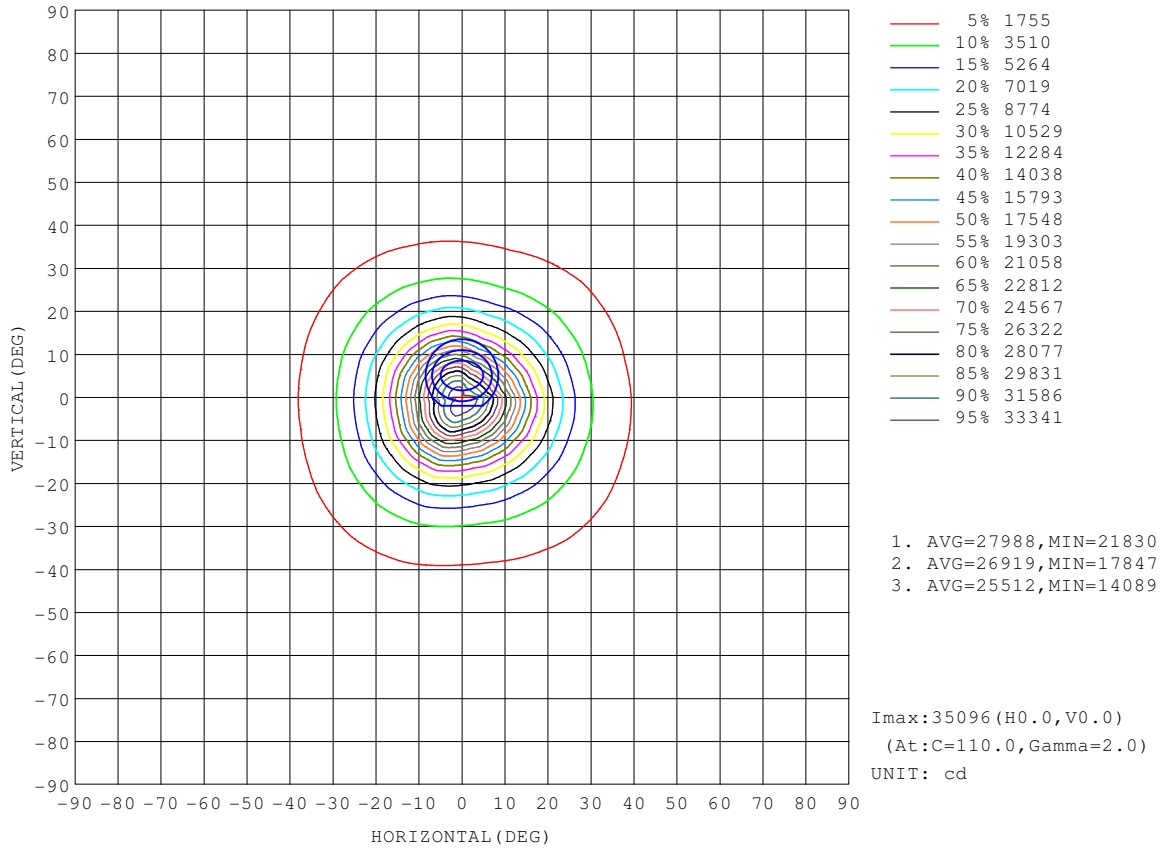
NEMA Beam Type: Type 4

C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature: 20DEG
Operators: LITPA
Test Date: 12/05/2021

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-X1625D 30°

ISOCANDELA DIAGRAM

Test:U:230.53V I:0.4457A P:98.722W PF:0.9609 Freq:50.01Hz Lamp Flux:13046.6x1 lm		
NAME: KYH-Midi	TYPE:OUTDOOR	WEIGHT:5.2kg
SPEC.:100 WATT	DIM.: 262X430X50	SERIAL No.:
MFR.: LITPA AYDINLATMA	SUR.:	Shielding Angle:

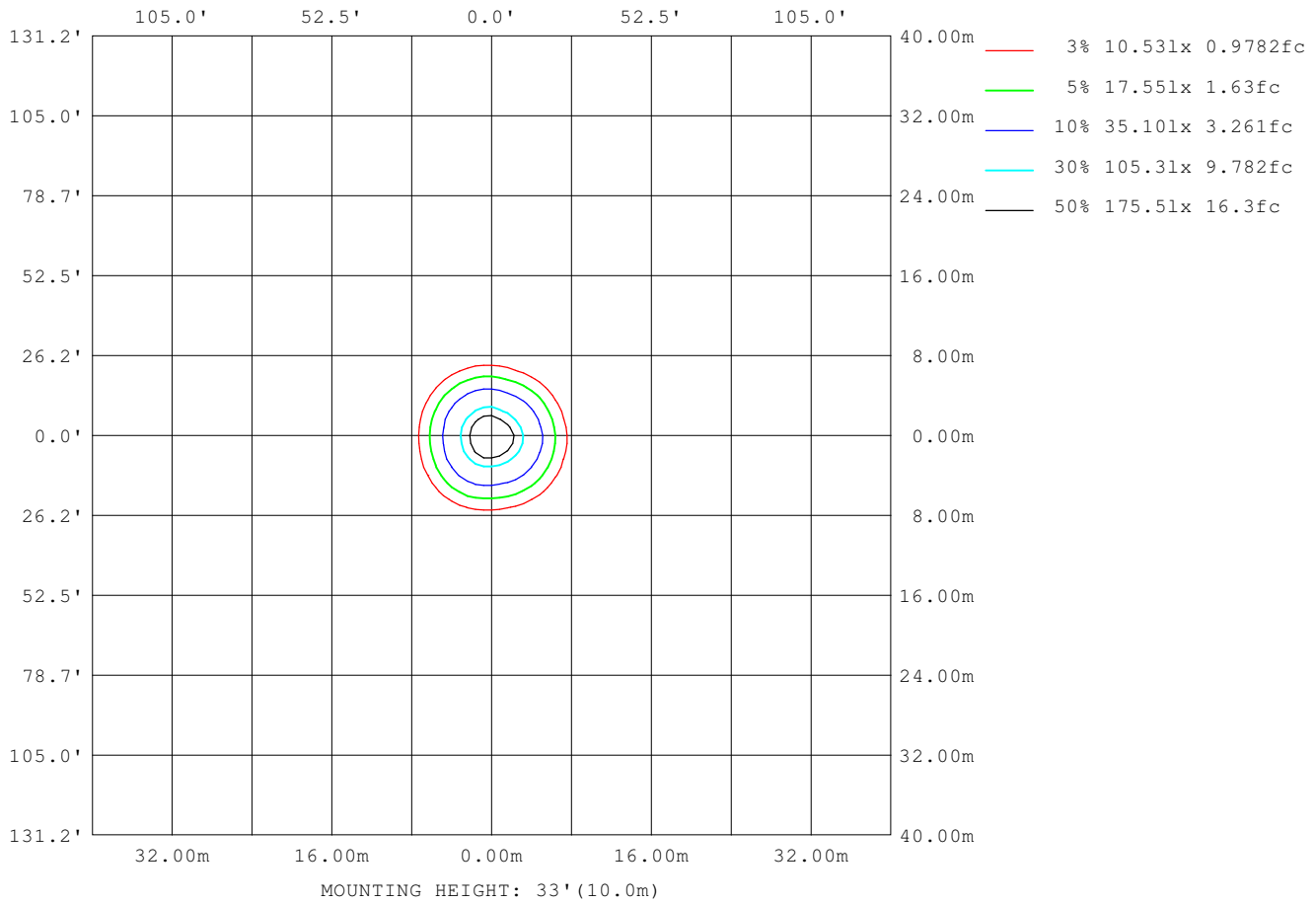


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C Interval: 10.0DEG
Test Speed: HIGH
Temperature:20DEG
Operators:LITPA
Test Date:12/05/2021

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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-X1625D 30°

ISOLUX DIAGRAM

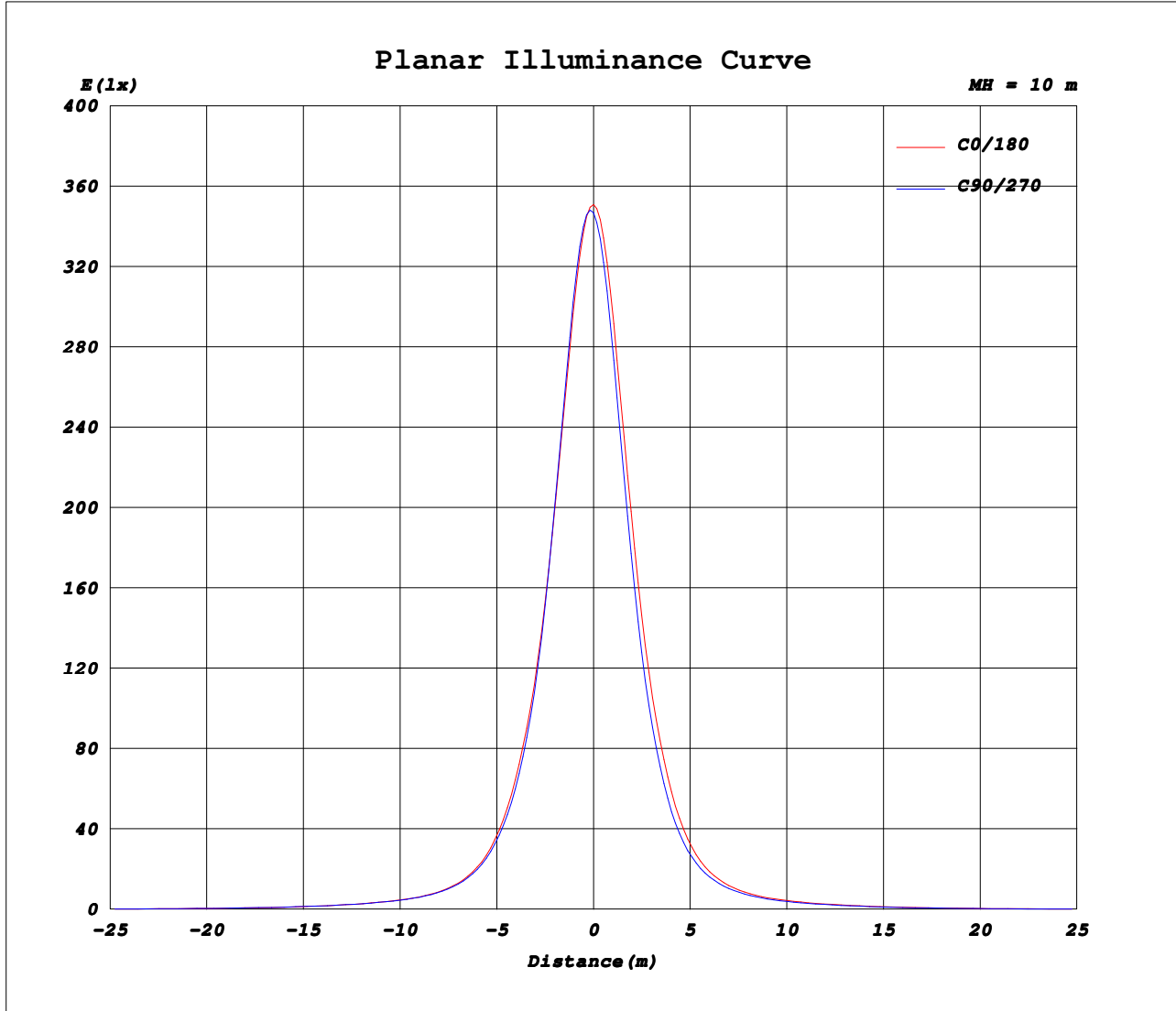
Test:U:230.53V I:0.4457A P:98.722W PF:0.9609 Freq:50.01Hz Lamp Flux:13046.6x1 lm		
NAME: KYH-Midi	TYPE:OUTDOOR	WEIGHT:5.2kg
SPEC.:100 WATT	DIM.: 262X430X50	SERIAL No.:
MFR.: LITPA AYDINLATMA	SUR.:	Shielding Angle:



C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature: 20DEG
Operators: LITPA
Test Date: 12/05/2021

γ Range: 0 - 90DEG
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Planar Illuminance Curve

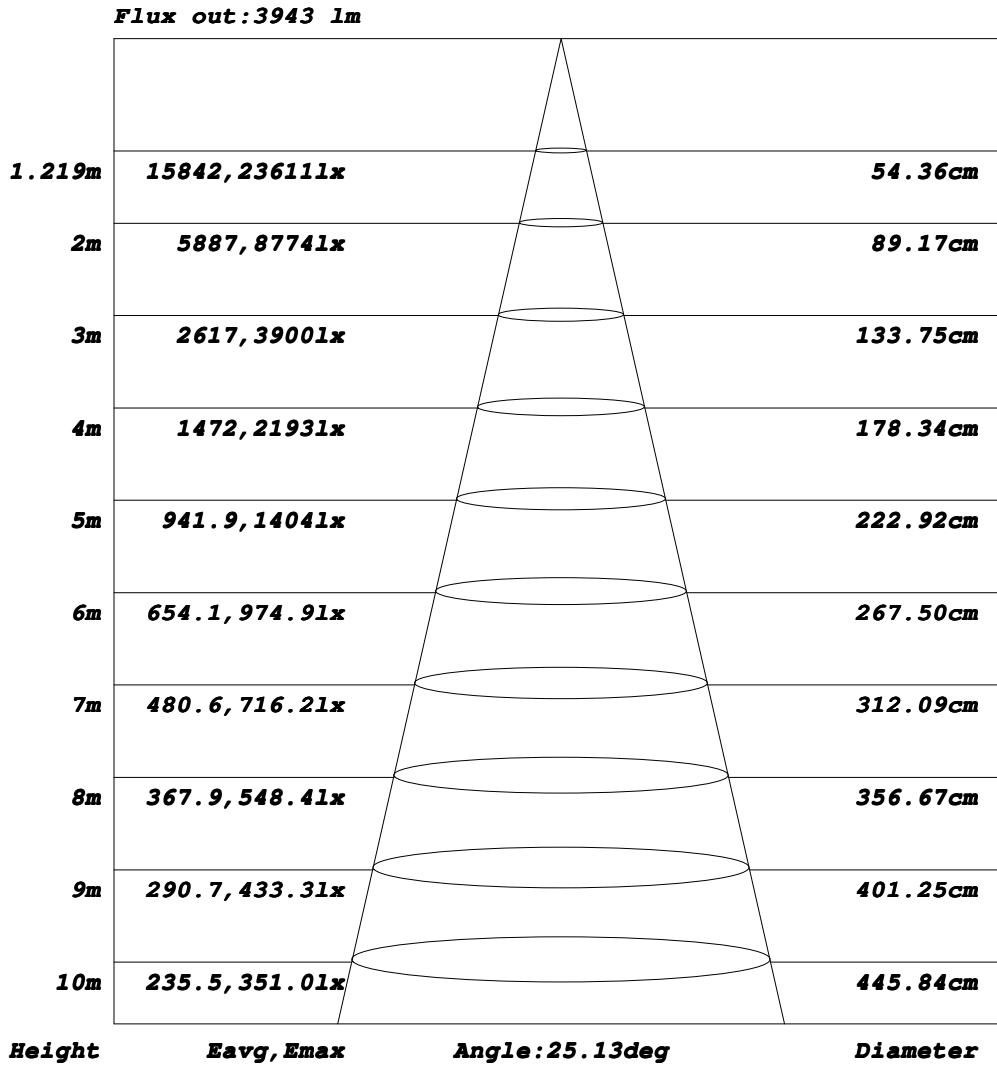


C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature: 20DEG
Operators: LITPA
Test Date: 12/05/2021

γ Range: 0 - 90DEG
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AAI Figure

Test:U:230.53V I:0.4457A P:98.722W PF:0.9609 Freq:50.01Hz Lamp Flux:13046.6x1 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:12/05/2021

γ Range: 0 - 90DEG
γ Interval: 1.0DEG
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LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:230.53V I:0.4457A P:98.722W PF:0.9609 Freq:50.01Hz Lamp Flux:13046.6x1 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: μ 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	0.06	0.08	0.10	0.10	0.10	0.10	0.11	0.11	0.12	0.12	0.12	0.12	0.12	0.11	0.09	0.08	0.06	0.06	0.06
-85	0.06	0.13	0.21	0.26	0.33	0.45	0.62	0.75	0.90	1.10	1.31	1.44	1.59	1.73	1.86	1.79	1.67	1.51	1.32
-80	0.06	0.18	0.30	0.55	0.87	1.28	1.86	2.58	3.35	4.24	5.24	6.08	6.87	7.67	8.47	8.73	8.80	8.51	8.08
-75	0.06	0.22	0.53	1.02	1.72	2.97	4.56	6.25	8.08	10.2	12.3	14.1	15.8	17.7	19.4	20.1	20.4	20.2	19.7
-70	0.06	0.26	0.84	1.68	3.32	5.63	8.40	11.4	14.5	17.8	21.3	24.4	27.2	30.0	32.6	34.0	34.7	34.7	34.1
-65	0.06	0.32	1.17	2.80	5.48	8.97	13.2	17.6	22.0	26.8	31.6	36.2	40.4	44.4	48.0	50.4	51.7	52.0	51.4
-60	0.06	0.46	1.55	4.19	8.00	12.8	18.5	24.5	30.4	36.4	43.0	49.1	54.8	59.9	64.7	68.1	70.1	70.7	70.2
-55	0.06	0.58	2.18	5.79	10.8	17.0	24.1	31.7	39.3	46.9	55.0	62.6	69.6	75.5	81.6	86.0	88.3	89.1	88.7
-50	0.06	0.71	2.87	7.51	13.8	21.3	29.8	39.1	48.5	57.7	67.0	76.7	85.3	93.3	100	106	108	109	109
-45	0.06	0.83	3.58	9.30	16.8	25.7	35.6	46.4	57.6	68.2	79.2	90.6	101	111	120	127	131	132	131
-40	0.06	0.94	4.36	11.1	19.8	29.7	41.2	53.6	66.0	78.9	91.8	105	118	132	145	157	164	167	165
-35	0.06	1.05	5.10	12.7	22.5	33.6	46.5	60.3	74.2	89.7	104	120	139	161	184	207	226	232	228
-30	0.06	1.15	5.80	14.3	25.0	37.4	51.4	66.4	81.6	98.5	115	135	163	200	246	293	338	352	347
-25	0.06	1.24	6.41	15.6	27.2	40.7	55.7	71.6	88.0	106	125	153	193	253	341	434	525	569	561
-20	0.06	1.32	6.97	16.7	29.0	43.4	59.2	75.9	93.5	112	134	171	231	323	464	640	808	928	917
-15	0.06	1.37	7.41	17.7	30.4	45.5	62.1	79.2	97.6	117	143	187	266	403	614	896	1224	1521	1505
-10	0.06	1.41	7.71	18.3	31.5	47.0	64.3	81.8	101	121	150	202	297	468	764	1188	1755	2308	2365
-5	0.06	1.43	7.89	18.7	32.1	47.9	65.5	83.4	103	124	155	212	319	517	861	1379	2159	2966	3211
0	0.06	1.43	7.92	18.8	32.2	48.2	65.8	83.8	103	125	157	216	327	536	900	1462	2261	3116	3510
5	0.06	1.42	7.85	18.6	31.9	47.7	65.1	82.9	102	123	154	210	313	504	836	1338	2024	2725	2949
10	0.06	1.40	7.64	18.1	31.2	46.5	63.5	80.9	99.8	120	148	198	287	446	699	1063	1516	1956	2050
15	0.06	1.36	7.31	17.4	30.0	44.7	61.0	77.8	96.1	115	140	181	249	361	538	764	1017	1220	1265
20	0.06	1.30	6.85	16.4	28.4	42.4	57.8	74.0	91.2	109	129	160	208	285	393	519	652	746	755
25	0.06	1.22	6.27	15.2	26.5	39.5	54.0	69.3	85.1	102	119	141	175	221	278	347	406	449	447
30	0.06	1.13	5.64	13.8	24.2	36.2	49.6	63.8	77.5	92.7	107	124	147	173	204	238	263	282	279
35	0.06	1.02	4.93	12.2	21.8	32.5	44.5	57.3	69.2	82.6	95.8	109	123	139	155	170	182	190	189
40	0.06	0.91	4.20	10.5	19.1	28.6	39.2	50.2	60.8	71.9	83.7	94.3	105	115	124	132	137	141	140
45	0.06	0.80	3.42	8.85	16.2	24.7	33.6	42.8	52.4	62.0	71.8	80.7	88.9	97.2	104	108	112	113	113
50	0.06	0.68	2.73	7.14	13.3	20.5	27.8	35.6	43.8	52.0	60.0	67.4	74.4	81.3	86.6	90.5	93.4	94.6	94.2
55	0.06	0.56	2.06	5.51	10.4	16.2	22.4	28.5	35.4	42.1	48.5	54.4	60.4	65.5	70.0	73.6	76.3	77.2	76.8
60	0.06	0.43	1.46	3.98	7.69	12.2	17.0	22.0	27.3	32.6	37.6	42.3	47.4	51.7	55.1	58.1	60.3	60.9	60.5
65	0.06	0.30	1.09	2.68	5.29	8.45	12.0	15.8	19.9	23.8	27.4	31.1	34.8	38.0	40.5	42.7	44.5	44.9	44.5
70	0.06	0.24	0.77	1.62	3.25	5.28	7.55	10.3	13.1	15.8	18.3	20.9	23.5	25.6	27.4	28.9	30.2	30.3	30.0
75	0.06	0.20	0.49	0.98	1.71	2.81	4.09	5.65	7.40	9.05	10.6	12.2	13.9	15.2	16.2	17.3	18.1	18.2	17.9
80	0.06	0.16	0.26	0.53	0.86	1.22	1.69	2.38	3.15	3.83	4.55	5.35	6.15	6.73	7.25	7.80	8.24	8.17	7.96
85	0.06	0.11	0.17	0.24	0.33	0.44	0.57	0.71	0.88	1.03	1.16	1.33	1.53	1.63	1.71	1.82	1.91	1.82	1.71
90	0.06	0.06	0.06	0.08	0.09	0.10	0.11	0.12	0.12	0.13	0.14	0.14	0.15	0.15	0.15	0.15	0.14	0.12	0.11

C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature:20DEG
Operators:LITPA
Test Date:12/05/2021

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-X1625D 30°

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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: 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	0.06	0.06	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	
-85	1.24	1.14	1.10	1.05	0.95	0.84	0.77	0.70	0.60	0.48	0.41	0.34	0.25	0.19	0.16	0.13	0.10	0.05	
-80	7.72	7.23	6.86	6.34	5.64	4.95	4.39	3.79	3.08	2.45	1.92	1.39	1.01	0.67	0.42	0.22	0.14	0.05	
-75	19.1	18.2	17.4	16.3	14.7	13.1	11.7	10.2	8.33	6.63	5.20	3.85	2.57	1.53	0.93	0.45	0.19	0.05	
-70	33.4	32.2	30.9	29.1	26.6	24.0	21.5	18.7	15.6	12.8	10.1	7.49	5.13	3.12	1.64	0.80	0.23	0.05	
-65	50.4	48.8	46.9	44.1	40.5	36.7	32.9	28.8	24.4	20.3	16.3	12.2	8.43	5.30	2.81	1.20	0.30	0.05	
-60	69.1	67.2	64.7	60.9	56.1	51.1	45.8	40.1	34.1	28.5	23.2	17.6	12.3	7.87	4.29	1.65	0.45	0.05	
-55	87.6	85.6	82.6	77.9	71.8	66.1	59.5	52.2	44.5	37.6	30.3	23.4	16.7	10.8	5.97	2.34	0.58	0.05	
-50	108	106	103	97.1	90.1	82.3	74.0	64.7	55.8	46.9	38.1	29.2	21.2	13.9	7.80	3.11	0.73	0.05	
-45	130	127	123	117	109	99.3	88.9	77.7	66.8	56.5	45.7	35.2	25.7	17.1	9.70	3.90	0.88	0.05	
-40	162	158	151	141	131	118	104	91.5	78.2	65.6	53.3	41.2	30.1	20.3	11.6	4.76	1.02	0.05	
-35	222	212	196	177	159	139	121	106	90.5	74.4	60.5	46.9	34.3	23.3	13.4	5.56	1.16	0.05	
-30	330	310	273	236	198	166	139	119	101	82.9	67.4	52.2	38.3	26.0	15.0	6.33	1.30	0.05	
-25	527	477	402	328	254	198	159	131	111	90.8	73.4	57.0	41.9	28.3	16.5	7.01	1.42	0.05	
-20	850	733	598	454	330	241	180	142	119	97.9	78.6	61.1	44.9	30.2	17.7	7.61	1.52	0.05	
-15	1364	1109	847	613	423	284	201	153	125	104	82.9	64.4	47.1	31.7	18.7	8.09	1.60	0.05	
-10	2088	1626	1157	786	507	327	222	162	131	107	85.7	66.6	48.7	32.8	19.3	8.43	1.66	0.05	
-5	2839	2138	1428	931	584	360	237	168	133	109	87.2	67.8	49.6	33.4	19.8	8.64	1.69	0.05	
0	3160	2338	1538	978	601	366	238	169	134	110	87.5	68.0	49.8	33.6	19.9	8.71	1.71	0.05	
5	2442	1860	1288	847	536	337	225	163	130	107	85.2	66.1	48.2	32.3	19.0	8.38	1.69	0.05	
10	1708	1336	974	680	456	299	207	153	124	103	81.7	63.1	45.9	30.6	17.8	7.93	1.64	0.05	
15	1078	892	695	513	358	253	185	143	118	97.5	77.2	59.2	42.9	28.4	16.4	7.38	1.58	0.05	
20	670	574	469	368	277	208	162	132	111	91.6	72.9	55.2	39.3	25.8	14.8	6.75	1.50	0.05	
25	411	362	314	259	212	172	141	119	102	84.5	67.8	51.5	36.0	22.8	13.1	6.05	1.39	0.05	
30	263	239	217	190	165	144	123	107	91.5	76.0	62.3	47.2	32.9	19.9	11.2	5.34	1.27	0.05	
35	182	171	159	147	133	120	106	93.6	80.0	67.2	55.4	42.4	29.5	17.7	9.41	4.61	1.14	0.05	
40	137	131	125	119	111	101	91.1	80.7	69.0	58.5	48.0	37.2	25.8	15.4	7.71	3.90	1.01	0.05	
45	111	108	104	99.5	93.2	85.0	77.0	68.3	58.9	49.7	40.5	31.4	22.0	12.8	6.43	3.22	0.87	0.05	
50	92.8	90.1	86.2	82.1	76.7	70.0	63.1	56.2	48.7	41.0	33.3	25.7	18.0	10.3	5.25	2.60	0.73	0.05	
55	75.5	73.1	69.6	65.7	61.2	56.1	50.3	44.7	38.9	32.7	26.3	20.1	13.7	7.86	4.12	2.02	0.59	0.05	
60	59.2	57.1	54.1	50.7	47.2	43.0	38.3	34.0	29.6	24.8	19.8	14.6	9.77	5.57	3.06	1.49	0.46	0.05	
65	43.4	41.7	39.1	36.5	34.0	31.0	27.6	24.2	21.0	17.4	13.5	9.73	6.27	3.65	2.11	1.11	0.32	0.05	
70	29.1	27.9	26.0	24.0	22.3	20.3	17.9	15.6	13.3	11.0	8.15	5.55	3.53	2.12	1.29	0.77	0.26	0.05	
75	17.2	16.2	14.9	13.4	12.3	11.1	9.70	8.27	6.95	5.47	3.87	2.51	1.62	1.00	0.79	0.48	0.21	0.05	
80	7.48	6.89	6.10	5.25	4.75	4.24	3.63	3.00	2.39	1.86	1.27	0.83	0.64	0.50	0.40	0.27	0.17	0.05	
85	1.54	1.35	1.18	1.00	0.93	0.84	0.70	0.58	0.48	0.36	0.30	0.27	0.22	0.20	0.20	0.19	0.12	0.05	
90	0.09	0.07	0.07	0.07	0.07	0.07	0.07	0.08	0.08	0.08	0.08	0.08	0.08	0.09	0.10	0.11	0.08	0.05	

C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature:20DEG
Operators:LITPA
Test Date:12/05/2021

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-X1625D 30°