

Floodlight Summary:

Report based on lamp delivering 1000 lumens.

Maximum Intensity	735.6 cd per klm.
(Luminaire orientation as tested.)	0.0 degrees vertical
	0.0 degrees horizontal

Beam Spread	At 10% of Imax	143.3V x 147.0H
	At 50% of Imax	42.5V x 115.0H
	At 90% of Imax	8.2V x 51.5H

Beam Flux	Total	1000.0 lumens per klm.
	To 10% of Imax	944.1 lumens per klm.
	To 50% of Imax	272.1 lumens per klm.
	To 90% of Imax	27.3 lumens per klm.

Upward LOR	0.0 %
Downward LOR	100.0 %

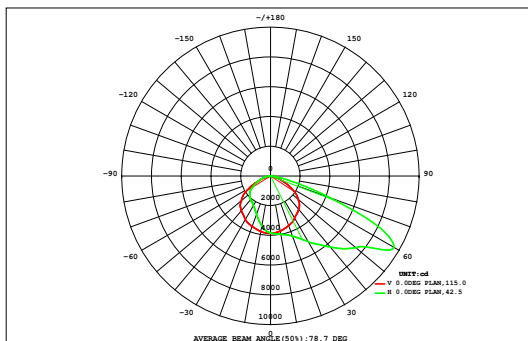
Luminaire Efficiency (Light Output Ratio)	100.0 %
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C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature: 20DEG
Operators: LITPA
Test Date: 12/05/2021

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-ASYMETRYK

LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:230.47V I:0.4787A P:106.44W PF:0.9647 Freq:50.01Hz Lamp Flux:13019x1 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:122.32lm/W	
MODEL	KYH-Midi	Imax(cd)	9577
NOMINAL POWER(W)	100	AVAILABILITY(%)	94.4
RATED VOLTAGE(V)	230.0	Avai. FLUX(lm)	12296
NOMINAL FLUX(lm)	13019	LOR(%)	100.0
LAMPS INSIDE	1	TOTAL FLUX(lm)	13019
TEST VOLTAGE(V)	230	θ @50% (H,V)	115,42DEG

VERTICAL (DEG)	AREA FLUX DIAGRAM																UNIT:lm		Φ t	Φ a
	0.01	0.06	0.20	0.50	0.99	1.62	2.30	2.87	3.07	2.71	2.07	1.47	0.90	0.45	0.23	0.11	0.05	0.01	19.6	0.00
90	0.01	0.06	0.20	0.50	0.99	1.62	2.30	2.87	3.07	2.71	2.07	1.47	0.90	0.45	0.23	0.11	0.05	0.01	19.6	0.00
80	0.02	0.23	1.01	2.67	5.27	8.45	11.6	13.9	14.9	14.1	12.2	9.69	6.82	4.07	1.82	0.62	0.17	0.02	108	0.00
70	0.04	0.56	2.42	6.18	11.6	18.0	24.4	29.0	31.1	30.2	27.1	22.2	16.0	10.2	5.14	1.76	0.42	0.04	236	86.9
60	0.07	0.97	4.04	9.73	17.5	26.5	36.1	44.3	48.6	47.7	42.4	34.0	24.7	16.1	8.73	3.24	0.74	0.06	365	294
50	0.10	1.39	5.56	12.6	21.8	32.4	43.7	53.9	59.5	58.8	52.2	41.9	30.9	20.7	11.8	4.75	1.08	0.09	453	400
40	0.13	1.79	7.11	15.6	26.2	37.8	49.9	60.3	65.8	65.1	58.7	48.3	36.6	25.4	15.1	6.32	1.42	0.11	522	484
30	0.15	2.17	8.98	20.6	33.8	46.5	59.2	69.8	75.8	74.5	67.7	57.5	45.4	33.4	20.2	8.26	1.84	0.14	626	602
20	0.17	2.52	11.4	27.3	44.1	58.5	72.8	85.3	93.4	91.3	82.8	71.3	57.6	43.2	26.8	11.1	2.31	0.16	782	765
10	0.18	2.79	13.6	33.6	54.2	71.1	87.9	102	111	109	100	87.4	71.4	54.9	34.8	14.2	2.72	0.17	951	937
0	0.18	2.86	15.0	38.1	61.8	80.7	97.8	110	117	119	113	102	85.2	65.6	40.9	16.2	2.86	0.17	1068	1056
-10	0.17	2.69	15.1	40.2	67.0	89.0	107	118	124	125	122	113	94.1	71.4	43.5	16.4	2.69	0.16	1151	1140
-20	0.15	2.32	13.9	40.0	69.8	96.4	119	134	140	142	139	126	101	73.3	42.5	14.8	2.31	0.14	1256	1244
-30	0.12	1.83	11.2	35.7	67.3	98.3	128	154	168	172	161	135	101	69.0	36.9	11.4	1.80	0.11	1352	1339
-40	0.10	1.34	7.48	27.4	57.7	91.3	129	172	201	207	183	139	95.4	58.8	27.5	7.23	1.27	0.08	1407	1390
-50	0.07	0.88	4.26	16.7	40.9	75.0	122	187	242	254	212	138	79.0	40.4	15.8	3.95	0.79	0.06	1432	1408
-60	0.04	0.50	2.12	7.12	19.3	42.2	83.0	151	212	214	156	83.4	38.3	16.3	6.15	1.83	0.41	0.03	1034	990
-70	0.02	0.22	0.81	2.11	4.61	8.98	18.6	36.2	52.8	52.1	34.3	16.5	7.19	3.40	1.59	0.60	0.15	0.01	240	161
-80	0.01	0.07	0.17	0.36	0.62	1.02	1.70	2.58	2.99	2.59	1.74	1.02	0.59	0.35	0.19	0.09	0.03	0.01	16.1	0.00
-90	0.01	0.07	0.17	0.36	0.62	1.02	1.70	2.58	2.99	2.59	1.74	1.02	0.59	0.35	0.19	0.09	0.03	0.01	16.1	0.00
-90 -80 -70 -60 -50 -40 -30 -20 HORIZONTAL (DEG) 20 30 40 50 60 70 80 90																				
Φ t	1.71	25.2	124	336	605	884	1194	1525	1763	1781	1567	1227	892	607	340	123	23.1	1.57	13019	---
Φ a	0.00	0.00	57.1	277	551	840	1153	1486	1726	1745	1529	1186	847	554	283	62.1	0.00	0.00	---	12296

one-half-peak spread: U:9.2,D:33.9 , L:58.1,R:57.3

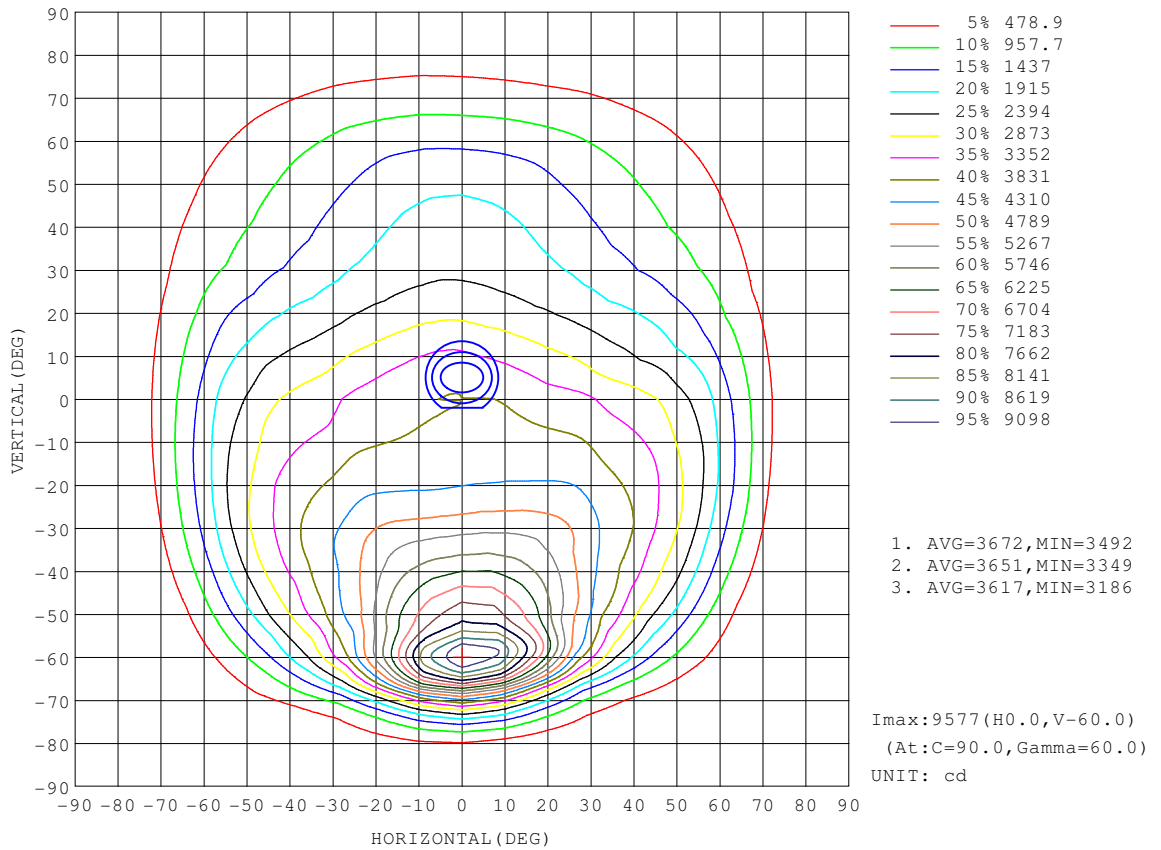
NEMA Beam Type: Type 7

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

ISOCANDELA DIAGRAM

Test:U:230.47V I:0.4787A P:106.44W PF:0.9647 Freq:50.01Hz Lamp Flux:13019x1 lm		
NAME: KYH-Midi	TYPE:OUTDOOR	WEIGHT:5.2kg
SPEC.:100 WATT	DIM.: 262X430X50	SERIAL No.:
MFR.: LITPA AYDINLATMA	SUR.:	Shielding Angle:

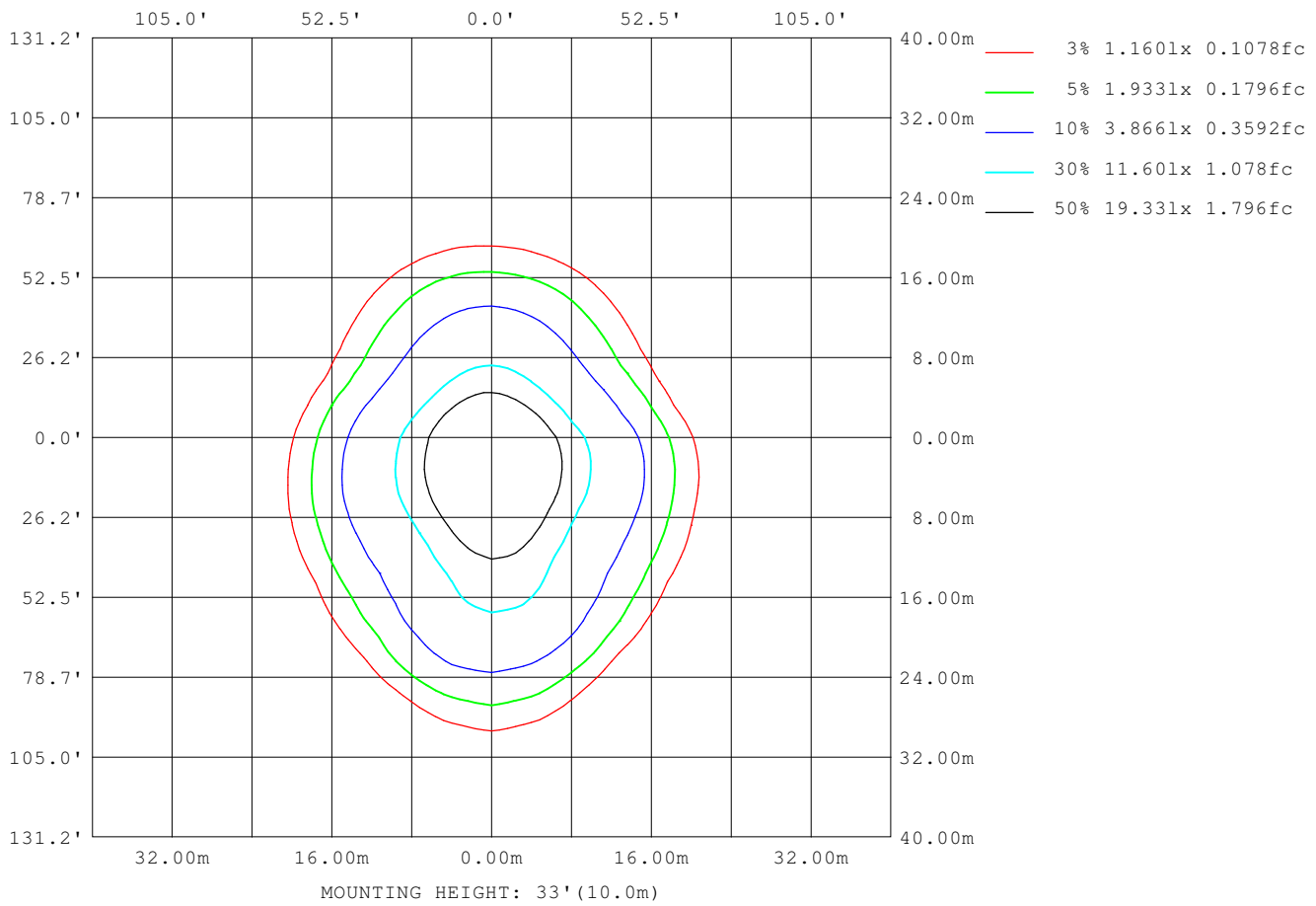


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C Interval: 10.0DEG
Test Speed: HIGH
Temperature:20DEG
Operators:LITPA
Test Date:12/05/2021

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γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.400
Humidity:65.0%
Test Distance:7.200m [K=1.0000]
Remarks: KYH-100WATT-ASÝMETRÝK

ISOLUX DIAGRAM

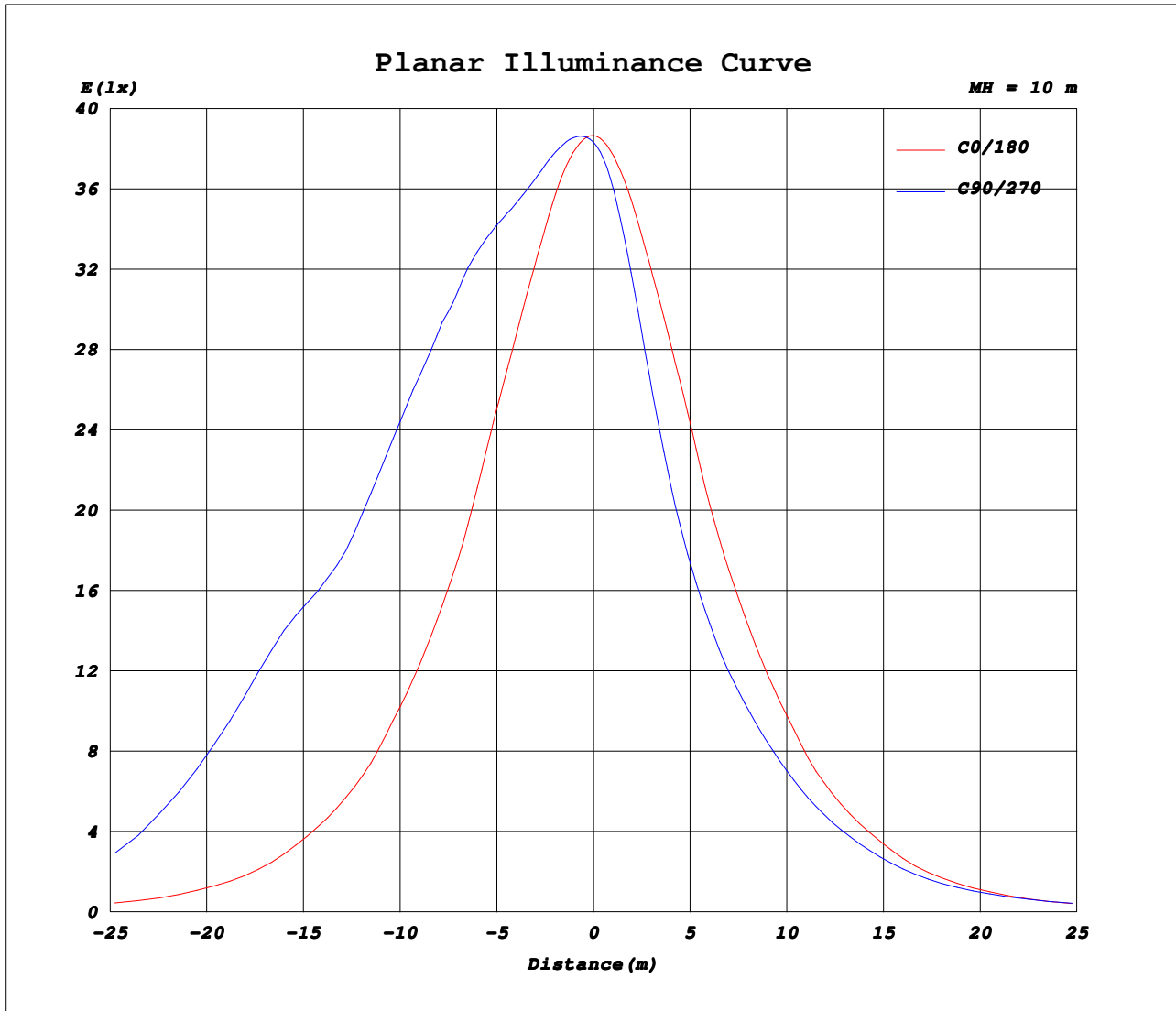
Test:U:230.47V I:0.4787A P:106.44W PF:0.9647 Freq:50.01Hz Lamp Flux:13019x1 lm		
NAME: KYH-Midi	TYPE:OUTDOOR	WEIGHT:5.2kg
SPEC.:100 WATT	DIM.: 262X430X50	SERIAL No.:
MFR.: LITPA AYDINLATMA	SUR.:	Shielding Angle:



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

γ Range: 0 - 90DEG
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-ASYMETRYK

Planar Illuminance Curve

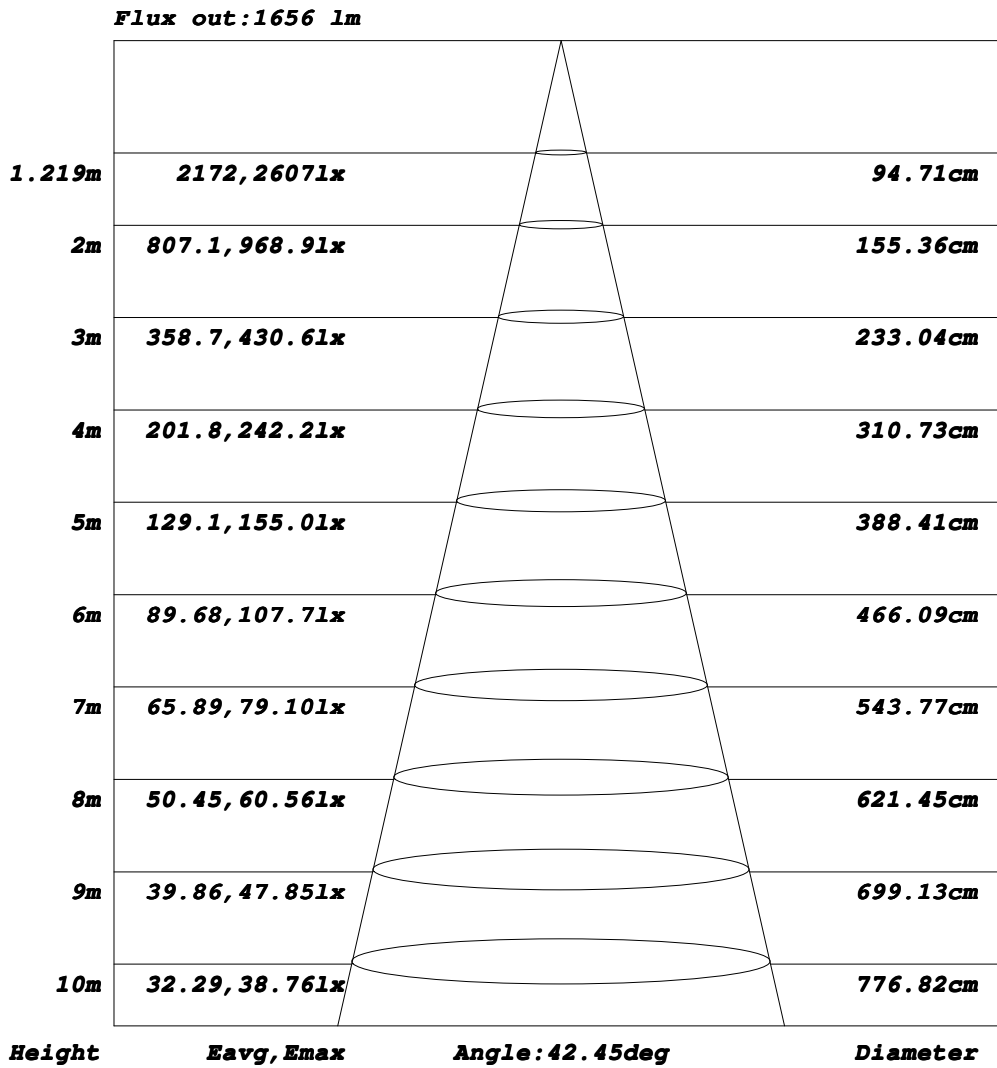


C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature: 20DEG
Operators: LITPA
Test Date: 12/05/2021

γ Range: 0 - 90DEG
γ Interval: 1.0DEG
Test System: EVERFINE GO-2000B_V1 SYSTEM V2.0.400
Humidity: 65.0%
Test Distance: 7.200m [K=1.0000]
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AAI Figure

Test:U:230.47V I:0.4787A P:106.44W PF:0.9647 Freq:50.01Hz Lamp Flux:13019x1 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
 Test System: EVERFINE GO-2000B_V1 SYSTEM V2.0.400
 Humidity: 65.0%
 Test Distance: 7.200m [K=1.0000]
 Remarks: KYH-100WATT-ASYMETRYK

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:230.47V I:0.4787A P:106.44W PF:0.9647 Freq:50.01Hz Lamp Flux:13019x1 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: 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	0.94	2.61	4.28	3.98	3.68	3.58	3.48	3.35	3.23	3.06	2.89	2.84	2.79	2.58	2.38	2.08	1.77	1.64	1.50
-85	0.94	3.93	6.98	7.89	8.91	11.1	14.4	16.8	19.4	22.8	26.1	28.7	31.7	35.4	38.8	38.0	36.3	33.3	29.8
-80	0.94	5.22	8.90	13.9	20.7	29.3	39.2	50.5	62.6	78.2	96.8	124	156	216	286	349	415	440	455
-75	0.94	6.20	13.6	24.7	38.8	58.3	83.5	112	146	191	242	312	399	578	794	1065	1357	1516	1635
-70	0.94	7.03	20.5	39.2	64.4	100	147	213	310	435	571	782	1041	1471	2043	2742	3467	3905	4226
-65	0.94	8.40	28.5	56.9	97.0	153	241	373	592	860	1222	1673	2249	3056	4140	5379	6685	7415	7925
-60	0.94	11.1	37.7	77.7	134	220	363	617	956	1385	1920	2488	3239	4154	5326	6620	8037	8907	9577
-55	0.94	13.8	47.8	101	178	297	536	925	1382	1838	2463	2918	3661	4328	5332	6291	7261	7912	8451
-50	0.94	16.7	58.5	125	228	391	748	1242	1778	2383	2875	3444	4011	4588	5354	6138	6737	7170	7500
-45	0.94	19.6	69.3	151	280	520	985	1554	2119	2714	3119	3677	4144	4656	5246	5878	6328	6665	6909
-40	0.94	22.3	80.5	178	338	665	1188	1816	2433	2950	3395	3843	4230	4659	5135	5565	5870	6090	6229
-35	0.94	25.0	91.0	204	402	826	1386	2019	2658	3137	3574	3969	4287	4641	5025	5281	5443	5559	5629
-30	0.94	27.7	101	230	471	947	1552	2176	2789	3217	3676	3974	4231	4528	4784	4923	4993	5057	5115
-25	0.94	30.0	110	252	531	1028	1647	2300	2834	3241	3633	3877	4084	4319	4482	4539	4561	4593	4644
-20	0.94	31.9	118	270	587	1082	1693	2350	2808	3214	3531	3737	3904	4111	4211	4232	4245	4261	4305
-15	0.94	33.3	124	287	630	1117	1713	2337	2745	3143	3396	3576	3728	3911	3989	4017	4042	4064	4100
-10	0.94	34.3	128	298	656	1133	1700	2288	2657	3028	3237	3394	3542	3721	3800	3852	3905	3944	3982
-5	0.94	34.9	130	304	664	1121	1657	2208	2555	2908	3094	3231	3367	3536	3632	3715	3801	3856	3906
0	0.94	34.9	131	305	656	1083	1584	2099	2432	2770	2953	3102	3261	3455	3568	3669	3769	3836	3866
5	0.94	34.9	131	302	627	1021	1478	1945	2248	2549	2712	2846	2998	3194	3342	3481	3603	3692	3695
10	0.94	34.3	129	294	588	942	1351	1771	2045	2311	2464	2596	2743	2926	3066	3207	3341	3433	3431
15	0.94	33.3	126	282	541	850	1209	1580	1831	2066	2218	2338	2482	2638	2777	2901	3019	3089	3093
20	0.94	31.8	120	267	489	755	1066	1382	1602	1801	1968	2095	2215	2377	2503	2604	2704	2763	2761
25	0.94	29.9	113	250	437	675	939	1179	1364	1567	1731	1851	2000	2143	2263	2371	2447	2499	2497
30	0.94	27.5	104	230	393	609	820	993	1198	1364	1509	1665	1799	1955	2084	2188	2267	2309	2315
35	0.94	24.7	94.5	208	357	545	715	878	1062	1189	1367	1503	1655	1797	1940	2047	2124	2168	2179
40	0.94	22.0	83.8	184	320	482	633	797	951	1096	1255	1400	1543	1695	1840	1953	2033	2081	2095
45	0.94	19.2	72.2	160	282	422	572	719	863	1008	1154	1301	1442	1589	1730	1846	1929	1979	1991
50	0.94	16.1	60.8	135	242	364	503	641	778	917	1053	1192	1327	1458	1587	1702	1779	1823	1832
55	0.94	13.1	49.2	111	199	305	426	554	683	815	940	1071	1200	1322	1431	1530	1598	1628	1630
60	0.94	10.4	37.8	86.7	156	244	344	456	571	686	795	907	1021	1121	1199	1266	1313	1326	1316
65	0.94	7.57	27.8	63.7	116	181	259	349	446	541	631	725	815	889	943	988	1023	1027	1015
70	0.94	6.08	19.2	42.6	78.7	124	177	243	316	387	458	527	595	646	688	720	743	743	732
75	0.94	5.09	12.0	26.0	46.3	74.0	106	147	194	239	286	334	382	417	446	470	488	486	477
80	0.94	3.95	6.91	13.7	23.6	35.5	50.6	71.6	95.0	117	140	166	194	214	231	247	261	259	253
85	0.94	2.51	4.42	6.58	9.24	12.5	17.0	22.8	30.1	37.6	45.0	54.5	64.3	70.4	76.5	83.4	89.5	86.2	81.8
90	0.94	1.05	1.16	1.52	1.89	2.44	2.98	3.60	4.21	4.95	5.69	6.20	6.70	6.95	7.20	6.96	6.72	5.39	4.06

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SPEC.:100 WATT	DIM.: 262X430X50	SERIAL No.:
MFR.: LITPA AYDINLATMA	SUR.:	Shielding Angle:

Table--2

UNIT: cd

H (DEG) V (DEG)	5	10	15	20	25	30	35	40	45	50	55	60	65	70	75	80	85	90	
-90	1.44	1.38	1.27	1.17	1.12	1.06	1.02	0.98	0.95	0.91	0.88	0.85	0.83	0.81	0.81	0.81	0.83	0.85	
-85	27.6	25.1	23.4	21.5	18.9	16.2	14.6	12.9	11.0	9.00	7.71	6.58	4.96	3.83	3.17	2.74	1.90	0.85	
-80	401	340	274	209	155	112	85.9	66.1	51.9	40.7	32.7	25.2	18.4	12.3	7.89	4.34	2.96	0.85	
-75	1491	1312	1015	727	518	350	259	187	142	108	83.9	62.2	43.0	27.9	17.1	8.51	3.79	0.85	
-70	3880	3418	2653	1914	1314	857	606	421	315	231	172	121	80.5	51.1	30.3	14.7	4.49	0.85	
-65	7477	6772	5517	4228	3008	2070	1455	995	703	480	321	213	131	81.6	47.4	22.3	5.76	0.85	
-60	9261	8686	7477	6057	4569	3432	2523	1855	1293	870	571	335	196	118	67.5	31.2	8.43	0.85	
-55	8356	8075	7302	6249	4939	4066	3097	2509	1830	1326	867	506	272	162	90.2	41.5	11.0	0.85	
-50	7404	7144	6642	5869	4968	4282	3548	2949	2346	1786	1195	712	368	213	115	52.2	13.8	0.85	
-45	6858	6652	6282	5724	5068	4386	3870	3217	2766	2161	1565	958	499	268	143	63.0	16.7	0.85	
-40	6232	6106	5867	5505	4986	4419	3978	3510	2997	2516	1846	1193	653	330	171	74.3	19.3	0.85	
-35	5653	5599	5478	5253	4877	4468	4027	3705	3155	2740	2089	1426	834	401	199	85.0	22.0	0.85	
-30	5166	5161	5126	5015	4803	4444	4118	3817	3347	2887	2308	1619	987	475	226	95.5	24.8	0.85	
-25	4687	4704	4713	4674	4583	4333	4061	3801	3422	2974	2467	1753	1100	537	249	105	27.3	0.85	
-20	4332	4355	4364	4365	4330	4153	3926	3712	3424	2976	2529	1839	1175	596	268	113	29.4	0.85	
-15	4117	4125	4127	4125	4099	3973	3765	3587	3356	2941	2541	1870	1217	645	285	119	31.0	0.85	
-10	4000	3989	3964	3937	3907	3790	3596	3441	3247	2856	2472	1851	1234	676	296	124	32.2	0.85	
-5	3921	3895	3837	3778	3722	3603	3407	3262	3077	2725	2369	1795	1214	686	301	126	33.0	0.85	
0	3851	3800	3710	3619	3531	3395	3200	3063	2890	2568	2238	1707	1165	677	302	127	33.3	0.85	
5	3615	3529	3411	3274	3140	3004	2841	2720	2574	2304	2016	1552	1071	631	290	125	33.2	0.85	
10	3342	3249	3122	2992	2872	2725	2552	2403	2237	2021	1776	1377	960	572	275	121	32.6	0.85	
15	3006	2927	2815	2699	2582	2454	2302	2177	2020	1787	1528	1189	837	506	255	116	31.5	0.85	
20	2700	2623	2524	2427	2314	2172	2051	1938	1785	1579	1347	1025	710	437	233	109	30.0	0.85	
25	2453	2384	2296	2191	2080	1948	1803	1696	1554	1361	1160	897	615	372	211	100	28.1	0.85	
30	2274	2213	2125	2018	1892	1744	1615	1468	1341	1187	979	779	547	319	187	91.4	25.8	0.85	
35	2146	2084	1995	1882	1741	1600	1451	1323	1151	1036	850	672	480	287	164	81.5	23.1	0.85	
40	2060	1996	1903	1781	1637	1483	1344	1205	1051	912	757	584	417	253	142	71.8	20.5	0.85	
45	1952	1883	1786	1664	1522	1375	1240	1095	957	814	672	515	357	219	123	62.0	18.0	0.85	
50	1794	1730	1639	1520	1388	1257	1125	989	860	725	588	444	299	182	104	52.8	15.3	0.85	
55	1598	1544	1462	1356	1245	1120	993	870	751	624	498	365	240	146	84.3	43.6	12.6	0.85	
60	1295	1254	1194	1118	1039	937	828	723	620	509	397	282	182	113	65.9	34.6	10.2	0.85	
65	998	968	921	866	804	729	643	556	474	383	289	200	129	80.5	48.8	25.7	7.69	0.85	
70	717	693	658	616	571	518	452	387	323	257	186	122	80.9	53.0	33.2	18.4	6.47	0.85	
75	461	439	409	374	345	309	266	224	183	140	95.7	64.0	44.9	29.6	20.1	12.5	5.75	0.85	
80	239	222	199	176	159	140	119	95.0	71.3	50.6	36.1	26.3	19.8	14.4	11.2	8.49	4.89	0.85	
85	72.2	62.0	53.5	44.7	38.4	31.2	21.1	13.7	13.1	12.0	10.4	8.78	7.38	6.62	6.53	6.64	3.74	0.85	
90	3.69	3.33	3.08	2.83	2.59	2.36	2.22	2.09	2.06	2.04	2.13	2.22	2.35	2.47	3.38	4.28	2.56	0.85	

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-ASYMETRYK