

Floodlight Summary:

Report based on lamp delivering 1000 lumens.

Maximum Intensity	380.8 cd per klm.
(Luminaire orientation as tested.)	0.0 degrees vertical
	0.0 degrees horizontal

Beam Spread	At 10% of Imax	151.4V x 151.4H
	At 50% of Imax	109.0V x 109.8H
	At 90% of Imax	50.7V x 53.0H

Beam Flux	Total	1000.1 lumens per klm.
	To 10% of Imax	982.3 lumens per klm.
	To 50% of Imax	746.2 lumens per klm.
	To 90% of Imax	213.1 lumens per klm.

Upward LOR	0.0 %
Downward LOR	100.0 %

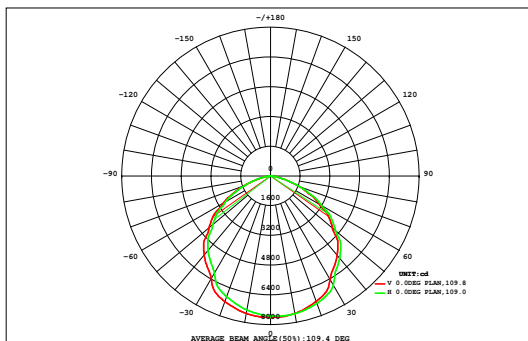
Luminaire Efficiency (Light Output Ratio)	100.0 %
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C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature: 20DEG
Operators: LITPA
Test Date: 11/05/2021

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-(LENS SZ)

LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:230.46V I:0.6835A P:155.23W PF:0.9855 Freq:50.01Hz Lamp Flux:19977x1 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:128.69lm/W	
MODEL	KYH-Midi	Imax(cd)	7607
NOMINAL POWER(W)	150	AVAILABILITY(%)	98.2
RATED VOLTAGE(V)	230.0	Avai. FLUX(lm)	19625
NOMINAL FLUX(lm)	19977	LOR(%)	100.0
LAMPS INSIDE	1	TOTAL FLUX(lm)	19977
TEST VOLTAGE(V)	230	θ @50% (H,V)	110,109DEG

VERTICAL (DEG)	AREA FLUX DIAGRAM																UNIT:lm		Φ t	Φ a
	0.02	0.09	0.26	0.54	0.98	1.53	2.11	2.61	2.88	2.77	2.27	1.67	1.24	0.85	0.49	0.25	0.11	0.02	20.7	0.00
90	0.02	0.09	0.26	0.54	0.98	1.53	2.11	2.61	2.88	2.77	2.27	1.67	1.24	0.85	0.49	0.25	0.11	0.02	20.7	0.00
80	0.03	0.34	1.45	4.05	8.23	13.3	18.6	23.1	25.4	25.0	21.7	16.0	10.0	6.26	3.46	1.29	0.33	0.04	179	86.5
70	0.07	0.92	4.75	12.6	24.0	36.9	49.6	59.0	64.6	64.3	57.8	46.8	33.2	20.1	10.6	4.18	0.86	0.06	490	459
60	0.11	1.99	9.66	24.1	43.4	63.9	83.1	98.2	105	105	96.7	80.7	59.8	39.9	21.2	8.73	1.79	0.10	843	830
50	0.16	3.35	15.3	35.9	62.3	90.2	114	133	142	141	132	112	86.0	57.9	33.1	14.1	3.04	0.15	1177	1169
40	0.22	4.74	20.6	46.6	78.2	111	139	161	170	170	160	137	107	73.3	43.9	19.3	4.33	0.21	1445	1439
30	0.29	5.99	25.2	55.8	93.0	129	164	188	199	198	186	162	125	87.6	53.1	23.9	5.55	0.26	1703	1698
20	0.35	6.99	28.5	62.0	103	141	179	204	216	215	202	176	135	97.5	59.6	27.3	6.46	0.30	1860	1856
10	0.38	7.57	30.2	65.4	108	147	188	214	226	223	210	183	143	104	63.7	29.0	6.96	0.33	1950	1947
0	0.38	7.61	30.3	65.7	108	148	188	214	227	229	217	190	149	108	64.9	29.2	7.01	0.33	1982	1978
-10	0.35	7.12	28.7	62.9	104	143	183	210	223	224	212	186	145	105	62.8	27.9	6.59	0.30	1933	1929
-20	0.30	6.17	25.5	57.7	96.4	136	173	200	213	214	202	175	137	96.6	57.3	24.8	5.73	0.25	1820	1816
-30	0.23	4.87	20.8	48.6	82.5	118	150	175	187	187	176	151	119	82.3	47.9	20.2	4.49	0.20	1575	1570
-40	0.17	3.39	15.4	37.6	66.2	97.5	125	148	159	159	149	125	97.4	65.7	36.8	14.8	3.05	0.14	1302	1294
-50	0.12	1.98	9.68	25.0	45.9	69.5	91.5	110	119	119	110	91.3	69.0	45.1	24.2	9.06	1.75	0.09	941	928
-60	0.08	0.91	4.60	12.8	24.8	39.5	53.9	65.9	72.9	72.8	65.5	53.2	38.7	24.0	12.1	4.21	0.78	0.05	547	521
-70	0.05	0.37	1.36	3.85	7.89	13.3	19.0	24.0	26.9	26.9	23.8	18.6	12.7	7.34	3.45	1.18	0.26	0.02	191	105
-80	0.03	0.14	0.28	0.49	0.84	1.28	1.78	2.21	2.44	2.40	2.10	1.61	1.11	0.67	0.36	0.16	0.06	0.01	18.0	0.00
-90	0.03	0.14	0.28	0.49	0.84	1.28	1.78	2.21	2.44	2.40	2.10	1.61	1.11	0.67	0.36	0.16	0.06	0.01	18.0	0.00
-90 -80 -70 -60 -50 -40 -30 -20 HORIZONTAL (DEG) 20 30 40 50 60 70 80 90																				
Φ t	3.36	64.5	273	622	1057	1500	1923	2232	2382	2378	2225	1906	1469	1022	599	259	59.1	2.88	19977	---
Φ a	0.00	36.7	251	601	1037	1480	1903	2212	2362	2359	2206	1887	1449	1001	577	237	30.4	0.00	---	19625

one-half-peak spread: U:51.9,D:52.7 , L:55.5,R:55.0

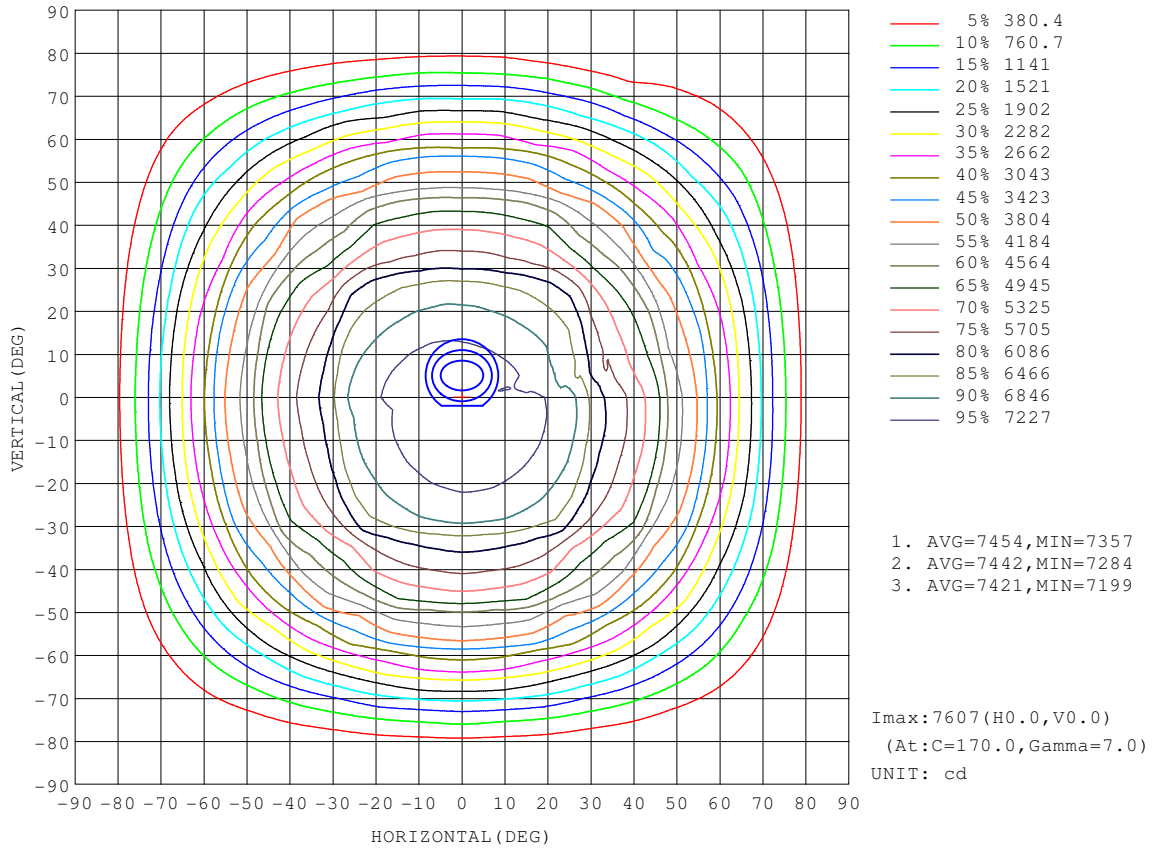
NEMA Beam Type: Type 7

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-(LENSSÝZ)

ISOCANDELA DIAGRAM

Test:U:230.46V I:0.6835A P:155.23W PF:0.9855 Freq:50.01Hz Lamp Flux:19977x1 lm		
NAME: KYH-Midi	TYPE:OUTDOOR	WEIGHT:5.2kg
SPEC.:150 WATT	DIM.: 262X430X50	SERIAL No.:
MFR.: LITPA AYDINLATMA	SUR.:	Shielding Angle:

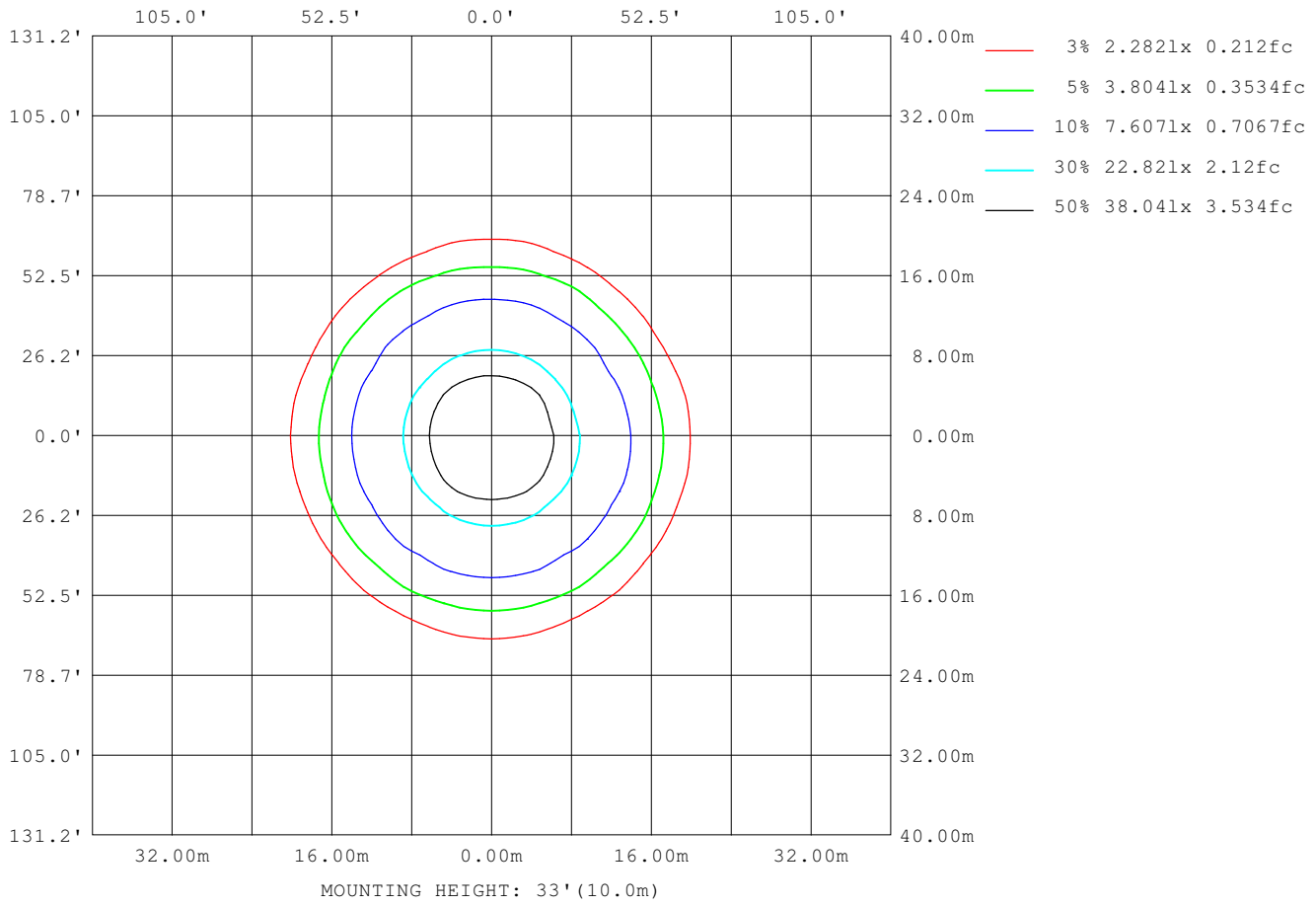


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Temperature:20DEG
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Humidity:65.0%
Test Distance:7.200m [K=1.0000]
Remarks: KYH-150WATT-(LENSSÝZ)

ISOLUX DIAGRAM

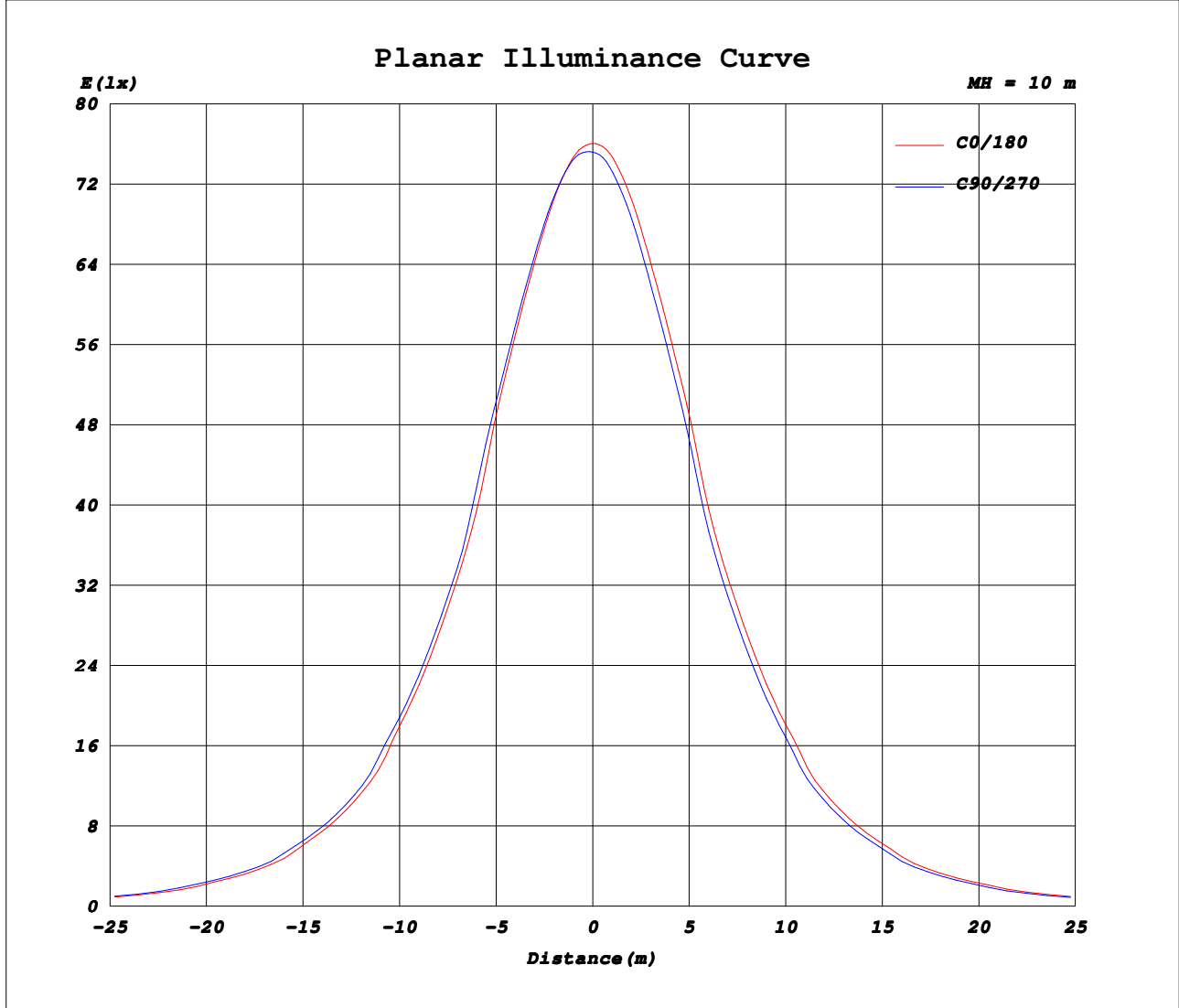
Test:U:230.46V I:0.6835A P:155.23W PF:0.9855 Freq:50.01Hz Lamp Flux:19977x1 lm		
NAME: KYH-Midi	TYPE:OUTDOOR	WEIGHT:5.2kg
SPEC.:150 WATT	DIM.: 262X430X50	SERIAL No.:
MFR.: LITPA AYDINLATMA	SUR.:	Shielding Angle:



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

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γ Interval: 1.0DEG
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Humidity: 65.0%
Test Distance: 7.200m [K=1.0000]
Remarks: KYH-150WATT-(LENSSÝZ)

Planar Illuminance Curve



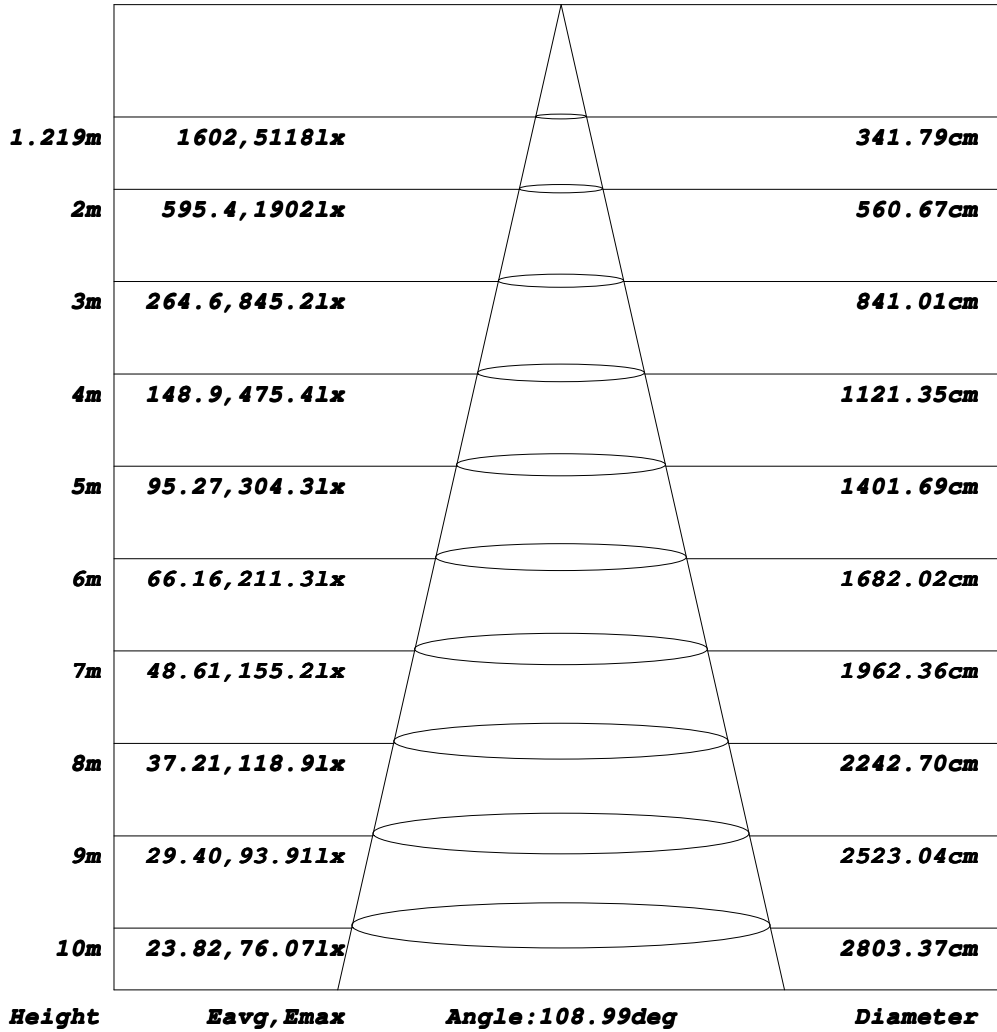
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C Interval: 10.0DEG
Test Speed: HIGH
Temperature: 20DEG
Operators: LITPA
Test Date: 11/05/2021

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-(LENSŞÝZ)

AAI Figure

Test:U:230.46V I:0.6835A P:155.23W PF:0.9855 Freq:50.01Hz Lamp Flux:19977x1 lm		
NAME: KYH-Midi	TYPE:OUTDOOR	WEIGHT:5.2kg
SPEC.:150 WATT	DIM.: 262X430X50	SERIAL No.:
MFR.: LITPA AYDINLATMA	SUR.:	Shielding Angle:

Flux out:15261 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
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 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-(LENSŞÝZ)

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:230.46V I:0.6835A P:155.23W PF:0.9855 Freq:50.01Hz Lamp Flux:19977x1 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: 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	2.50	7.52	12.5	11.0	9.36	7.78	6.20	5.62	5.04	4.50	3.96	3.70	3.45	3.23	3.01	2.88	2.75	2.63	2.51
-85	2.50	10.3	18.0	17.7	17.2	18.0	20.4	22.3	24.5	28.0	31.3	33.7	36.3	40.1	43.3	44.4	44.6	45.9	46.5
-80	2.50	13.0	20.9	26.4	33.8	44.0	56.9	71.6	94.7	120	146	172	200	234	267	283	293	306	314
-75	2.50	14.7	28.3	42.9	62.5	91.5	140	203	268	344	431	510	565	661	727	781	805	840	866
-70	2.50	15.9	38.9	66.5	106	189	302	422	545	691	850	996	1109	1279	1390	1491	1552	1586	1601
-65	2.50	18.0	51.5	98.2	190	336	516	716	934	1159	1349	1584	1748	1938	2103	2258	2341	2411	2443
-60	2.50	22.7	66.5	145	303	519	769	1076	1333	1642	1933	2186	2461	2629	2799	2921	3076	3139	3167
-55	2.50	27.2	84.3	215	441	706	1072	1436	1773	2105	2475	2770	3077	3343	3585	3804	3902	3965	4003
-50	2.50	31.8	104	296	579	953	1350	1747	2237	2611	3022	3375	3727	3866	4156	4383	4480	4524	4559
-45	2.50	36.3	126	383	734	1171	1639	2150	2601	3126	3455	3957	4281	4534	4842	5113	5233	5300	5338
-40	2.50	40.5	160	470	890	1378	1882	2465	3035	3449	3954	4373	4675	5005	5381	5559	5674	5746	5793
-35	2.50	44.6	194	552	1043	1582	2115	2755	3378	3751	4393	4705	5053	5356	5757	5930	6046	6117	6156
-30	2.50	49.1	228	622	1171	1798	2421	3019	3661	4129	4838	5142	5525	5973	6321	6507	6650	6718	6771
-25	2.50	52.8	259	704	1323	1941	2624	3307	3906	4449	5077	5465	5810	6327	6656	6833	6975	7059	7108
-20	2.50	55.9	288	771	1403	2058	2773	3517	4059	4718	5233	5632	5997	6553	6834	7019	7161	7251	7292
-15	2.50	58.2	311	812	1468	2155	2887	3648	4175	4907	5363	5751	6159	6720	6967	7154	7293	7389	7435
-10	2.50	59.8	328	842	1516	2241	2965	3740	4262	5015	5460	5847	6263	6809	7054	7241	7381	7473	7523
-5	2.50	60.6	339	860	1545	2284	3014	3797	4326	5089	5535	5914	6342	6854	7086	7271	7406	7502	7559
0	2.50	60.7	342	866	1556	2290	3034	3819	4354	5123	5579	5966	6421	6956	7184	7369	7510	7597	7607
5	2.50	60.3	338	857	1540	2276	2999	3779	4310	5072	5519	5901	6342	6870	7111	7290	7415	7487	7460
10	2.50	59.1	327	835	1503	2229	2936	3706	4231	4981	5420	5799	6227	6748	6972	7147	7271	7338	7323
15	2.50	57.2	310	801	1446	2143	2849	3599	4125	4849	5288	5655	6048	6560	6789	6959	7078	7141	7133
20	2.50	54.5	286	754	1367	2048	2726	3435	3984	4664	5107	5470	5807	6330	6575	6731	6851	6916	6915
25	2.50	51.1	257	687	1268	1927	2570	3190	3809	4301	4847	5219	5550	6033	6301	6464	6568	6642	6640
30	2.50	47.0	225	610	1115	1783	2380	2864	3524	3940	4460	4822	5092	5505	5784	5921	6003	6080	6058
35	2.50	42.3	189	547	994	1584	2149	2610	3212	3559	4107	4443	4694	5014	5336	5479	5573	5634	5630
40	2.50	37.8	155	466	865	1359	1853	2370	2888	3280	3755	4101	4341	4640	4965	5085	5181	5235	5234
45	2.50	33.4	122	379	727	1153	1622	2042	2457	2892	3267	3647	3933	4170	4437	4626	4724	4774	4772
50	2.50	28.7	98.5	295	587	920	1330	1690	2080	2468	2770	3112	3332	3522	3733	3930	4010	4048	4047
55	2.50	23.8	77.6	214	448	727	1038	1378	1675	2001	2310	2551	2859	3054	3252	3417	3501	3534	3531
60	2.50	19.1	59.7	145	322	523	767	1029	1298	1549	1812	2002	2240	2406	2515	2641	2758	2793	2783
65	2.50	14.1	44.1	95.7	204	353	515	711	907	1115	1270	1451	1622	1788	1887	1976	2081	2102	2085
70	2.50	11.6	31.2	62.6	117	203	304	427	565	712	813	958	1092	1189	1274	1359	1421	1430	1421
75	2.50	10.1	20.1	38.4	63.6	99.1	150	215	292	360	437	517	589	649	688	754	807	810	792
80	2.50	8.26	12.0	20.9	32.8	45.1	58.6	81.4	109	134	160	192	223	246	269	293	313	319	319
85	2.50	5.60	8.44	10.6	13.4	16.4	20.4	24.8	30.1	34.4	38.0	43.5	49.2	52.5	55.4	59.5	63.0	62.5	61.2
90	2.50	2.92	3.34	3.64	3.94	4.18	4.41	4.51	4.61	4.76	4.90	4.99	5.08	5.11	5.14	4.99	4.85	4.61	4.37

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

γ Range: 0 - 90DEG
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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-150WATT-(LENSSÝZ)

LUMINOUS DISTRIBUTION INTENSITY DATA

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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: cd

H (DEG) V (DEG)	5	10	15	20	25	30	35	40	45	50	55	60	65	70	75	80	85	90	
-90	2.43	2.35	2.27	2.20	2.14	2.08	2.02	1.97	1.93	1.90	1.88	1.86	1.85	1.84	1.85	1.86	1.86	1.86	
-85	44.6	42.1	40.7	38.6	34.6	30.3	27.2	24.4	20.8	17.1	14.6	12.8	10.3	8.15	6.53	5.39	3.69	1.86	
-80	303	287	274	256	219	183	157	131	105	80.9	60.8	45.2	32.1	21.2	13.9	8.63	5.50	1.86	
-75	837	800	773	715	644	547	478	401	314	239	180	124	80.3	48.1	28.6	14.5	7.08	1.86	
-70	1583	1547	1480	1377	1246	1104	962	821	659	515	386	270	168	98.3	50.8	23.9	8.53	1.86	
-65	2400	2325	2227	2081	1909	1711	1555	1320	1118	866	678	474	307	168	83.4	36.3	10.5	1.86	
-60	3142	3080	2932	2789	2621	2448	2158	1904	1577	1298	1021	725	478	273	127	50.6	13.9	1.86	
-55	3969	3909	3818	3602	3343	3063	2765	2438	2086	1723	1386	1024	671	399	188	69.4	17.1	1.86	
-50	4527	4484	4394	4150	3873	3693	3368	2981	2585	2211	1699	1308	890	533	259	89.0	21.3	1.86	
-45	5305	5246	5140	4878	4559	4291	3941	3465	3101	2579	2114	1596	1132	693	334	110	25.9	1.86	
-40	5754	5696	5591	5417	5041	4698	4395	3929	3458	2987	2436	1850	1335	829	413	137	30.1	1.86	
-35	6131	6072	5961	5795	5402	5070	4733	4356	3754	3362	2707	2070	1525	998	494	165	34.3	1.86	
-30	6729	6673	6540	6361	6007	5552	5163	4858	4102	3668	2979	2350	1741	1122	574	196	38.6	1.86	
-25	7084	7016	6894	6727	6394	5869	5516	5123	4447	3919	3247	2591	1913	1243	651	223	42.3	1.86	
-20	7280	7211	7091	6916	6635	6068	5697	5289	4689	4082	3486	2753	2026	1339	710	246	45.4	1.86	
-15	7427	7355	7237	7062	6811	6239	5822	5424	4913	4207	3650	2865	2104	1408	750	264	47.8	1.86	
-10	7524	7457	7339	7165	6911	6350	5927	5528	5062	4286	3731	2928	2156	1450	778	277	49.5	1.86	
-5	7578	7508	7385	7210	6971	6421	5972	5568	5097	4320	3767	2960	2185	1472	794	285	50.6	1.86	
0	7590	7509	7372	7196	6959	6392	5953	5557	5091	4316	3764	2962	2189	1475	798	288	50.9	1.86	
5	7404	7317	7153	6906	6667	6100	5755	5358	4938	4202	3699	2923	2168	1461	788	286	50.9	1.86	
10	7276	7190	7066	6852	6559	5987	5525	5150	4753	4058	3602	2858	2123	1427	765	278	50.2	1.86	
15	7091	7012	6890	6719	6462	5821	5456	5039	4556	3932	3473	2769	2053	1373	732	265	48.9	1.86	
20	6876	6794	6673	6514	6246	5674	5266	4884	4397	3782	3271	2637	1963	1293	690	246	46.8	1.86	
25	6607	6517	6408	6243	5954	5430	4993	4634	4044	3609	3009	2470	1841	1194	632	221	44.1	1.86	
30	6045	5953	5864	5719	5421	5000	4657	4242	3657	3313	2690	2270	1671	1079	560	195	40.7	1.86	
35	5607	5535	5435	5279	4929	4603	4296	3847	3364	3024	2467	1971	1474	940	485	167	36.7	1.86	
40	5208	5143	5044	4913	4572	4246	3928	3519	3057	2670	2226	1729	1263	795	417	144	32.8	1.86	
45	4753	4690	4586	4367	4081	3833	3457	3047	2700	2284	1880	1485	1076	667	344	122	28.9	1.86	
50	4031	3980	3892	3679	3455	3214	2950	2557	2301	1926	1514	1196	850	536	262	98.0	24.6	1.86	
55	3519	3471	3371	3188	2973	2690	2390	2152	1850	1509	1206	911	656	397	192	75.7	20.6	1.86	
60	2776	2723	2581	2456	2308	2120	1879	1666	1394	1106	855	678	475	279	139	57.8	17.4	1.86	
65	2088	2056	1940	1816	1664	1501	1302	1103	917	729	610	461	304	182	93.2	43.8	13.9	1.86	
70	1419	1397	1318	1218	1103	969	780	633	538	441	370	265	179	105	60.4	32.1	12.1	1.86	
75	788	769	716	640	549	441	359	304	276	240	184	134	88.9	59.4	37.8	22.5	10.9	1.86	
80	312	300	258	215	184	157	142	127	113	94.3	71.5	53.8	41.6	31.2	22.0	16.1	9.48	1.86	
85	58.8	55.8	51.8	47.3	44.9	42.1	37.8	33.4	30.4	26.9	22.4	18.6	15.5	13.8	13.6	13.4	7.46	1.86	
90	4.19	4.01	3.88	3.76	3.58	3.40	3.36	3.31	3.43	3.54	3.88	4.22	4.77	5.32	7.13	8.94	5.40	1.86	

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-(LENSSÝZ)