

Floodlight Summary:

Report based on lamp delivering 1000 lumens.

Maximum Intensity	737.4 cd per klm.
(Luminaire orientation as tested.)	0.0 degrees vertical
	0.0 degrees horizontal

Beam Spread	At 10% of Imax	140.1V x 144.1H
	At 50% of Imax	46.3V x 109.9H
	At 90% of Imax	9.1V x 44.5H

Beam Flux	Total	1000.0 lumens per klm.
	To 10% of Imax	943.7 lumens per klm.
	To 50% of Imax	327.8 lumens per klm.
	To 90% of Imax	23.9 lumens per klm.

Upward LOR	0.0 %
Downward LOR	100.0 %

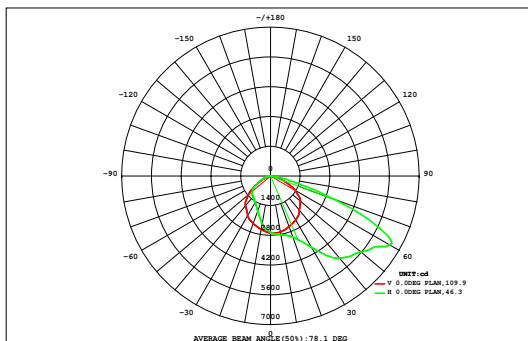
Luminaire Efficiency (Light Output Ratio)	100.0 %
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C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature: 20DEG
Operators: LITPA
Test Date: 12/05/2021

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-80WATT-ASYMETRYK

LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:230.46V I:0.3538A P:79.407W PF:0.9738 Freq:50.01Hz Lamp Flux:8847.63x1 lm		
NAME: KYH-Mini	TYPE:OUTDOOR	WEIGHT:4kg
SPEC.:50 WATT	DIM.: 220X390X50	SERIAL No.:
MFR.: LITPA AYDINLATMA	SUR.:	Shielding Angle:



DATA OF LAMP		Eff:111.42lm/W	
MODEL	KYH-Mini	Imax (cd)	6524
NOMINAL POWER (W)	50	AVAILABILITY (%)	94.4
RATED VOLTAGE (V)	230.0	Avai. FLUX (lm)	8355
NOMINAL FLUX (lm)	8847.63	LOR (%)	100.0
LAMPS INSIDE	1	TOTAL FLUX (lm)	8848
TEST VOLTAGE (V)	230	θ @50% (H,V)	110,46DEG

VERTICAL (DEG)	AREA FLUX DIAGRAM																UNIT:lm		Φ t	Φ a
	0.05	0.19	0.37	0.59	0.82	1.00	1.10	1.09	0.95	0.72	0.48	0.26	0.12	0.04	0.02	0.02	0.01	0.00	7.82	0.00
90	0.05	0.19	0.37	0.59	0.82	1.00	1.10	1.09	0.95	0.72	0.48	0.26	0.12	0.04	0.02	0.02	0.01	0.00	7.82	0.00
80	0.07	0.39	1.08	2.18	3.59	5.07	6.34	7.02	6.95	6.12	4.73	3.15	1.73	0.71	0.21	0.06	0.01	0.00	49.4	0.00
70	0.10	0.70	2.15	4.61	7.91	11.5	14.9	16.9	17.2	16.1	13.6	10.1	6.38	3.27	1.09	0.25	0.05	0.00	127	19.2
60	0.13	1.04	3.32	7.04	11.9	17.6	23.4	27.6	29.1	27.7	23.8	18.0	12.0	6.92	2.84	0.66	0.11	0.00	213	156
50	0.16	1.40	4.48	9.19	15.1	21.9	29.1	34.7	37.3	35.7	30.7	23.6	16.4	10.1	4.74	1.28	0.20	0.01	276	234
40	0.20	1.78	5.89	11.7	18.6	26.0	33.4	39.2	41.8	40.1	34.8	27.5	19.9	12.7	6.50	1.99	0.32	0.01	322	291
30	0.22	2.21	7.73	15.9	24.2	32.5	40.3	46.4	49.0	46.9	41.3	33.8	25.3	17.1	8.64	2.62	0.45	0.01	395	376
20	0.24	2.65	9.95	21.1	31.5	41.6	50.4	58.0	61.6	58.8	51.9	43.8	34.1	23.8	11.8	3.56	0.55	0.02	505	492
10	0.25	3.02	12.0	26.0	39.0	51.7	62.4	71.8	76.4	73.0	65.3	56.1	44.1	31.5	16.2	4.79	0.63	0.02	634	624
0	0.26	3.19	13.4	29.8	45.1	60.0	70.8	78.7	82.7	82.3	76.9	68.1	53.5	37.9	19.5	5.50	0.65	0.02	728	720
-10	0.25	3.13	13.9	31.9	49.6	66.6	78.2	84.7	88.0	88.4	85.3	76.6	59.8	41.5	20.7	5.37	0.60	0.02	795	786
-20	0.23	2.84	13.2	32.2	52.6	72.5	89.0	98.6	103	104	98.5	84.8	63.5	41.9	19.4	4.53	0.50	0.01	881	872
-30	0.20	2.34	11.4	30.1	52.7	76.1	103	124	136	134	117	90.8	63.1	38.2	15.6	3.13	0.37	0.01	997	987
-40	0.17	1.74	8.77	25.0	46.8	72.2	106	139	159	153	124	87.2	54.9	29.3	10.1	1.83	0.23	0.01	1019	1007
-50	0.14	1.19	5.54	17.0	35.5	61.4	99.6	146	176	171	131	77.9	40.2	16.8	4.87	0.93	0.12	0.00	985	968
-60	0.11	0.76	2.88	8.86	19.9	38.9	73.1	123	155	142	90.3	40.7	15.5	5.35	1.55	0.35	0.05	0.00	718	691
-70	0.08	0.44	1.27	3.07	6.02	10.6	19.2	32.9	42.2	35.4	18.8	7.19	2.55	0.96	0.33	0.09	0.01	0.00	181	130
-80	0.06	0.22	0.45	0.74	1.05	1.42	1.95	2.42	2.36	1.63	0.80	0.38	0.18	0.08	0.03	0.01	0.00	0.00	13.8	0.00
-90	0.05	0.19	0.37	0.59	0.82	1.00	1.10	1.09	0.95	0.72	0.48	0.26	0.12	0.04	0.02	0.02	0.01	0.00	7.82	0.00
-90 -80 -70 -60 -50 -40 -30 -20 HORIZONTAL (DEG) 20 30 40 50 60 70 80 90																				
Φ t	2.93	29.2	118	277	462	669	901	1131	1264	1216	1010	750	513	318	144	36.9	4.87	0.14	8848	---
Φ a	0.00	0.00	79.2	238	426	639	874	1106	1240	1191	983	721	477	276	102	2.16	0.00	0.00	---	8355

one-half-peak spread: U:8.7,D:38.1 , L:54.9,R:55.5

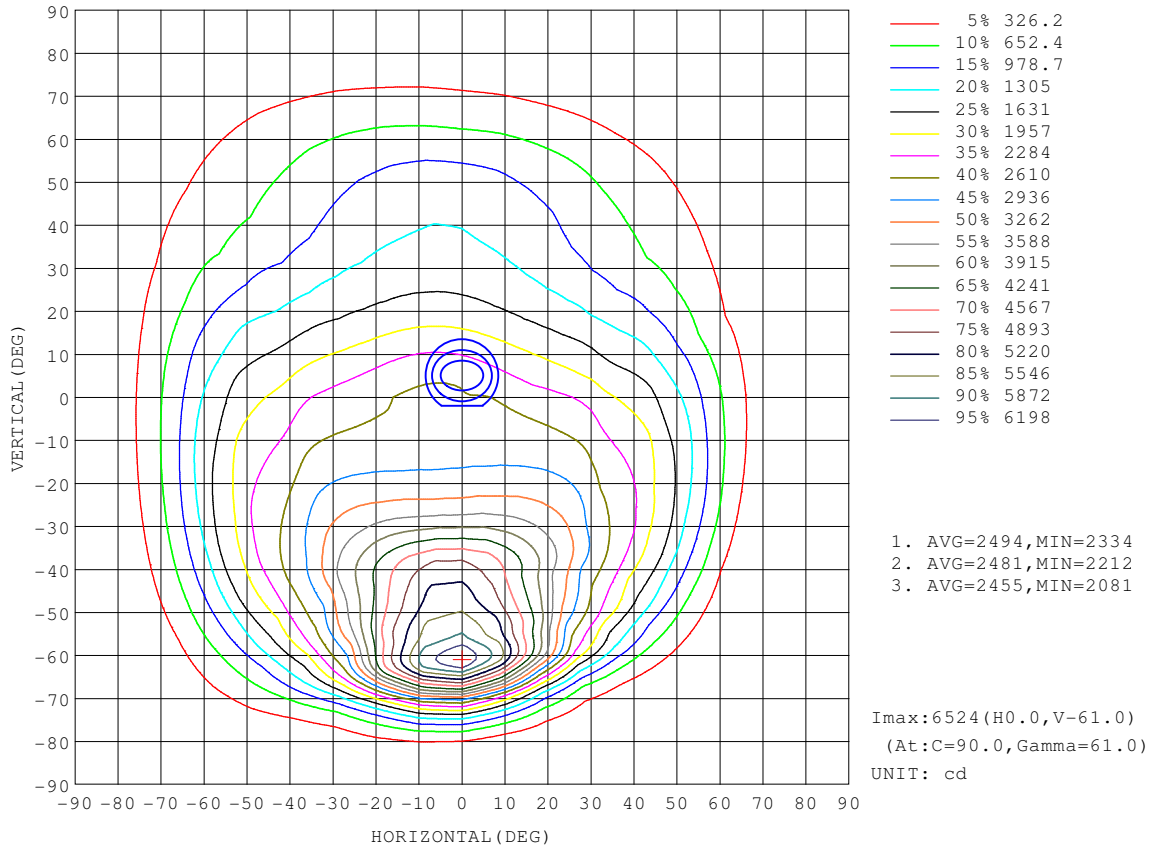
NEMA Beam Type: Type 7

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-80WATT-ASYMETRYK

ISOCANDELA DIAGRAM

Test:U:230.46V I:0.3538A P:79.407W PF:0.9738 Freq:50.01Hz Lamp Flux:8847.63x1 lm		
NAME: KYH-Mini	TYPE:OUTDOOR	WEIGHT:4kg
SPEC.:50 WATT	DIM.: 220X390X50	SERIAL No.:
MFR.: LITPA AYDINLATMA	SUR.:	Shielding Angle:

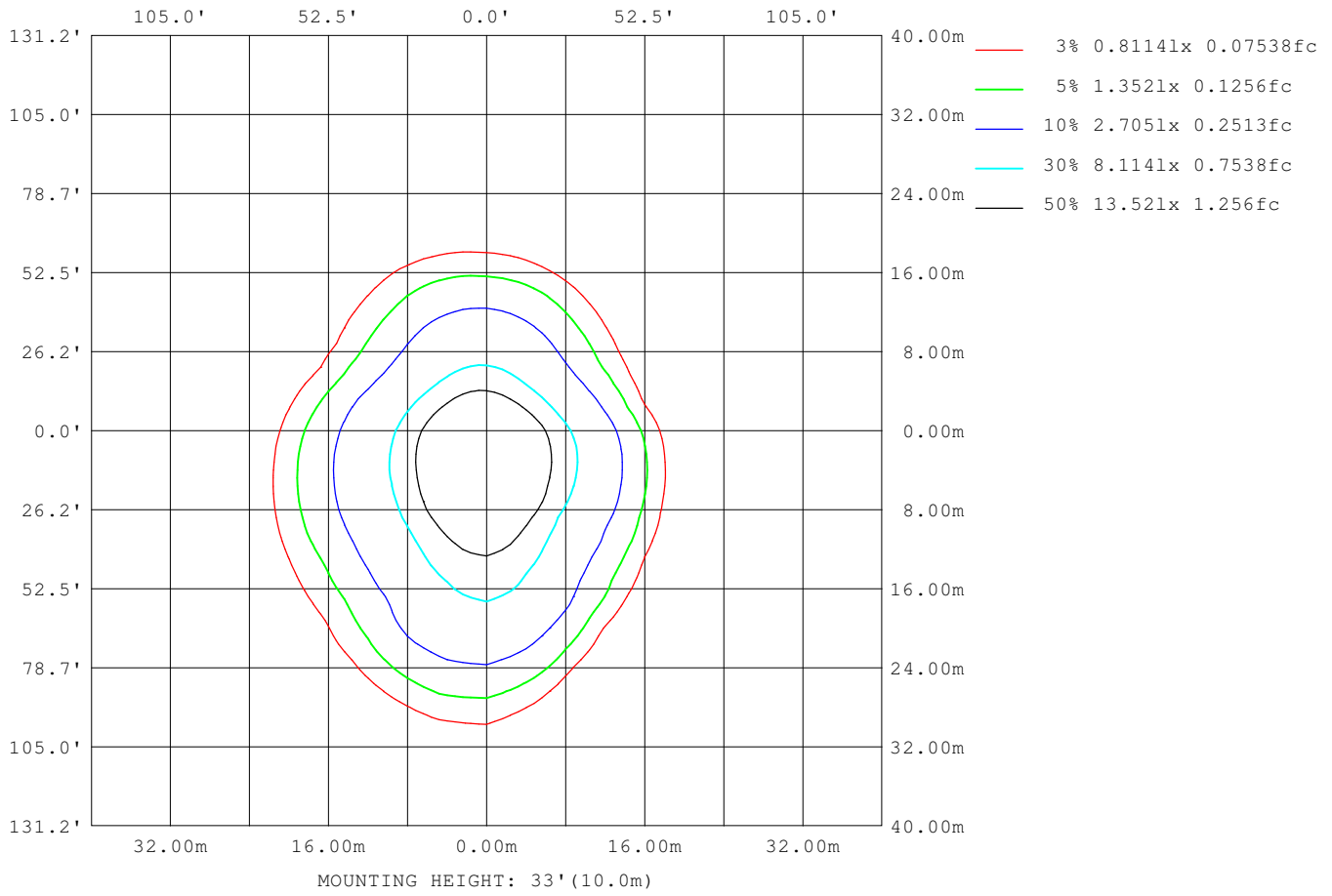


C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature: 20DEG
Operators: LITPA
Test Date: 12/05/2021

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-80WATT-ASÝMETRÝK

ISOLUX DIAGRAM

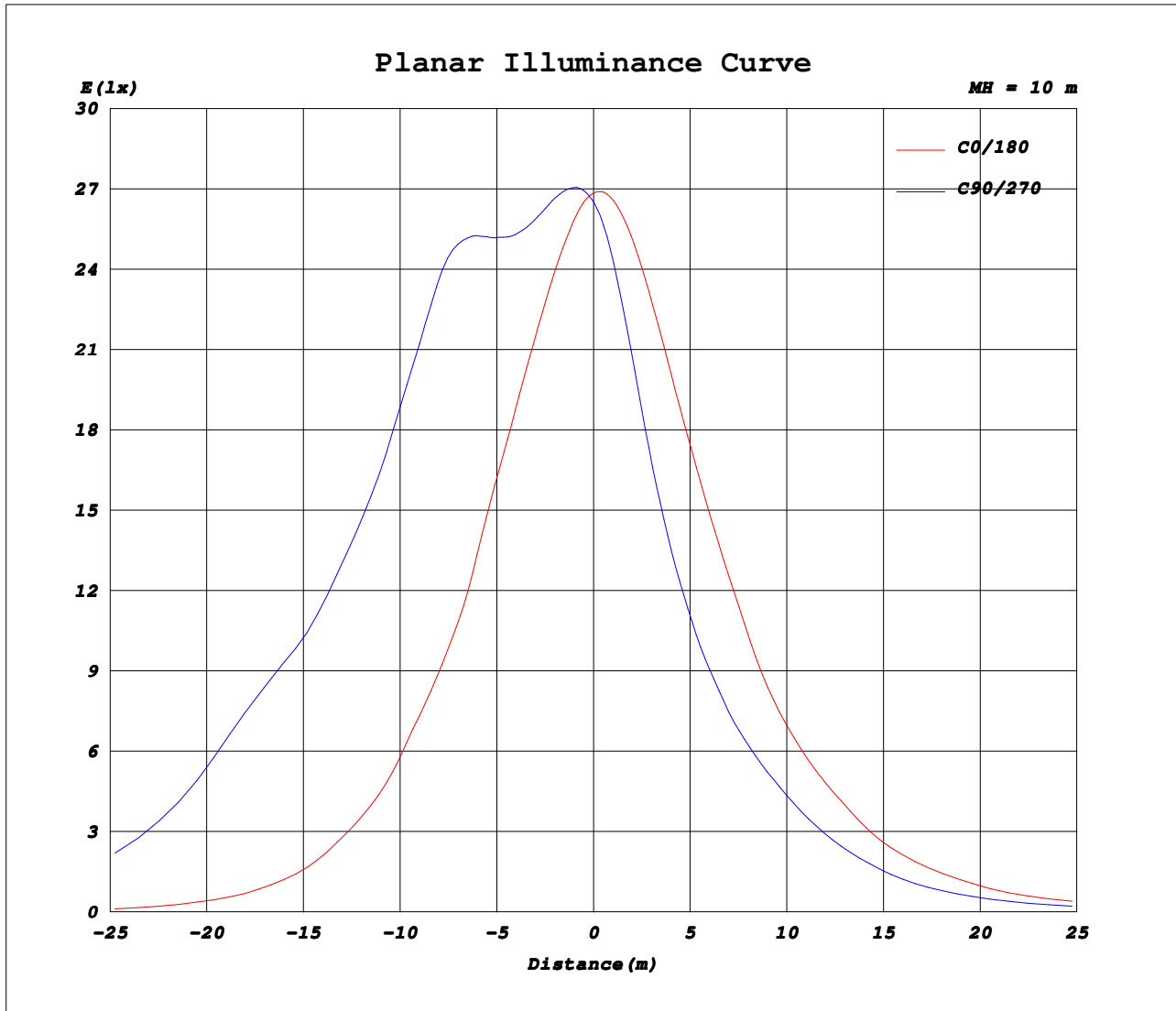
Test:U:230.46V I:0.3538A P:79.407W PF:0.9738 Freq:50.01Hz Lamp Flux:8847.63x1 lm		
NAME: KYH-Mini	TYPE:OUTDOOR	WEIGHT:4kg
SPEC.:50 WATT	DIM.: 220X390X50	SERIAL No.:
MFR.: LITPA AYDINLATMA	SUR.:	Shielding Angle:



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-80WATT-ASÝMETRÝK

Planar Illuminance Curve

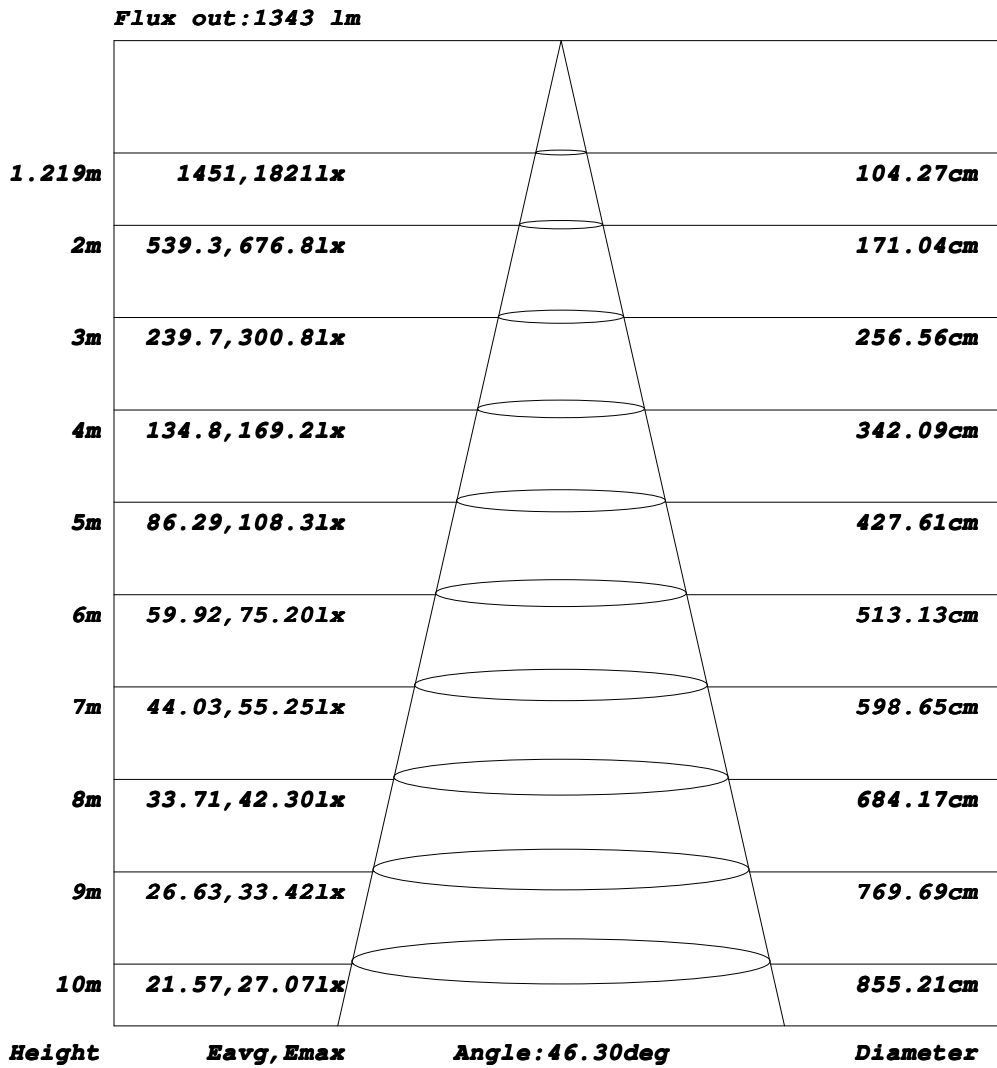


C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature: 20DEG
Operators: LITPA
Test Date: 12/05/2021

γ Range: 0 - 90DEG
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Test System: EVERFINE GO-2000B_V1 SYSTEM V2.0.400
Humidity: 65.0%
Test Distance: 7.200m [K=1.0000]
Remarks: KYH-80WATT-ASÝMETRÝK

AAI Figure

Test:U:230.46V I:0.3538A P:79.407W PF:0.9738 Freq:50.01Hz Lamp Flux:8847.63x1 lm		
NAME: KYH-Mini	TYPE:OUTDOOR	WEIGHT:4kg
SPEC.:50 WATT	DIM.: 220X390X50	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-80WATT-ASYMETRYK

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:230.46V I:0.3538A P:79.407W PF:0.9738 Freq:50.01Hz Lamp Flux:8847.63x1 lm		
NAME: KYH-Mini	TYPE:OUTDOOR	WEIGHT:4kg
SPEC.:50 WATT	DIM.: 220X390X50	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	16.1	17.5	18.8	18.7	18.5	17.9	17.2	16.2	15.2	13.9	12.6	11.6	10.5	9.27	8.04	6.58	5.11	4.41	3.70
-85	16.1	20.2	24.4	27.3	30.3	33.4	36.9	38.7	40.7	43.0	45.2	45.3	46.3	45.3	43.4	38.3	31.4	28.4	25.1
-80	16.1	22.9	31.0	38.6	47.5	58.1	70.5	82.2	96.2	110	122	144	170	216	268	302	336	334	324
-75	16.1	26.0	38.8	52.9	70.5	93.6	125	161	210	255	298	369	444	602	787	991	1188	1237	1254
-70	16.1	29.2	47.7	70.3	99.4	142	212	299	408	527	689	895	1139	1514	1991	2464	2921	3067	3097
-65	16.1	32.6	57.4	90.7	134	206	330	491	682	908	1216	1565	2054	2723	3585	4379	5027	5313	5454
-60	16.1	36.3	67.9	113	175	290	485	716	976	1308	1641	2054	2626	3272	4264	5099	5845	6228	6494
-55	16.1	39.9	79.5	138	228	398	658	958	1299	1640	2037	2472	2987	3613	4364	5003	5497	5756	5886
-50	16.1	43.5	91.3	164	293	533	840	1177	1600	1908	2322	2687	3170	3760	4330	4839	5251	5478	5564
-45	16.1	47.1	103	195	365	646	1008	1423	1833	2174	2528	2886	3306	3844	4283	4741	5090	5295	5336
-40	16.1	50.3	114	225	446	761	1146	1625	1976	2379	2692	3021	3499	3894	4276	4623	4887	5036	5049
-35	16.1	53.4	125	254	516	868	1268	1733	2102	2470	2729	3029	3434	3726	4012	4244	4411	4524	4540
-30	16.1	56.3	135	286	566	941	1394	1796	2178	2480	2702	3009	3291	3483	3638	3754	3821	3877	3885
-25	16.1	58.8	144	314	602	989	1470	1823	2223	2451	2649	2922	3121	3229	3290	3338	3351	3369	3385
-20	16.1	60.8	151	336	630	1020	1493	1825	2198	2386	2570	2816	2944	3008	3036	3048	3053	3057	3070
-15	16.1	62.3	157	354	651	1033	1486	1804	2139	2304	2475	2695	2791	2832	2859	2874	2883	2889	2899
-10	16.1	63.4	161	365	661	1028	1452	1761	2057	2207	2365	2559	2644	2692	2728	2765	2787	2799	2806
-5	16.1	63.9	163	368	655	1005	1399	1694	1957	2095	2248	2420	2502	2556	2616	2675	2713	2731	2737
0	16.1	63.9	163	365	636	965	1331	1601	1845	1973	2118	2285	2380	2463	2546	2624	2679	2701	2686
5	16.1	63.6	161	351	603	903	1234	1480	1698	1810	1936	2083	2174	2264	2362	2459	2524	2546	2503
10	16.1	62.9	157	333	561	831	1127	1342	1542	1638	1745	1878	1963	2043	2136	2227	2288	2304	2270
15	16.1	61.6	152	311	513	750	1009	1195	1379	1466	1557	1671	1752	1819	1902	1975	2022	2032	2002
20	16.1	59.8	145	286	462	665	890	1050	1205	1280	1372	1480	1549	1626	1692	1747	1786	1795	1767
25	16.1	57.6	137	261	411	587	774	903	1023	1123	1205	1297	1392	1459	1521	1578	1609	1616	1594
30	16.1	55.0	128	235	365	520	660	759	887	981	1048	1158	1241	1321	1386	1438	1469	1478	1459
35	16.1	51.9	119	210	328	455	560	663	769	847	945	1035	1129	1209	1279	1334	1368	1378	1358
40	16.1	48.7	108	186	290	395	479	592	674	769	860	946	1043	1125	1199	1256	1292	1306	1296
45	16.1	45.3	97.0	165	253	344	430	527	604	701	789	879	974	1064	1135	1195	1230	1244	1234
50	16.1	41.7	85.7	145	219	297	380	463	547	630	719	797	882	971	1035	1088	1119	1128	1113
55	16.1	38.0	74.2	125	185	252	327	399	480	553	633	710	786	864	914	953	975	975	958
60	16.1	34.4	62.8	104	152	207	270	334	400	472	530	598	656	707	741	764	771	762	740
65	16.1	30.6	52.4	83.3	121	163	210	262	316	366	417	463	510	544	563	575	576	564	543
70	16.1	27.3	43.0	63.9	91.1	120	152	188	226	262	294	326	356	376	387	394	394	383	366
75	16.1	24.1	34.4	47.2	63.5	81.3	101	122	144	163	181	200	217	227	231	236	237	226	212
80	16.1	21.1	26.9	33.5	41.4	49.2	57.3	67.2	77.6	84.1	89.9	96.0	101	103	103	103	102	94.0	84.0
85	16.1	18.5	20.7	22.9	25.1	26.6	28.2	30.1	32.3	33.4	33.7	34.3	34.7	33.2	31.1	29.4	27.3	23.6	19.5
90	16.1	16.0	15.9	15.2	14.5	13.6	12.7	11.8	10.8	9.60	8.42	6.83	5.23	3.32	1.41	1.63	1.84	2.04	2.23

C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
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Operators: LITPA
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γ Range: 0 - 90DEG
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LUMINOUS DISTRIBUTION INTENSITY DATA

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SPEC.:50 WATT	DIM.: 220X390X50	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	2.61	1.51	1.06	0.61	0.58	0.56	0.54	0.52	0.52	0.52	0.52	0.52	0.52	0.51	0.55	0.58	0.61	0.64	
-85	21.7	18.2	15.4	12.5	9.76	7.06	5.32	3.77	2.40	0.97	0.50	0.47	0.46	0.45	0.50	0.55	0.59	0.64	
-80	256	184	129	78.0	50.4	31.9	23.4	17.2	12.2	8.35	5.68	3.62	1.27	0.45	0.47	0.52	0.57	0.64	
-75	1034	795	552	339	223	131	89.8	57.1	38.1	24.5	16.3	10.2	5.74	2.38	0.46	0.50	0.55	0.64	
-70	2611	2074	1470	936	586	338	225	144	94.5	60.5	38.2	22.7	12.6	6.05	1.96	0.48	0.54	0.64	
-65	4853	4122	3112	2167	1410	869	561	346	219	130	77.9	44.9	23.7	11.6	4.98	0.64	0.52	0.64	
-60	6048	5454	4474	3434	2424	1690	1149	738	449	268	148	79.2	40.7	19.2	7.73	1.26	0.51	0.64	
-55	5574	5151	4458	3645	2725	2140	1559	1153	758	462	255	128	63.2	30.1	11.9	3.42	0.50	0.64	
-50	5296	4924	4395	3743	3019	2492	1984	1515	1052	693	391	190	91.0	43.8	17.0	4.86	0.49	0.64	
-45	5060	4683	4218	3715	3164	2623	2203	1748	1362	937	551	263	125	59.4	23.1	5.91	0.49	0.64	
-40	4854	4549	4158	3715	3248	2740	2413	1971	1612	1133	727	347	163	77.2	30.2	7.76	0.48	0.64	
-35	4458	4260	4001	3697	3341	2903	2553	2171	1796	1331	875	468	208	95.9	37.4	9.55	0.51	0.64	
-30	3893	3804	3670	3485	3239	2851	2578	2303	1882	1481	1003	578	258	115	44.3	11.4	0.57	0.64	
-25	3412	3393	3353	3251	3102	2819	2544	2321	1937	1576	1087	652	303	131	51.1	13.0	0.61	0.64	
-20	3091	3101	3089	3041	2944	2727	2480	2288	1936	1603	1137	701	344	146	56.7	14.6	0.63	0.64	
-15	2905	2909	2898	2863	2790	2621	2387	2219	1926	1595	1155	737	376	157	61.5	15.8	0.63	0.64	
-10	2800	2781	2754	2708	2639	2496	2271	2123	1874	1550	1146	747	397	165	64.7	16.6	0.61	0.64	
-5	2722	2675	2621	2559	2478	2349	2132	1994	1776	1469	1105	730	400	168	66.3	17.0	0.59	0.64	
0	2634	2558	2475	2388	2296	2169	1972	1845	1640	1366	1032	690	388	166	66.2	17.0	0.55	0.64	
5	2422	2323	2220	2120	2022	1913	1755	1650	1470	1221	917	613	352	158	65.1	16.9	0.61	0.64	
10	2194	2093	1992	1897	1804	1696	1555	1454	1280	1058	784	524	308	146	62.5	16.4	0.66	0.64	
15	1936	1852	1762	1676	1584	1483	1358	1264	1109	906	648	431	260	133	58.6	15.6	0.71	0.64	
20	1715	1641	1556	1477	1391	1272	1175	1078	932	773	563	362	215	119	53.3	14.5	0.75	0.64	
25	1547	1477	1401	1311	1224	1116	1003	915	791	647	486	324	185	108	47.7	13.0	0.80	0.64	
30	1416	1350	1275	1188	1092	978	885	775	672	557	419	287	165	92.0	41.2	11.4	0.83	0.64	
35	1318	1255	1181	1092	989	891	788	693	577	486	366	247	142	77.0	34.2	9.56	0.87	0.64	
40	1256	1195	1119	1031	930	824	728	627	525	426	319	207	117	61.9	27.0	7.99	0.92	0.64	
45	1192	1131	1054	964	861	754	660	558	467	369	269	168	89.5	47.9	20.8	6.55	0.97	0.64	
50	1076	1022	952	863	769	675	580	489	400	307	214	127	61.4	35.5	16.0	5.09	1.02	0.64	
55	930	885	821	742	659	570	481	401	321	238	156	88.3	44.2	25.0	11.6	3.42	1.07	0.64	
60	721	689	640	582	517	444	370	301	236	166	103	55.1	29.2	17.3	7.86	1.66	1.12	0.64	
65	527	501	459	413	363	310	254	199	149	98.3	56.4	29.3	18.1	10.3	4.86	1.70	1.17	0.64	
70	352	331	297	259	224	186	145	108	74.8	46.9	24.7	13.1	9.45	5.73	1.79	1.77	1.21	0.64	
75	197	178	153	127	106	84.2	62.6	42.6	27.8	16.5	9.35	7.27	4.46	1.49	1.59	1.86	1.25	0.64	
80	75.9	66.7	55.1	43.2	33.7	25.0	17.3	10.9	6.44	3.97	2.78	1.13	1.21	1.35	1.66	1.94	1.29	0.64	
85	16.6	13.6	10.7	7.42	4.62	2.34	1.30	1.07	1.11	1.14	1.18	1.22	1.34	1.46	1.74	2.01	1.33	0.64	
90	2.27	2.31	2.20	2.09	1.92	1.75	1.62	1.50	1.46	1.43	1.44	1.44	1.50	1.56	1.82	2.09	1.36	0.64	

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-80WATT-ASYMETRYK