

Floodlight Summary:

Report based on lamp delivering 1000 lumens.

Maximum Intensity	513.8 cd per klm.
(Luminaire orientation as tested.)	0.0 degrees vertical
	0.0 degrees horizontal

Beam Spread	At 10% of Imax	110.6V x 109.8H
	At 50% of Imax	96.9V x 94.5H
	At 90% of Imax	89.9V x 87.4H

Beam Flux	Total	1000.0 lumens per klm.
	To 10% of Imax	959.6 lumens per klm.
	To 50% of Imax	889.3 lumens per klm.
	To 90% of Imax	207.2 lumens per klm.

Upward LOR	0.0 %
Downward LOR	100.0 %

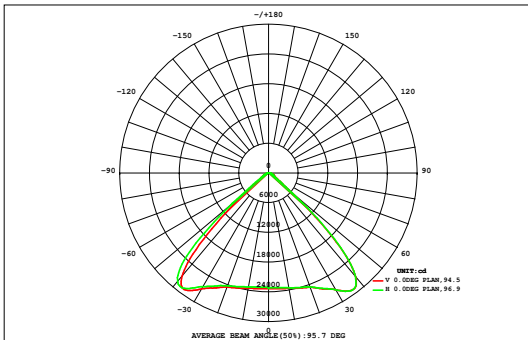
Luminaire Efficiency (Light Output Ratio)	100.0 %
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C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature: 20DEG
Operators: LITPA
Test Date: 16/11/2021

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-XL 475W 6500K

LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:230.18V I:2.0570A P:468.79W PF:0.9901 Freq:50.01Hz Lamp Flux:63070.7x1 lm		
NAME: KYH-XL	TYPE:OUTDOOR	WEIGHT:28 kg
SPEC.:475 WATT	DIM.: 540X660X70	SERIAL No.:
MFR.: LITPA AYDINLATMA	SUR.:	Shielding Angle:



DATA OF LAMP		Eff:134.54lm/W	
MODEL	KYH-XL	Imax (cd)	32408
NOMINAL POWER (W)	475	AVAILABILITY (%)	95.9
RATED VOLTAGE (V)	230.0	Avai. FLUX (lm)	60515
NOMINAL FLUX (lm)	63070.7	LOR (%)	100.0
LAMPS INSIDE	1	TOTAL FLUX (lm)	63071
TEST VOLTAGE (V)	230	θ @50% (H, V)	95, 97DEG

VERTICAL (DEG)	AREA FLUX DIAGRAM																UNIT:lm		Φ t	Φ a
	0.02	0.09	0.22	0.46	0.75	1.09	1.48	1.86	2.11	2.20	2.07	1.65	1.18	0.77	0.42	0.20	0.08	0.02	16.7	0.00
90	0.02	0.09	0.22	0.46	0.75	1.09	1.48	1.86	2.11	2.20	2.07	1.65	1.18	0.77	0.42	0.20	0.08	0.02	16.7	0.00
80	0.03	0.31	1.24	2.87	5.03	7.60	10.2	12.3	13.5	14.2	13.8	11.1	7.98	5.17	2.67	1.06	0.27	0.03	109	0.00
70	0.06	0.81	3.23	7.29	12.5	18.3	23.7	27.5	30.0	31.8	30.8	25.5	18.5	12.5	7.03	2.88	0.70	0.05	253	0.00
60	0.10	1.48	5.56	12.1	21.3	40.2	86.4	128	131	92.7	68.4	50.4	33.1	21.1	12.0	5.23	1.31	0.08	711	323
50	0.15	2.19	7.90	17.2	43.2	238	570	717	714	582	427	277	142	48.5	17.8	7.59	1.98	0.13	3815	3657
40	0.21	2.88	10.2	24.1	122	601	864	885	870	847	817	744	579	223	28.4	9.56	2.63	0.18	6631	6530
30	0.27	3.48	12.4	33.0	246	714	806	794	777	764	772	784	767	445	52.5	11.1	3.20	0.23	6984	6898
	0.31	3.94	14.0	41.7	336	720	747	734	728	720	719	729	735	508	67.9	12.6	3.66	0.27	6819	6735
	0.33	4.19	14.7	48.2	379	711	715	709	709	701	698	699	705	441	60.3	14.0	3.96	0.29	6613	6528
	0.33	4.10	14.0	52.4	415	714	714	706	707	711	713	717	712	373	46.1	14.4	3.97	0.29	6617	6526
	0.30	3.68	12.0	48.7	437	748	751	738	730	731	739	753	726	334	40.2	13.4	3.68	0.26	6809	6725
	0.24	3.11	10.3	36.8	370	769	810	799	785	786	800	815	733	247	30.7	11.7	3.20	0.22	7011	6922
-30	0.18	2.46	8.76	23.6	180	543	735	815	852	874	879	864	605	123	22.3	9.45	2.59	0.17	6539	6442
-40	0.12	1.79	6.84	16.2	40.8	120	237	361	482	598	585	498	224	40.4	16.1	7.18	1.91	0.12	3237	3073
-50	0.08	1.13	4.62	11.0	19.4	30.5	45.4	60.5	73.9	89.6	82.7	65.5	38.2	20.2	11.3	4.91	1.22	0.07	560	156
-60	0.04	0.56	2.46	6.32	11.3	16.8	22.9	28.4	29.8	28.3	25.9	22.4	17.6	11.6	6.55	2.69	0.61	0.04	234	0.00
-70	0.03	0.20	0.85	2.24	4.44	6.95	9.56	12.1	12.7	12.3	11.5	9.57	7.11	4.47	2.35	0.92	0.21	0.02	97.5	0.00
-80	0.01	0.06	0.15	0.31	0.57	0.88	1.21	1.53	1.67	1.69	1.59	1.30	0.93	0.60	0.32	0.15	0.06	0.01	13.0	0.00
-90	0.01	0.06	0.15	0.31	0.57	0.88	1.21	1.53	1.67	1.69	1.59	1.30	0.93	0.60	0.32	0.15	0.06	0.01	13.0	0.00
	-90	-80	-70	-60	-50	-40	-30	-20	HORIZONTAL (DEG)	20	30	40	50	60	70	80	90			
Φ t	2.82	36.4	129	384	2645	6001	7150	7530	7649	7587	7386	7068	6052	2859	425	129	35.2	2.48	63071	---
Φ a	0.00	0.00	0.00	103	2471	5849	6989	7360	7479	7413	7212	6904	5897	2689	148	0.00	0.00	0.00	---	60515

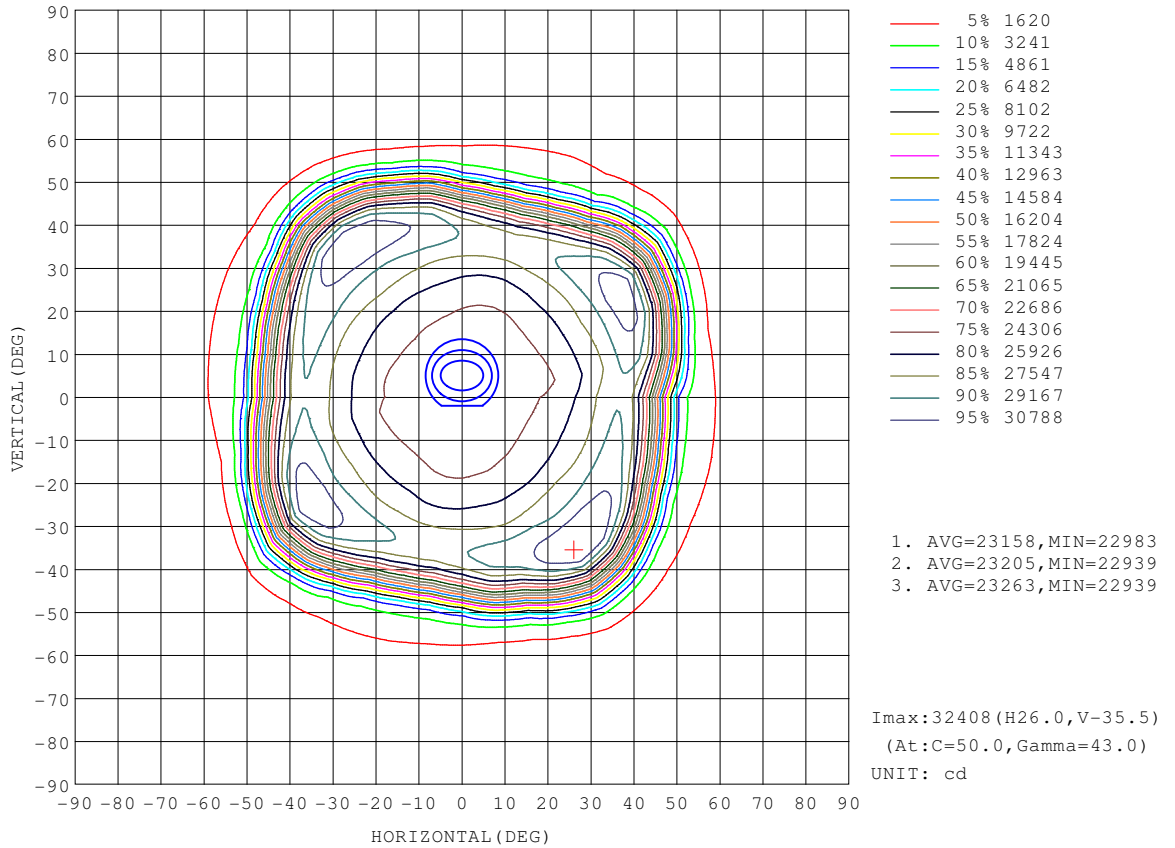
one-half-peak spread: U:11.7,D:11.2 , L:11.5,R:11.1 NEMA Beam Type: Type 6

C Range: 0 - 360DEG
 C Interval: 10.0DEG
 Test Speed: HIGH
 Temperature: 20DEG
 Operators: LITPA
 Test Date: 16/11/2021

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-XL 475W 6500K

ISOCANDELA DIAGRAM

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SPEC.:475 WATT	DIM.: 540X660X70	SERIAL No.:
MFR.: LITPA AYDINLATMA	SUR.:	Shielding Angle:

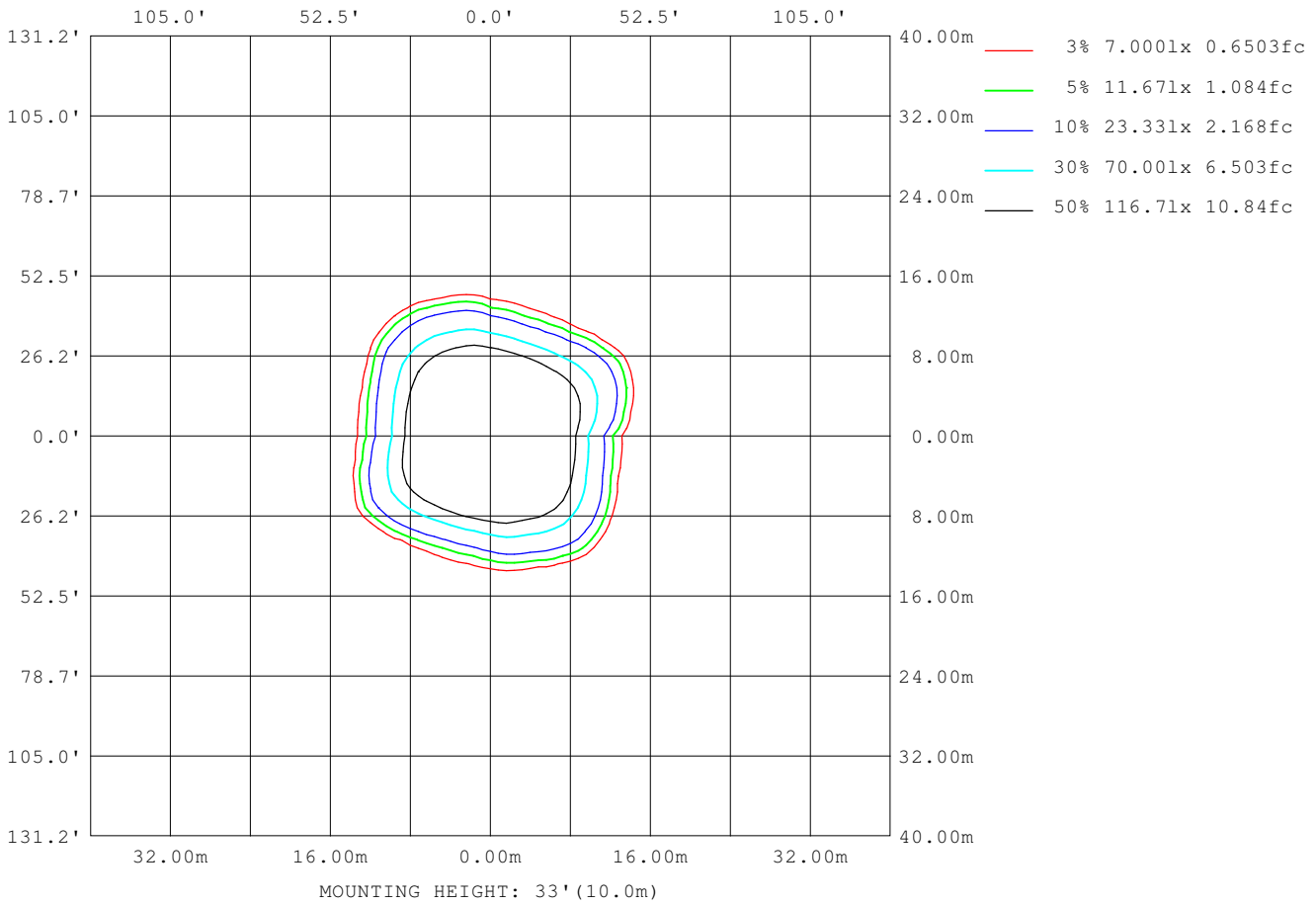


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ISOLUX DIAGRAM

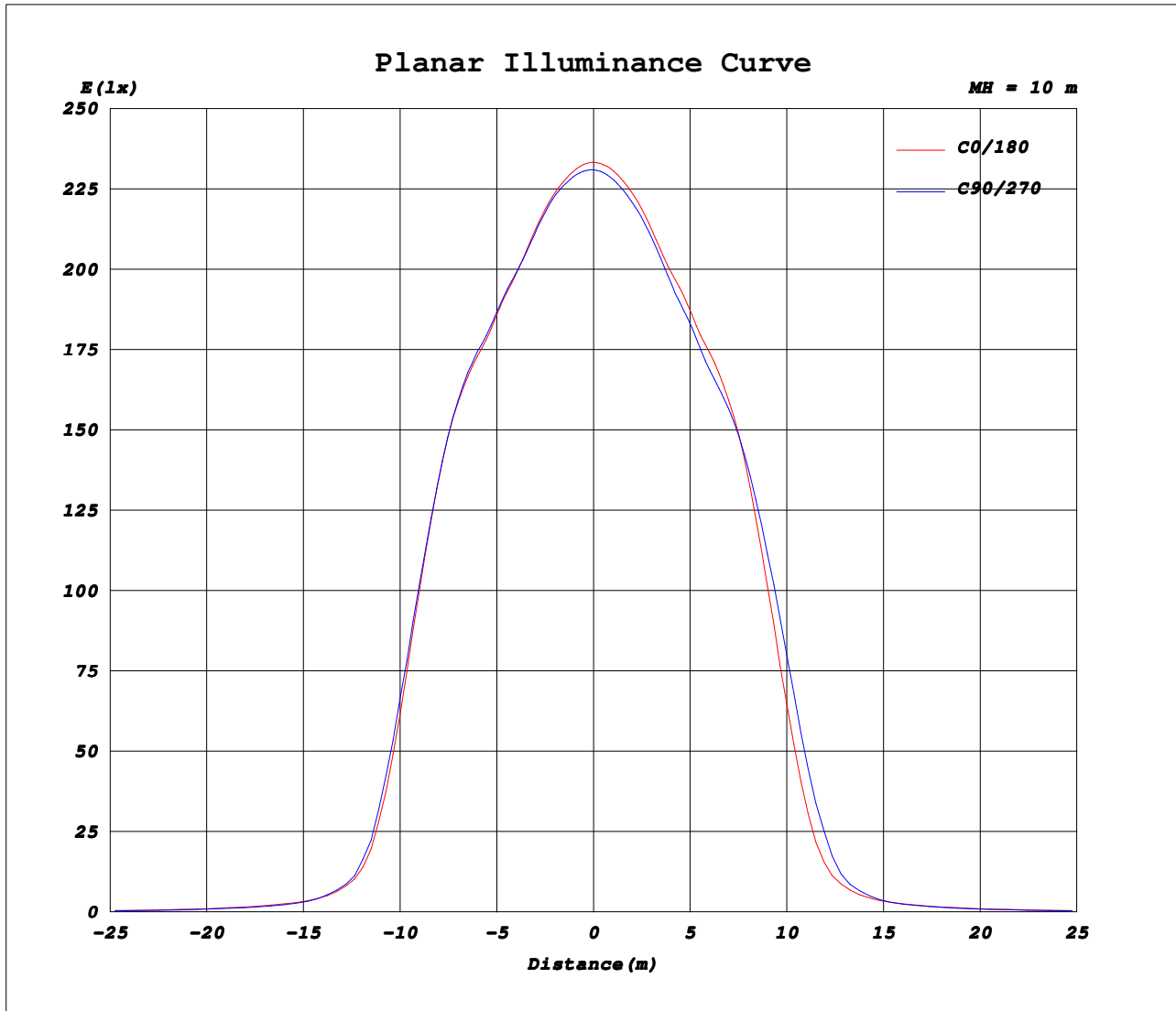
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Planar Illuminance Curve

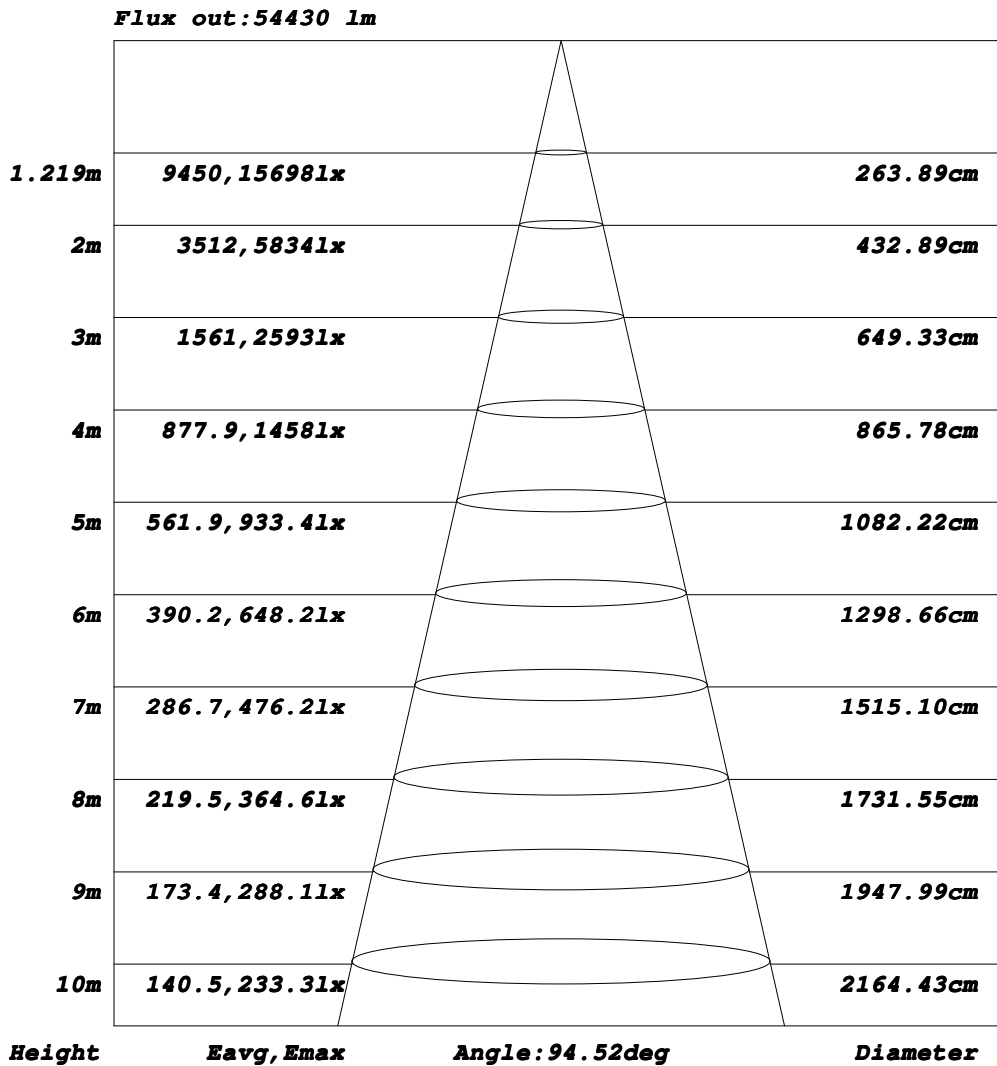


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AAI Figure

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NAME: KYH-XL	TYPE:OUTDOOR	WEIGHT:28 kg
SPEC.:475 WATT	DIM.: 540X660X70	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.

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LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:230.18V I:2.0570A P:468.79W PF:0.9901 Freq:50.01Hz Lamp Flux:63070.7x1 lm		
NAME: KYH-XL	TYPE:OUTDOOR	WEIGHT:28 kg
SPEC.:475 WATT	DIM.: 540X660X70	SERIAL No.:
MFR.: LITPA AYDINLATMA	SUR.:	Shielding Angle:

Table--1

UNIT: jÁ10cd

H (DEG) V (DEG)	-90	-85	-80	-75	-70	-65	-60	-55	-50	-45	-40	-35	-30	-25	-20	-15	-10	-5	0
-90	0.46	0.44	0.41	0.41	0.42	0.42	0.42	0.42	0.41	0.40	0.39	0.38	0.37	0.37	0.36	0.36	0.36	0.37	0.38
-85	0.46	0.56	0.53	0.65	0.80	0.96	1.16	1.32	1.52	1.77	1.99	2.18	2.39	2.65	2.88	2.98	3.02	3.16	3.25
-80	0.46	0.69	0.82	1.17	1.73	2.55	3.69	4.97	6.40	8.06	10.1	11.5	12.5	14.8	17.3	17.9	18.1	18.1	17.7
-75	0.46	0.83	1.19	2.13	3.80	6.10	8.78	12.1	15.6	19.9	24.2	27.2	29.9	33.8	37.8	39.9	41.0	40.9	39.9
-70	0.46	0.98	1.78	3.78	7.15	11.4	16.6	22.9	29.0	35.9	41.9	46.8	51.0	57.3	64.4	68.1	69.7	68.7	66.6
-65	0.46	1.15	2.66	6.31	11.6	18.1	26.9	36.0	44.1	52.3	59.8	66.9	74.0	82.4	91.3	96.7	99.1	98.1	95.7
-60	0.46	1.40	3.77	9.43	16.8	26.0	37.8	49.3	59.7	69.9	79.6	88.9	100	112	124	131	133	134	132
-55	0.46	1.63	5.45	13.0	22.6	35.1	48.7	63.2	75.9	87.4	102	117	138	157	177	191	201	211	222
-50	0.46	1.99	7.44	16.9	28.8	43.3	59.8	76.1	93.6	114	139	170	207	252	302	354	412	501	621
-45	0.46	2.41	9.70	20.8	35.4	51.9	70.1	89.4	120	161	228	377	511	734	932	1164	1400	1623	1885
-40	0.46	2.81	12.3	24.7	41.4	60.0	79.2	104	157	320	653	1197	1628	1919	2124	2340	2496	2600	2730
-35	0.46	3.22	14.8	28.8	46.9	66.9	87.7	119	237	781	1580	2316	2647	2780	2829	2869	2875	2873	2898
-30	0.46	3.65	17.0	32.9	52.0	72.7	96.0	136	351	1273	2465	2973	3093	3023	2947	2870	2788	2740	2722
-25	0.46	4.04	19.0	36.8	57.5	77.7	103	160	515	1729	2855	3194	3098	2944	2811	2708	2625	2578	2569
-20	0.46	4.38	20.9	40.4	63.1	83.6	108	182	690	2018	2972	3133	2971	2810	2693	2596	2518	2462	2448
-15	0.46	4.66	22.5	43.7	68.0	91.3	118	193	748	2108	2952	3046	2862	2728	2593	2499	2440	2402	2393
-10	0.46	4.89	23.8	46.5	72.2	98.7	131	223	759	2092	2878	2955	2781	2644	2509	2437	2392	2362	2352
-5	0.46	5.06	24.9	48.7	75.8	105	143	239	725	2005	2807	2907	2720	2579	2456	2393	2350	2324	2321
0	0.46	5.16	25.6	50.3	78.6	111	152	236	587	1832	2730	2896	2722	2577	2455	2404	2364	2341	2333
5	0.46	5.13	25.3	49.6	78.0	110	152	232	579	1807	2728	2908	2736	2586	2464	2407	2364	2334	2313
10	0.46	5.04	24.6	48.3	76.6	109	150	220	515	1665	2689	2934	2785	2635	2508	2439	2390	2354	2333
15	0.46	4.88	23.6	46.3	74.4	105	145	206	457	1553	2630	2965	2860	2701	2577	2488	2434	2396	2374
20	0.46	4.65	22.3	43.7	71.1	101	137	192	380	1318	2509	2980	2954	2790	2681	2571	2495	2452	2423
25	0.46	4.35	20.7	40.9	66.9	94.6	126	174	301	1026	2296	2974	3050	2912	2799	2703	2613	2551	2516
30	0.46	3.98	18.9	37.5	61.1	86.4	114	154	241	700	1907	2876	3161	3083	2935	2829	2755	2692	2645
35	0.46	3.55	16.9	33.8	55.1	77.7	101	133	184	382	1392	2584	3110	3211	3132	3029	2950	2891	2849
40	0.46	3.14	14.5	29.9	48.8	69.3	89.3	113	147	248	787	1821	2641	3042	3143	3099	3053	2977	2857
45	0.46	2.73	12.0	25.8	42.2	60.6	78.2	96.5	119	164	332	850	1589	2168	2497	2590	2630	2531	2263
50	0.46	2.28	9.51	21.4	35.8	51.6	66.9	82.4	99.2	123	167	286	539	882	1148	1265	1369	1269	952
55	0.46	1.89	7.25	17.1	29.3	42.3	55.7	68.4	82.3	96.5	114	139	175	231	273	299	329	316	266
60	0.46	1.61	5.32	13.1	22.8	33.3	44.4	54.9	66.1	77.2	86.9	97.9	109	118	124	129	134	138	140
65	0.46	1.33	3.78	9.13	16.5	24.4	33.0	41.6	49.4	57.8	65.8	72.6	79.7	84.8	88.1	91.4	94.3	96.9	98.5
70	0.46	1.15	2.56	5.76	10.7	16.1	21.7	27.7	33.8	39.5	45.2	50.8	55.7	59.8	63.0	66.0	68.1	69.7	70.7
75	0.46	1.01	1.70	3.34	5.98	9.05	12.4	15.8	19.1	22.5	26.2	30.0	33.7	36.9	39.8	42.0	43.9	44.6	44.6
80	0.46	0.86	1.18	1.76	2.84	4.01	5.26	6.96	8.61	9.75	10.8	12.8	14.7	16.1	17.3	19.2	21.0	21.1	20.8
85	0.46	0.68	0.88	1.05	1.22	1.40	1.68	1.98	2.38	2.61	2.73	3.15	3.60	3.80	3.96	4.31	4.61	4.74	4.81
90	0.46	0.49	0.52	0.53	0.55	0.55	0.55	0.54	0.54	0.51	0.49	0.49	0.48	0.48	0.48	0.49	0.50	0.49	0.49

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MFR.: LITPA AYDINLATMA	SUR.:	Shielding Angle:

Table--2

UNIT: jÁ10cd

H (DEG) V (DEG)	5	10	15	20	25	30	35	40	45	50	55	60	65	70	75	80	85	90
-90	0.39	0.41	0.41	0.41	0.42	0.43	0.43	0.43	0.43	0.43	0.42	0.41	0.40	0.39	0.39	0.38	0.38	0.38
-85	3.29	3.27	3.32	3.31	3.10	2.83	2.55	2.30	1.95	1.60	1.34	1.16	0.99	0.84	0.69	0.57	0.48	0.38
-80	17.9	17.7	17.4	16.8	14.8	12.9	11.4	9.69	8.00	6.53	5.10	3.59	2.55	1.70	1.22	0.90	0.58	0.38
-75	40.2	39.9	39.2	37.8	34.5	30.7	28.0	24.6	19.8	15.8	12.9	9.64	6.52	3.94	2.15	1.26	0.73	0.38
-70	65.4	63.8	62.6	60.4	56.8	52.6	48.4	42.8	36.3	29.5	23.9	18.2	12.5	7.74	3.99	1.82	0.91	0.38
-65	92.4	89.0	87.3	84.7	80.8	76.0	70.3	62.9	53.4	44.9	37.4	28.7	20.1	12.7	6.74	2.69	1.08	0.38
-60	127	122	118	115	110	104	95.2	83.9	72.4	60.9	50.9	39.7	28.5	18.6	10.1	3.86	1.24	0.38
-55	232	229	215	201	180	160	136	110	91.2	77.7	64.1	50.9	37.0	24.9	14.0	5.47	1.40	0.38
-50	806	835	728	739	622	462	265	157	116	94.0	77.5	61.6	45.7	31.4	18.1	7.39	1.68	0.38
-45	2109	2150	2062	2050	1875	1493	787	303	155	113	90.6	72.1	54.9	37.6	22.1	9.54	2.00	0.38
-40	2848	2887	2898	2966	2921	2592	1746	745	238	139	105	82.2	63.7	44.0	26.3	11.8	2.31	0.38
-35	2929	2966	3033	3135	3226	3142	2604	1398	395	175	122	93.7	72.2	50.2	30.5	14.1	2.63	0.38
-30	2734	2773	2875	2976	3124	3220	2963	1999	707	224	140	106	80.6	56.3	34.3	16.3	3.00	0.38
-25	2589	2630	2720	2818	2939	3105	3067	2367	1028	276	162	118	89.1	62.1	37.5	18.4	3.32	0.38
-20	2466	2508	2588	2712	2818	2977	3029	2548	1277	356	183	131	96.2	66.9	40.3	19.9	3.59	0.38
-15	2406	2442	2502	2601	2726	2876	2985	2656	1536	436	200	140	101	70.8	42.8	21.2	3.80	0.38
-10	2365	2401	2456	2530	2656	2795	2951	2710	1683	495	216	147	105	73.7	44.8	22.2	3.96	0.38
-5	2340	2374	2424	2482	2599	2738	2915	2731	1774	540	224	151	108	75.7	46.2	22.9	4.06	0.38
0	2340	2363	2402	2450	2562	2702	2889	2716	1745	528	223	152	109	76.8	47.0	23.3	4.10	0.38
5	2306	2324	2362	2414	2509	2653	2856	2850	2129	859	260	146	106	75.2	46.2	23.0	4.10	0.38
10	2331	2355	2398	2455	2562	2702	2884	2979	2447	1060	273	138	101	72.7	44.9	22.4	4.04	0.38
15	2369	2391	2440	2515	2646	2771	2965	3057	2491	1113	257	127	95.2	69.4	43.0	21.5	3.92	0.38
20	2413	2438	2513	2607	2725	2864	3073	3109	2449	1032	248	118	89.1	65.4	40.5	20.3	3.74	0.38
25	2512	2544	2615	2711	2844	2996	3150	3030	2145	836	210	113	84.2	60.7	37.7	18.9	3.50	0.38
30	2643	2684	2771	2866	2948	3033	3017	2690	1617	524	166	105	79.1	55.7	34.4	17.0	3.20	0.38
35	2833	2837	2858	2852	2794	2704	2466	1836	1004	307	135	96.5	73.0	50.7	30.6	14.8	2.84	0.38
40	2760	2654	2501	2335	2104	1761	1411	837	409	184	115	87.1	66.0	45.3	26.8	12.7	2.53	0.38
45	2043	1768	1417	1182	903	602	458	275	185	131	98.3	76.8	58.0	39.2	23.1	10.6	2.23	0.38
50	751	561	423	354	292	230	188	153	125	102	82.3	65.9	49.0	32.7	19.2	8.39	1.90	0.38
55	253	229	208	192	175	150	126	111	95.3	82.1	68.1	54.0	39.9	26.0	15.3	6.39	1.60	0.38
60	142	143	141	134	125	111	96.2	86.1	76.7	65.4	53.9	42.1	30.3	19.8	11.5	4.69	1.39	0.38
65	104	107	104	99.6	91.8	83.2	73.5	65.5	57.8	49.1	39.9	30.5	21.4	14.1	8.04	3.39	1.16	0.38
70	74.3	76.7	74.8	71.2	64.5	57.9	52.0	46.2	40.3	33.5	26.2	19.3	13.8	9.14	5.08	2.39	0.99	0.38
75	46.5	47.6	45.7	43.0	38.9	34.7	31.2	27.4	23.2	18.8	14.5	10.6	7.75	5.17	2.96	1.62	0.85	0.38
80	22.1	23.0	22.0	20.7	18.5	16.2	14.3	12.4	10.3	8.34	6.39	4.74	3.52	2.44	1.61	1.07	0.71	0.38
85	4.82	4.76	4.47	4.13	3.96	3.70	3.21	2.80	2.55	2.22	1.80	1.49	1.24	1.05	0.91	0.83	0.59	0.38
90	0.48	0.48	0.48	0.48	0.48	0.48	0.48	0.48	0.48	0.48	0.49	0.51	0.52	0.53	0.54	0.55	0.47	0.38

C Range: 0 - 360DEG
 C Interval: 10.0DEG
 Test Speed: HIGH
 Temperature: 20DEG
 Operators: LITPA
 Test Date: 16/11/2021

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-XL 475W 6500K