

Floodlight Summary:

Report based on lamp delivering 1000 lumens.

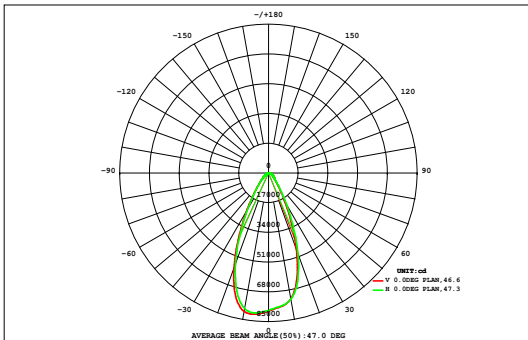
Maximum Intensity (Luminaire orientation as tested.)		1353.9 cd per klm. 0.0 degrees vertical 0.0 degrees horizontal
Beam Spread	At 10% of Imax At 50% of Imax At 90% of Imax	80.8V x 80.0H 47.3V x 46.6H 24.9V x 24.9H
Beam Flux	Total To 10% of Imax To 50% of Imax To 90% of Imax	1000.2 lumens per klm. 838.4 lumens per klm. 532.2 lumens per klm. 167.0 lumens per klm.
	Upward LOR Downward LOR	0.0 % 100.0 %
Luminaire Efficiency (Light Output Ratio)		100.0 %

C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature: 20DEG
Operators: LITPA
Test Date: 17/12/2021

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:230.09V I:2.0963A P:477.74W PF:0.9904 Freq:50.01Hz Lamp Flux:60888.3x1 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:127.45lm/W	
MODEL	KYH-XL	Imax (cd)	82438
NOMINAL POWER (W)	475	AVAILABILITY (%)	83.8
RATED VOLTAGE (V)	230.0	Avai. FLUX (lm)	51049
NOMINAL FLUX (lm)	60888.3	LOR (%)	100.0
LAMPS INSIDE	1	TOTAL FLUX (lm)	60888
TEST VOLTAGE (V)	230	θ @50% (H, V)	47,47DEG

VERTICAL (DEG)	AREA FLUX DIAGRAM																UNIT:lm		Φ t	Φ a
	0.01	0.07	0.22	0.54	1.08	1.77	2.50	3.12	3.45	3.55	3.41	2.94	2.32	1.63	1.01	0.52	0.21	0.05	28.4	0.00
80	0.02	0.30	1.43	3.99	7.91	12.6	17.3	20.7	22.2	22.5	21.4	18.4	14.0	9.45	5.35	2.38	0.69	0.08	181	0.00
70	0.05	0.85	4.18	10.9	20.7	32.2	43.2	50.3	53.8	54.2	51.4	44.8	34.3	23.0	13.0	5.69	1.55	0.15	444	0.00
60	0.09	1.70	7.89	19.8	37.0	56.5	75.1	89.9	98.6	99.6	92.6	78.5	59.8	40.0	22.3	9.77	2.63	0.23	792	0.00
50	0.14	2.66	11.8	28.7	52.7	81.7	117	155	183	185	162	125	88.4	57.2	31.7	13.9	3.77	0.32	1300	41.2
40	0.19	3.58	15.1	36.5	67.8	118	205	331	437	448	355	228	132	75.4	40.8	17.6	4.83	0.40	2515	1709
30	0.25	4.36	17.7	42.9	84.1	172	385	755	1099	1140	841	454	205	96.8	48.6	20.6	5.72	0.48	5373	4826
20	0.28	4.90	19.5	47.3	99.0	242	648	1386	1970	2048	1568	810	307	119	54.4	22.8	6.36	0.53	9353	8899
10	0.30	5.16	20.4	49.6	108	288	838	1773	2323	2451	2047	1086	385	134	57.9	24.1	6.69	0.56	11599	11176
0	0.30	5.12	20.2	49.2	106	282	815	1727	2248	2342	1979	1060	383	134	58.1	24.2	6.71	0.56	11240	10812
-10	0.28	4.81	19.0	46.0	94.3	223	597	1278	1802	1878	1433	750	292	117	54.6	23.0	6.40	0.53	8620	8156
-20	0.24	4.22	17.0	41.0	79.3	157	337	660	953	990	735	410	194	93.9	48.1	20.8	5.78	0.48	4747	4169
-30	0.19	3.42	14.2	34.4	64.2	107	179	281	368	379	308	206	123	73.1	40.3	17.6	4.87	0.40	2205	1260
-40	0.13	2.50	10.8	26.7	49.2	76.2	106	137	159	162	145	115	83.3	55.5	31.5	13.8	3.75	0.31	1177	0.00
-50	0.08	1.56	7.15	18.2	33.6	52.1	69.0	82.5	89.5	90.1	84.7	72.7	56.9	38.5	21.9	9.49	2.56	0.22	731	0.00
-60	0.04	0.76	3.68	9.73	18.3	28.7	38.6	45.7	48.7	49.1	47.0	41.3	32.2	21.6	12.3	5.32	1.46	0.14	404	0.00
-70	0.02	0.25	1.19	3.34	6.63	10.7	14.7	17.8	19.2	19.5	18.7	16.2	12.5	8.40	4.78	2.11	0.62	0.08	157	0.00
-80	0.01	0.05	0.16	0.38	0.76	1.24	1.76	2.21	2.47	2.55	2.45	2.16	1.72	1.22	0.77	0.41	0.18	0.04	20.6	0.00
-90	0.01	0.05	0.16	0.38	0.76	1.24	1.76	2.21	2.47	2.55	2.45	2.16	1.72	1.22	0.77	0.41	0.18	0.04	20.6	0.00
	-90	-80	-70	-60	-50	-40	-30	-20	HORIZONTAL (DEG)	20	30	40	50	60	70	80	90			
Φ t	2.64	46.3	192	469	930	1944	4489	8798	11880	12363	9893	5521	2408	1101	547	234	64.8	5.55	60888	---
Φ a	0.00	0.00	0.00	0.00	0.00	890	3702	8083	11188	11675	9183	4769	1521	38.3	0.00	0.00	0.00	0.00	---	51049

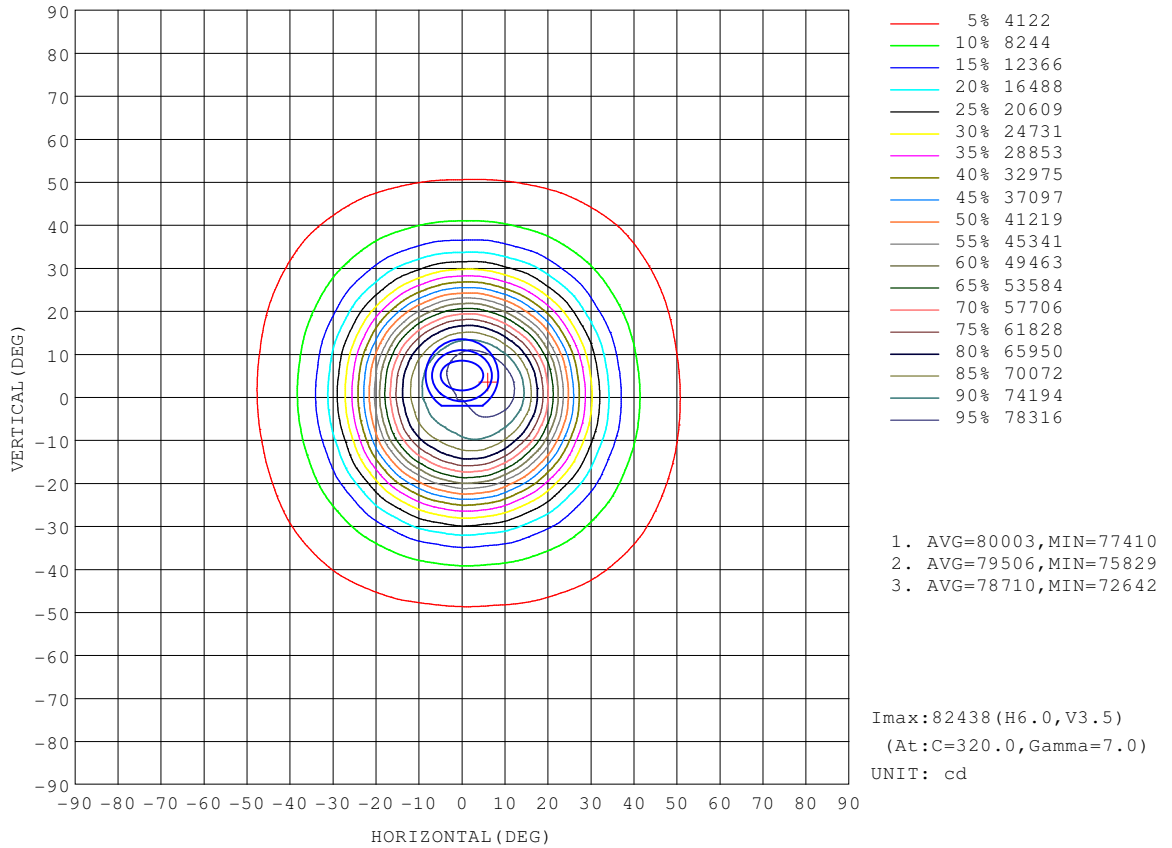
one-half-peak spread: U:23.0,D:18.6 , L:28.9,R:18.0 NEMA Beam Type: Type 5

C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature: 20DEG
Operators: LITPA
Test Date: 17/12/2021

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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ISOCANDELA DIAGRAM

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MFR.: LITPA AYDINLATMA	SUR.:	Shielding Angle:

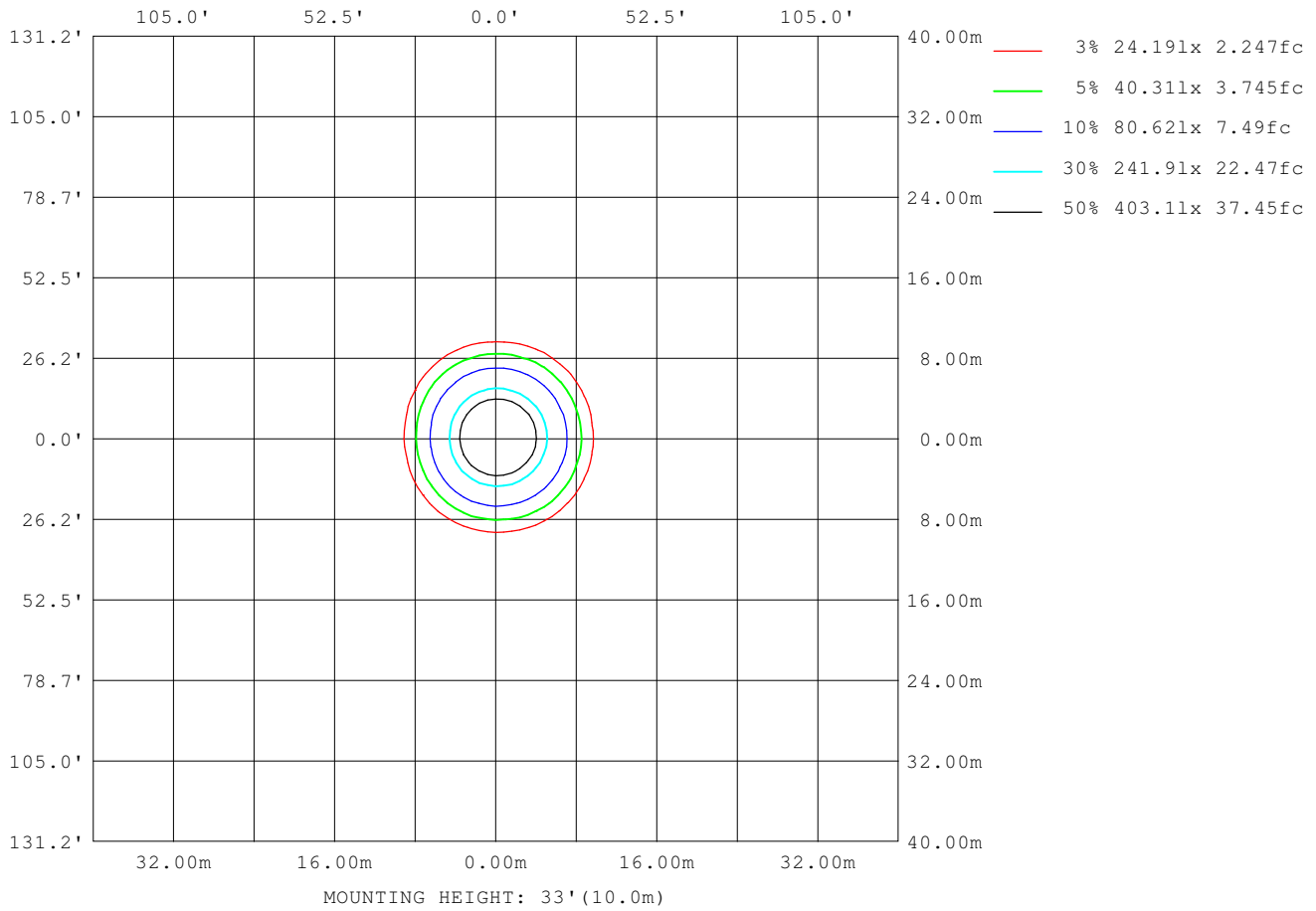


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ISOLUX DIAGRAM

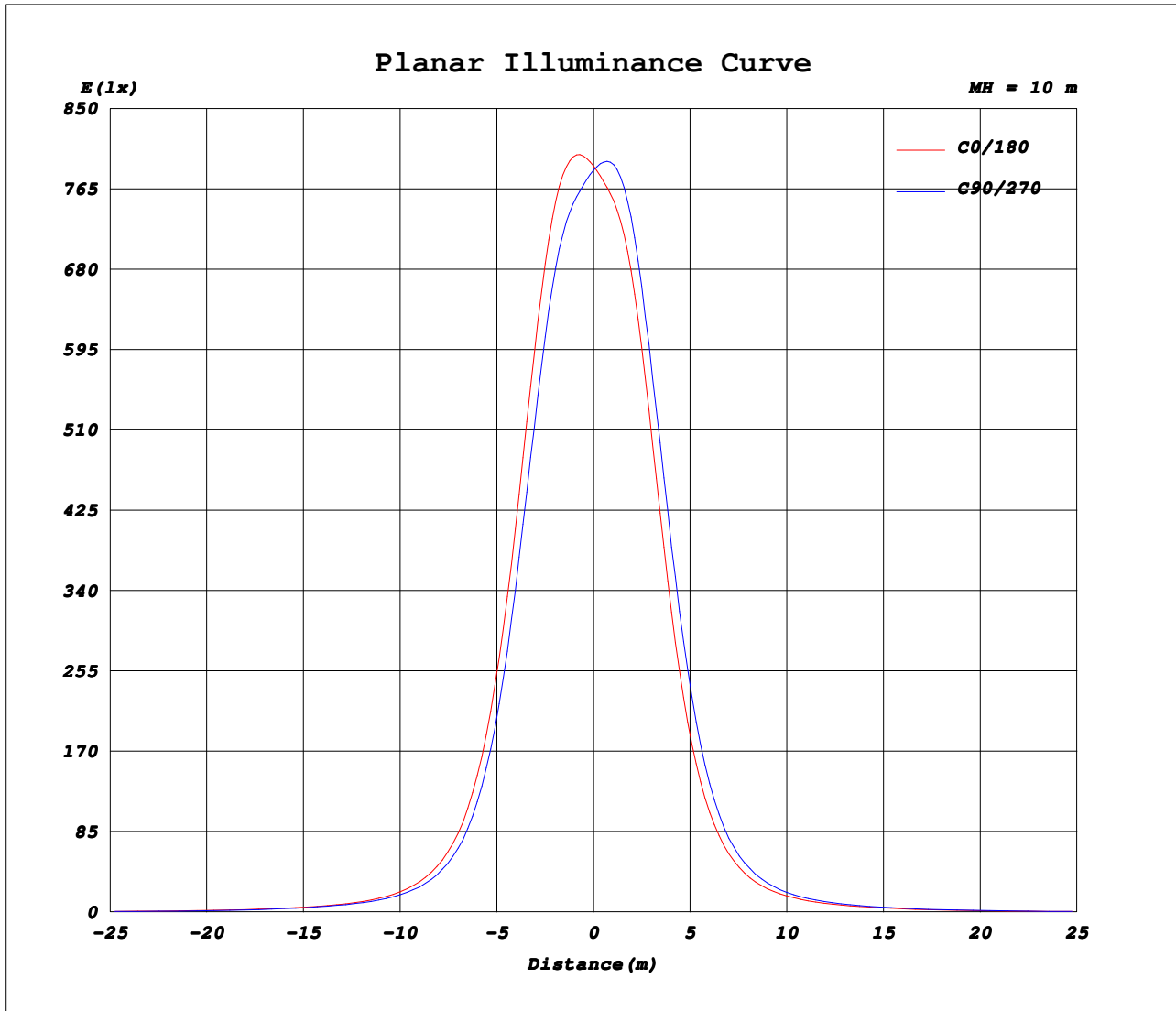
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Planar Illuminance Curve

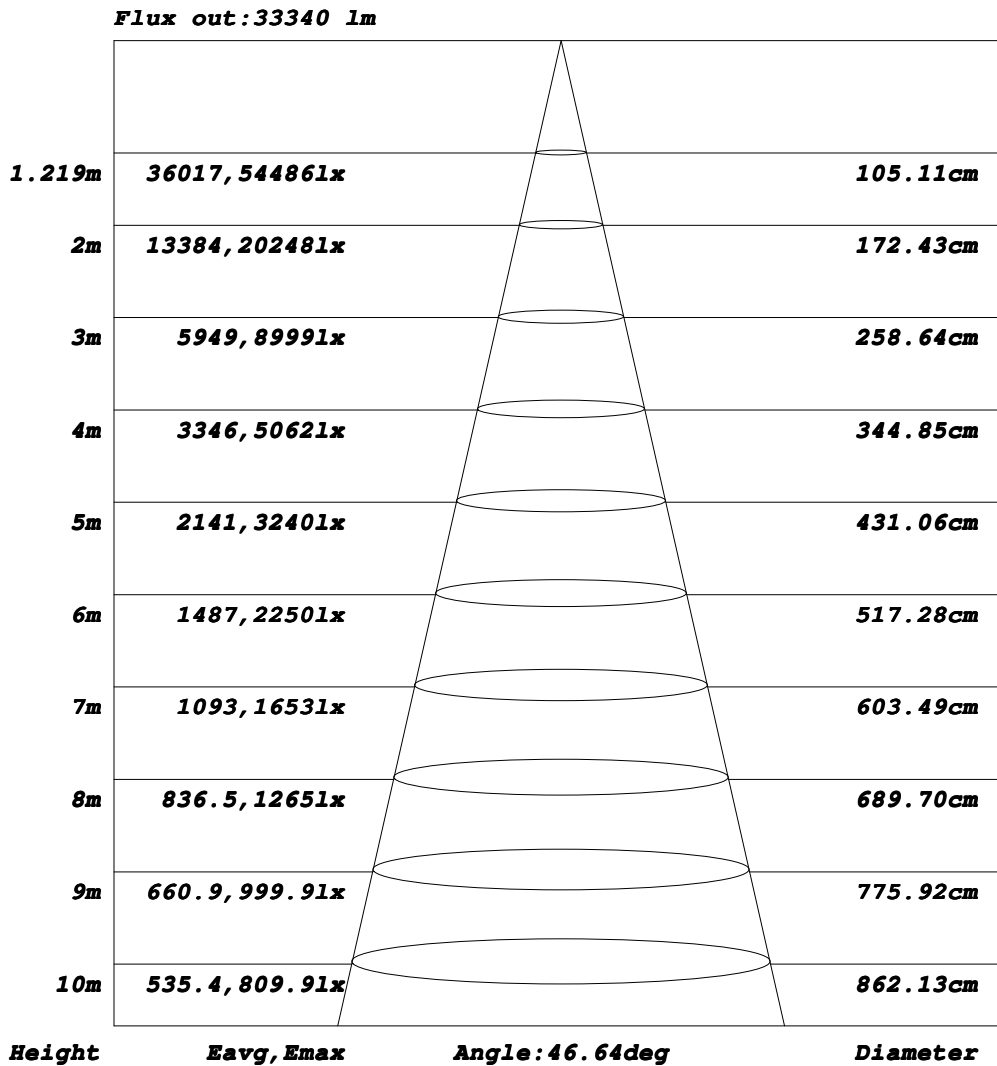


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AAI Figure

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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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 Test Speed: HIGH
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LUMINOUS DISTRIBUTION INTENSITY DATA

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

Table--1

UNIT: μA10cd

H (DEG) V (DEG)	-90	-85	-80	-75	-70	-65	-60	-55	-50	-45	-40	-35	-30	-25	-20	-15	-10	-5	0
-90	0.35	0.33	0.32	0.32	0.32	0.33	0.33	0.33	0.33	0.33	0.34	0.34	0.34	0.34	0.34	0.33	0.33	0.33	0.33
-85	0.35	0.33	0.31	0.46	0.67	0.94	1.29	1.57	1.91	2.34	2.78	3.16	3.58	4.10	4.60	4.80	4.91	5.19	5.39
-80	0.35	0.33	0.68	1.31	2.08	3.18	4.78	6.73	9.01	11.6	14.2	16.5	18.6	21.2	23.8	25.0	25.7	26.6	27.1
-75	0.35	0.48	1.32	2.56	4.70	8.36	12.9	18.0	23.4	29.6	35.9	41.4	46.5	51.6	56.5	59.3	60.6	62.1	62.7
-70	0.35	0.71	2.12	4.77	9.87	16.5	25.0	34.3	43.9	54.2	65.0	74.5	83.5	91.7	99.1	103	105	107	108
-65	0.35	0.96	3.14	8.26	16.3	27.1	40.5	54.5	69.1	84.2	99.3	114	127	139	149	154	157	160	161
-60	0.35	1.29	4.57	12.6	24.3	39.9	58.0	78.4	97.7	118	140	160	178	193	206	214	218	222	223
-55	0.35	1.61	6.55	17.5	33.3	53.6	77.3	103	129	155	183	211	232	250	267	281	288	294	297
-50	0.35	1.95	8.73	22.9	43.1	67.7	96.4	128	159	192	225	256	283	308	332	354	367	378	384
-45	0.35	2.29	11.0	28.4	52.6	81.9	115	151	190	228	265	304	343	381	419	457	487	508	521
-40	0.35	2.60	13.5	34.0	61.7	95.3	132	173	218	263	307	357	416	480	549	629	696	741	770
-35	0.35	2.96	15.8	39.4	70.5	108	148	195	244	296	352	423	515	634	769	925	1069	1161	1230
-30	0.35	3.39	18.0	44.5	78.7	119	163	215	268	328	404	507	650	857	1120	1413	1732	1909	2054
-25	0.35	3.75	20.0	48.9	85.9	129	177	232	291	361	461	612	837	1169	1668	2192	2728	3110	3331
-20	0.35	4.06	21.8	52.7	92.0	137	188	248	312	393	520	733	1080	1605	2366	3265	4041	4624	4947
-15	0.35	4.30	23.2	55.8	97.1	144	198	260	330	425	584	857	1329	2126	3192	4390	5412	6081	6430
-10	0.35	4.47	24.2	58.0	101	149	206	270	345	453	642	985	1572	2548	3941	5412	6498	7055	7348
-5	0.35	4.57	24.8	59.4	103	153	211	277	357	474	688	1082	1775	2897	4429	6003	7083	7501	7655
0	0.35	4.61	25.0	59.9	104	154	213	280	361	484	707	1125	1861	3048	4655	6280	7319	7688	7893
5	0.35	4.59	24.9	59.8	104	154	213	280	361	482	701	1100	1809	2975	4556	6182	7272	7741	8025
10	0.35	4.51	24.4	58.8	102	152	210	275	353	466	668	1038	1687	2731	4151	5686	6862	7514	7870
15	0.35	4.35	23.5	56.8	99.4	148	203	267	342	446	622	932	1454	2285	3463	4783	5915	6652	6998
20	0.35	4.12	22.2	54.0	94.9	142	195	257	326	417	560	796	1175	1809	2654	3628	4538	5217	5537
25	0.35	3.83	20.4	50.5	89.0	134	185	243	307	383	493	667	944	1352	1878	2522	3135	3639	3845
30	0.35	3.47	18.5	46.2	82.1	125	173	227	283	347	431	556	738	984	1306	1687	1999	2297	2399
35	0.35	3.04	16.3	41.1	74.5	115	159	207	258	311	376	463	573	718	903	1092	1261	1400	1423
40	0.35	2.69	14.0	35.7	65.8	103	143	186	231	277	328	386	454	538	635	729	818	875	889
45	0.35	2.37	11.5	30.1	56.5	89.2	125	163	203	244	284	325	369	418	469	514	558	585	591
50	0.35	2.02	9.17	24.4	46.9	74.7	105	138	173	209	244	273	304	335	363	388	409	422	424
55	0.35	1.68	6.94	19.0	36.9	59.3	84.7	112	141	172	201	227	251	272	289	304	316	322	323
60	0.35	1.38	4.92	13.8	27.4	44.7	64.0	86.0	109	133	155	178	198	214	225	235	242	246	246
65	0.35	1.06	3.43	9.25	18.9	31.0	45.0	60.7	78.4	95.2	111	128	144	156	164	170	174	175	175
70	0.35	0.79	2.33	5.55	11.5	19.4	28.5	39.4	51.1	62.7	73.5	84.8	96.0	105	111	115	118	119	118
75	0.35	0.53	1.51	3.08	5.96	10.2	15.3	21.7	28.8	35.5	42.0	49.0	55.7	61.0	65.5	69.2	71.9	72.3	71.6
80	0.35	0.35	0.85	1.65	2.70	4.14	6.04	8.82	12.0	14.9	18.0	21.5	24.9	27.3	29.5	31.7	33.5	33.6	33.1
85	0.35	0.35	0.36	0.64	1.08	1.44	1.82	2.31	2.98	3.60	4.19	5.03	5.94	6.46	6.92	7.60	8.20	8.29	8.27
90	0.35	0.35	0.35	0.36	0.36	0.36	0.36	0.36	0.36	0.36	0.37	0.38	0.39	0.43	0.48	0.50	0.53	0.56	0.58

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MFR.: LITPA AYDINLATMA	SUR.:	Shielding Angle:

Table--2

UNIT: μ Á10cd

H (DEG) V (DEG)	5	10	15	20	25	30	35	40	45	50	55	60	65	70	75	80	85	90
-90	0.33	0.33	0.33	0.34	0.34	0.34	0.35	0.37	0.41	0.46	0.52	0.58	0.65	0.73	0.86	0.98	1.13	1.27
-85	5.48	5.49	5.61	5.64	5.38	5.01	4.84	4.66	4.23	3.74	3.42	3.14	2.67	2.33	2.09	1.79	1.49	1.27
-80	27.2	26.9	26.8	26.2	24.5	22.7	21.2	19.2	16.4	14.0	11.8	9.59	7.43	5.46	3.98	2.79	1.86	1.27
-75	63.0	62.4	62.3	60.6	57.0	52.6	48.8	43.9	37.7	31.8	26.4	21.0	15.4	11.1	7.14	4.31	2.34	1.27
-70	108	107	107	105	99.9	92.8	85.1	75.9	65.5	55.6	45.7	36.0	26.6	18.2	11.6	6.36	2.86	1.27
-65	161	160	159	156	149	140	128	114	99.2	84.0	69.3	54.4	40.0	27.4	17.0	8.86	3.46	1.27
-60	223	221	219	213	204	193	178	159	137	116	96.8	75.1	55.3	37.8	23.4	11.7	4.27	1.27
-55	296	292	288	277	264	248	229	206	178	151	125	97.7	71.7	48.9	30.0	15.0	5.04	1.27
-50	382	376	366	348	326	303	277	249	219	186	153	120	88.8	60.4	37.1	18.4	5.94	1.27
-45	517	505	482	447	409	371	331	292	257	219	179	141	105	71.9	44.2	21.8	6.88	1.27
-40	760	731	677	603	533	462	397	342	295	251	204	160	120	83.0	51.1	25.1	7.74	1.27
-35	1192	1135	1014	870	730	593	484	402	336	281	228	179	134	93.3	57.3	28.1	8.59	1.27
-30	1972	1845	1570	1299	1025	779	601	474	379	310	251	196	147	103	62.9	31.1	9.44	1.27
-25	3239	2931	2440	1954	1434	1046	753	557	426	339	273	212	158	110	68.0	33.6	10.2	1.27
-20	4837	4357	3641	2790	2004	1384	932	648	475	367	292	225	167	117	72.2	35.8	10.8	1.27
-15	6354	5839	4927	3801	2679	1751	1113	747	525	393	308	237	174	122	75.6	37.6	11.3	1.27
-10	7359	6980	6106	4770	3306	2126	1321	844	571	415	320	245	180	125	77.9	38.9	11.6	1.27
-5	7811	7650	6896	5483	3840	2429	1474	912	599	427	327	250	183	127	79.2	39.6	11.8	1.27
0	8103	8040	7294	5793	4034	2538	1519	936	608	432	329	250	183	128	79.5	39.8	11.9	1.27
5	8226	8013	7148	5644	3912	2447	1472	915	598	426	326	249	182	127	79.1	39.6	11.8	1.27
10	7900	7442	6502	5079	3529	2216	1354	855	569	412	318	244	179	125	77.7	38.8	11.6	1.27
15	6915	6360	5419	4188	2882	1857	1186	774	533	394	306	235	172	121	75.2	37.6	11.3	1.27
20	5434	4886	4087	3158	2210	1453	979	676	488	371	293	224	165	115	71.8	35.8	10.9	1.27
25	3778	3372	2832	2178	1599	1123	792	579	439	346	275	212	155	109	67.5	33.6	10.3	1.27
30	2373	2124	1843	1464	1123	852	641	493	390	317	255	197	145	101	62.4	31.1	9.55	1.27
35	1433	1320	1166	985	797	644	521	421	345	286	231	180	133	92.5	56.8	28.2	8.71	1.27
40	890	844	766	683	585	498	425	361	304	254	206	161	120	83.0	50.7	25.1	7.88	1.27
45	592	572	533	494	446	397	351	308	265	221	180	141	106	72.5	44.2	21.7	7.02	1.27
50	426	418	400	379	354	323	292	260	225	188	153	121	90.4	61.8	37.5	18.5	6.09	1.27
55	325	322	313	300	285	263	239	214	185	155	126	99.5	74.2	50.8	30.7	15.2	5.19	1.27
60	248	247	241	232	222	207	188	167	145	122	99.4	77.9	58.2	40.0	24.2	12.1	4.41	1.27
65	177	176	173	168	161	151	135	121	106	89.5	73.1	57.2	42.9	29.6	18.0	9.24	3.58	1.27
70	120	120	118	114	109	102	92.0	81.4	71.3	60.9	49.4	38.6	29.1	20.5	12.5	6.74	2.97	1.27
75	73.0	73.3	71.5	68.6	65.3	60.8	55.1	48.9	42.8	36.5	29.6	23.0	17.6	12.4	8.00	4.63	2.43	1.27
80	34.3	34.8	33.6	31.9	30.4	28.6	25.7	22.7	20.3	17.7	14.3	11.6	8.91	6.69	4.62	3.02	1.95	1.27
85	8.66	8.93	8.72	8.38	8.20	7.91	7.20	6.48	6.04	5.46	4.66	3.99	3.42	2.98	2.44	1.98	1.62	1.27
90	0.61	0.63	0.65	0.68	0.69	0.70	0.75	0.79	0.84	0.89	0.96	1.03	1.09	1.15	1.23	1.30	1.28	1.27

C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature: 20DEG
Operators: LITPA
Test Date: 17/12/2021

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