

Floodlight Summary:

Report based on lamp delivering 1000 lumens.

Maximum Intensity	1176.1 cd per klm.
(Luminaire orientation as tested.)	0.0 degrees vertical
	0.0 degrees horizontal

Beam Spread	At 10% of Imax	90.6V x 87.8H
	At 50% of Imax	51.2V x 50.4H
	At 90% of Imax	28.8V x 26.5H

Beam Flux	Total	1000.2 lumens per klm.
	To 10% of Imax	855.0 lumens per klm.
	To 50% of Imax	532.1 lumens per klm.
	To 90% of Imax	186.5 lumens per klm.

Upward LOR	0.0 %
Downward LOR	100.0 %

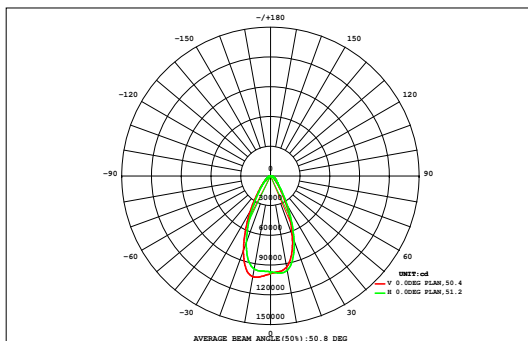
Luminaire Efficiency (Light Output Ratio)	100.0 %
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C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature: 20DEG
Operators: LITPA
Test Date: 16/12/2021

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 750W 4000K

LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:230.28V I:0A P:0W PF:0.0000 Freq:50.01Hz Lamp Flux:87929.8x1 lm		
NAME: KYH-XL	TYPE:OUTDOOR	WEIGHT:28 kg
SPEC.:750 WATT	DIM.: 540X660X70	SERIAL No.:
MFR.: LITPA AYDINLATMA	SUR.:	Shielding Angle:



DATA OF LAMP		PHOTOMETRIC DATA	
MODEL	KYH-XL	Imax (cd)	103415
NOMINAL POWER (W)	750	AVAILABILITY (%)	85.3
RATED VOLTAGE (V)	230.0	Avai. FLUX (lm)	74970
NOMINAL FLUX (lm)	87929.8	LOR (%)	100.0
LAMPS INSIDE	1	TOTAL FLUX (lm)	87930
TEST VOLTAGE (V)	230	θ @50% (H,V)	50,51DEG

VERTICAL (DEG)	AREA FLUX DIAGRAM																UNIT:lm		Φ t	Φ a
	0.02	0.09	0.29	0.74	1.54	2.67	3.94	5.05	5.75	5.84	5.29	4.32	3.19	2.13	1.19	0.53	0.18	0.05	42.8	0.00
90	0.02	0.09	0.29	0.74	1.54	2.67	3.94	5.05	5.75	5.84	5.29	4.32	3.19	2.13	1.19	0.53	0.18	0.05	42.8	0.00
80	0.03	0.42	2.07	5.88	12.0	19.7	27.8	34.2	38.0	38.0	34.5	28.5	21.2	13.9	7.43	2.97	0.73	0.09	287	0.00
70	0.07	1.27	6.36	16.8	32.3	49.8	68.3	83.3	91.5	93.5	87.1	72.5	53.3	35.0	18.7	7.69	1.87	0.16	720	0.00
60	0.12	2.59	12.3	30.9	56.7	86.5	119	148	164	170	158	131	95.0	60.9	32.4	13.6	3.43	0.27	1283	0.00
50	0.20	4.11	18.4	45.5	83.8	130	189	258	303	316	281	214	144	89.4	46.9	19.8	5.16	0.41	2148	521
40	0.29	5.58	23.9	59.0	113	193	325	520	679	699	561	371	217	120	62.2	25.9	6.88	0.55	3982	3092
30	0.37	6.81	28.1	70.1	142	290	597	1095	1521	1560	1188	693	333	158	76.7	31.2	8.45	0.68	7800	7159
20	0.43	7.69	31.1	77.7	168	405	985	1855	2501	2561	2040	1155	492	198	88.5	35.7	9.68	0.78	12611	12073
10	0.46	8.10	32.8	82.0	183	479	1245	2337	2895	2966	2614	1528	630	233	98.1	38.9	10.4	0.85	15382	14882
0	0.46	8.08	32.7	81.7	183	478	1223	2279	2876	3003	2631	1562	652	241	99.9	39.4	10.6	0.86	15401	14909
-10	0.43	7.63	30.8	76.4	161	384	944	1811	2476	2547	2029	1163	507	209	92.9	37.4	10.1	0.81	12488	11944
-20	0.37	6.73	27.2	66.2	132	272	576	1062	1457	1495	1163	690	346	167	80.9	33.4	9.06	0.73	7586	6943
-30	0.29	5.45	22.2	53.7	105	184	325	509	651	664	539	366	220	127	66.4	28.0	7.60	0.61	3874	2987
-40	0.20	3.94	16.5	40.8	78.4	128	194	262	304	302	266	202	142	91.6	50.9	21.7	5.85	0.47	2110	459
-50	0.12	2.43	10.8	27.7	52.9	85.7	120	148	163	161	148	121	91.5	60.8	34.9	14.9	3.97	0.33	1247	0.00
-60	0.07	1.16	5.59	15.1	29.4	47.1	64.7	79.2	86.4	85.9	79.6	66.9	51.6	34.8	19.7	8.38	2.24	0.21	678	0.00
-70	0.03	0.37	1.80	5.14	10.5	17.3	23.9	29.2	32.5	33.1	30.8	26.1	20.2	13.6	7.64	3.29	0.94	0.11	256	0.00
-80	0.02	0.08	0.24	0.58	1.19	2.04	2.89	3.60	4.06	4.19	3.97	3.46	2.82	2.02	1.23	0.63	0.26	0.06	33.3	0.00
-90	0.02	0.08	0.24	0.58	1.19	2.04	2.89	3.60	4.06	4.19	3.97	3.46	2.82	2.02	1.23	0.63	0.26	0.06	33.3	0.00
-90 -80 -70 -60 -50 -40 -30 -20 HORIZONTAL (DEG) 20 30 40 50 60 70 80 90																				
Φ t	3.97	72.5	303	756	1546	3253	7033	12519	16249	16704	13859	8398	4020	1857	887	363	97.4	8.01	87930	---
Φ a	0.00	0.00	0.00	0.00	109	2115	6055	11602	15360	15826	12962	7471	2989	481	0.00	0.00	0.00	0.00	---	74970

one-half-peak spread: U:19.4,D:20.1 , L:32.5,R:18.2

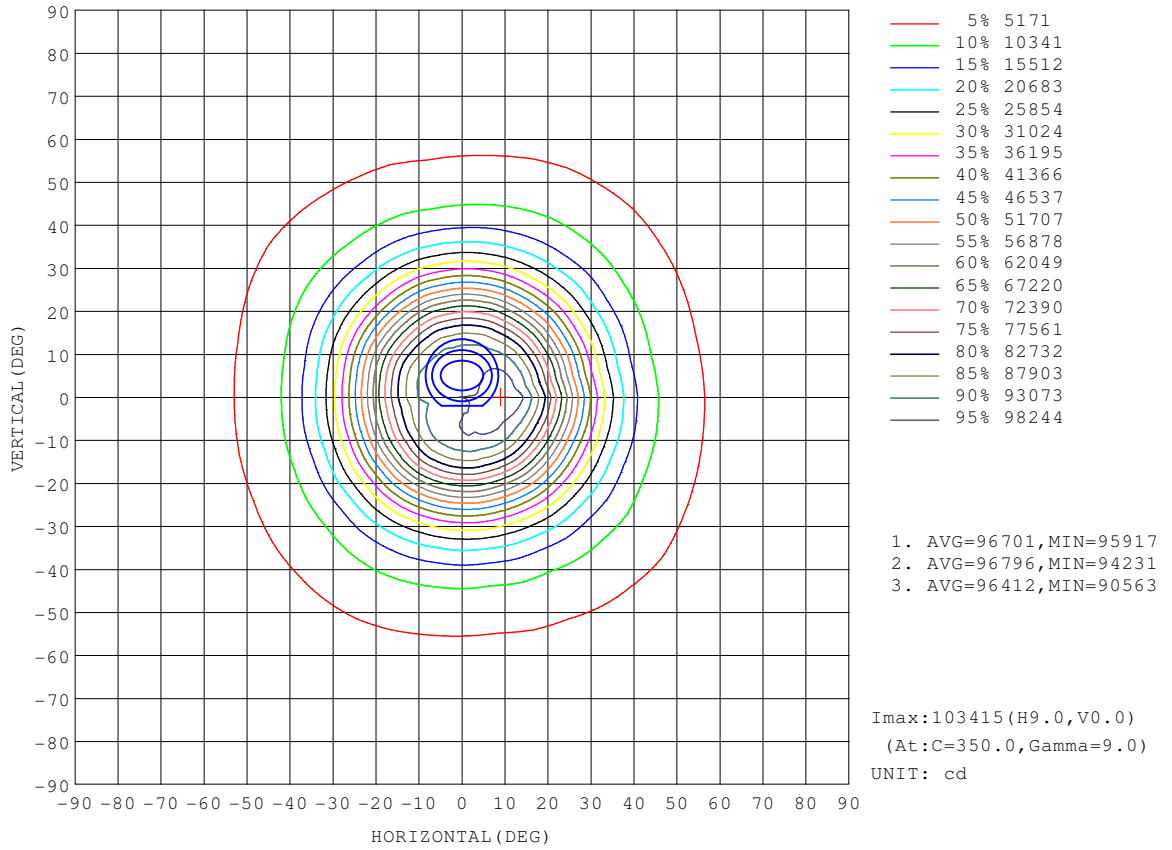
NEMA Beam Type: Type 5

C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature: 20DEG
Operators: LITPA
Test Date: 16/12/2021

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 750W 4000K

ISOCANDELA DIAGRAM

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SPEC.:750 WATT	DIM.: 540X660X70	SERIAL No.:
MFR.: LITPA AYDINLATMA	SUR.:	Shielding Angle:

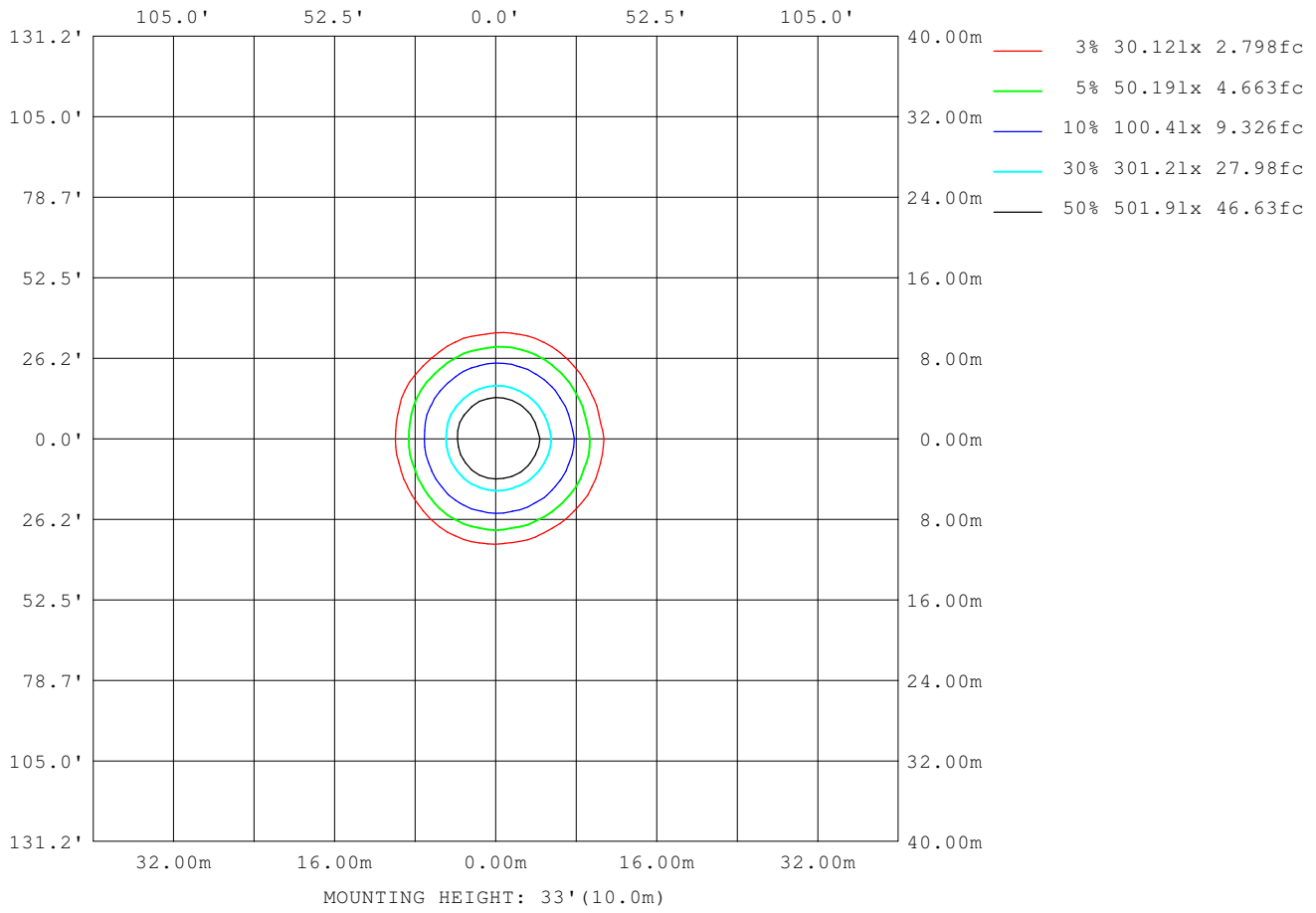


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Remarks: KYH-XL 750W 4000K

ISOLUX DIAGRAM

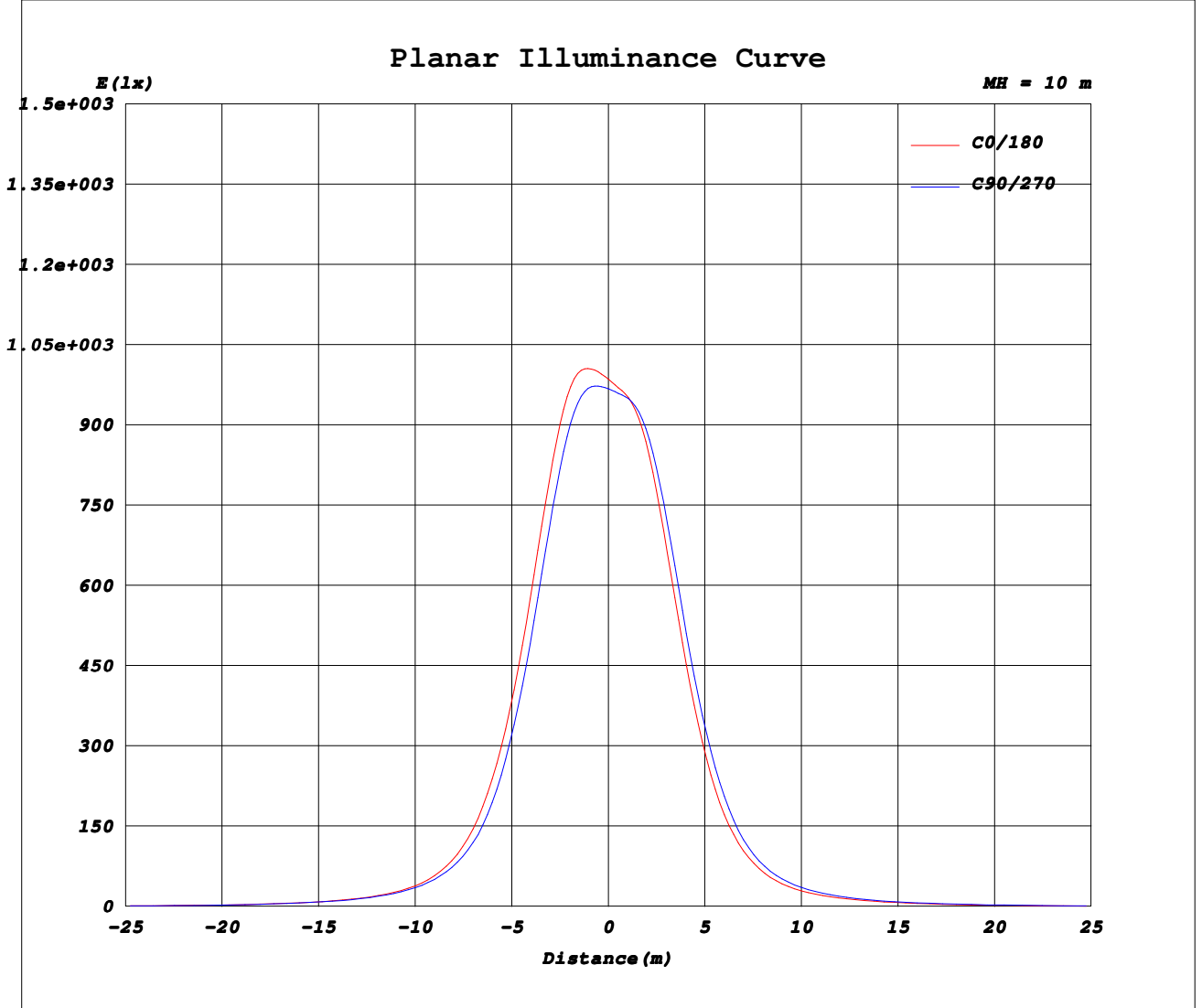
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SPEC.:750 WATT	DIM.: 540X660X70	SERIAL No.:
MFR.: LITPA AYDINLATMA	SUR.:	Shielding Angle:



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Planar Illuminance Curve



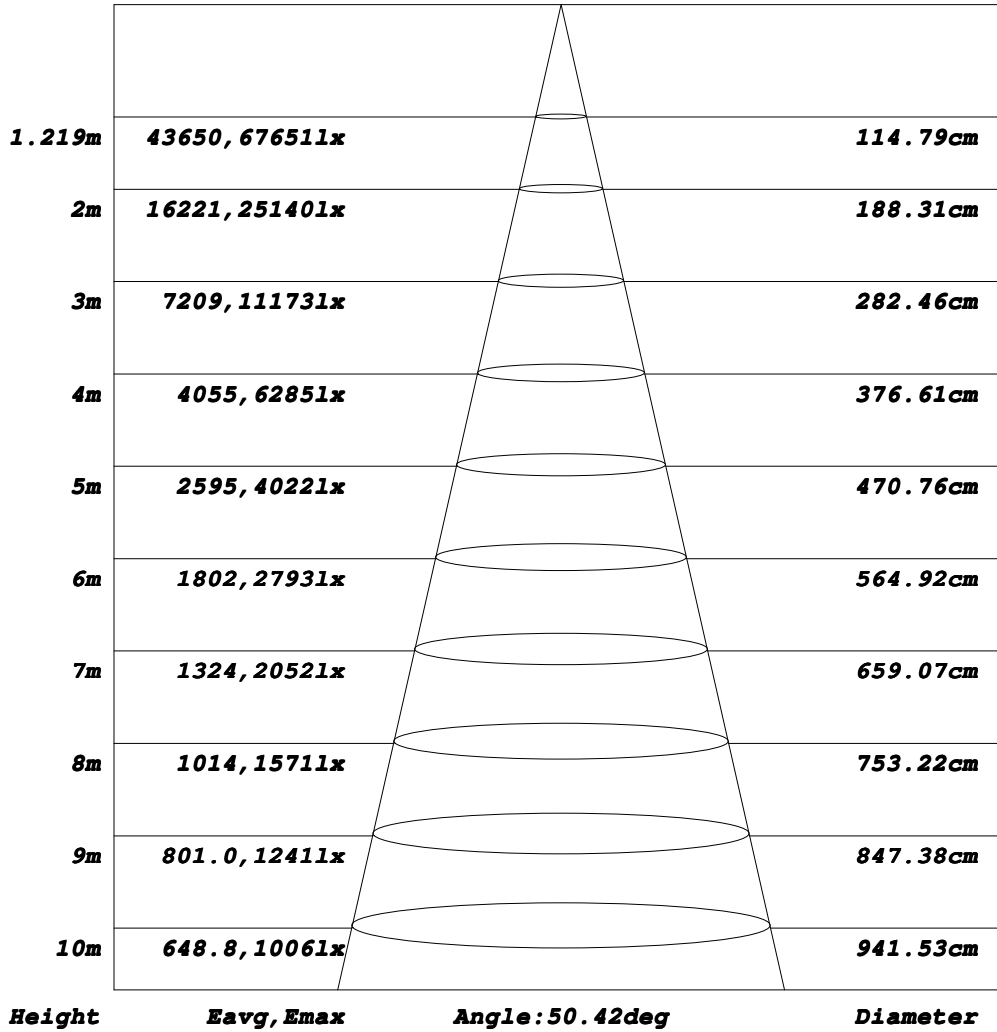
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AAI Figure

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NAME: KYH-XL	TYPE:OUTDOOR	WEIGHT:28 kg
SPEC.:750 WATT	DIM.: 540X660X70	SERIAL No.:
MFR.: LITPA AYDINLATMA	SUR.:	Shielding Angle:

Flux out:48489 lm



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

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NAME: KYH-XL	TYPE:OUTDOOR	WEIGHT:28 kg
SPEC.:750 WATT	DIM.: 540X660X70	SERIAL No.:
MFR.: LITPA AYDINLATMA	SUR.:	Shielding Angle:

Table--1

UNIT: Á100cd

H (DEG) V (DEG)	-90	-85	-80	-75	-70	-65	-60	-55	-50	-45	-40	-35	-30	-25	-20	-15	-10	-5	0
-90	0.06	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.06	0.06	0.06	0.06	0.06	0.06
-85	0.06	0.06	0.06	0.08	0.10	0.14	0.19	0.24	0.29	0.36	0.44	0.52	0.61	0.68	0.73	0.78	0.82	0.85	0.87
-80	0.06	0.06	0.11	0.20	0.30	0.46	0.70	1.03	1.38	1.77	2.26	2.68	3.09	3.46	3.79	4.04	4.23	4.38	4.47
-75	0.06	0.08	0.20	0.38	0.70	1.26	1.99	2.77	3.61	4.64	5.71	6.69	7.61	8.43	9.12	9.68	10.1	10.4	10.6
-70	0.06	0.11	0.32	0.73	1.46	2.51	3.83	5.32	6.91	8.60	10.5	12.1	13.6	14.9	16.1	17.1	17.9	18.4	18.8
-65	0.06	0.15	0.47	1.28	2.48	4.12	6.21	8.42	10.9	13.5	16.1	18.7	21.0	23.1	25.2	26.7	27.6	28.3	28.5
-60	0.06	0.19	0.71	1.96	3.71	6.05	8.82	12.0	15.3	18.8	22.6	26.3	29.9	33.4	36.0	38.0	39.1	39.9	40.0
-55	0.06	0.23	1.01	2.75	5.12	8.08	11.7	15.7	19.9	24.4	29.2	34.3	39.1	43.4	47.0	50.0	51.9	53.2	53.5
-50	0.06	0.28	1.35	3.59	6.67	10.2	14.6	19.4	24.5	30.1	36.2	42.4	48.4	54.9	60.7	65.7	69.5	71.7	72.2
-45	0.06	0.33	1.71	4.50	8.19	12.5	17.4	23.0	29.2	36.1	43.3	50.8	59.3	69.4	79.2	87.6	94.4	98.6	100
-40	0.06	0.37	2.12	5.42	9.70	14.7	20.2	26.8	34.0	42.4	50.6	60.4	73.2	88.7	105	120	132	140	144
-35	0.06	0.42	2.49	6.28	11.2	16.8	23.0	30.2	38.9	48.3	58.6	71.9	91.1	115	142	169	193	209	218
-30	0.06	0.49	2.81	7.07	12.7	18.9	25.8	33.6	43.5	54.1	67.7	87.2	114	153	199	246	290	322	337
-25	0.06	0.54	3.09	7.77	13.8	20.6	28.4	37.4	47.6	60.1	78.1	106	146	203	278	359	430	481	504
-20	0.06	0.59	3.37	8.35	14.8	22.1	30.6	40.7	51.7	66.2	89.3	127	186	267	375	492	595	665	695
-15	0.06	0.62	3.59	8.83	15.6	23.3	32.4	43.3	55.4	72.7	101	148	225	338	476	621	755	835	870
-10	0.06	0.65	3.74	9.17	16.1	24.1	33.6	45.0	58.4	78.2	112	170	263	397	562	728	860	939	967
-5	0.06	0.66	3.83	9.36	16.4	24.6	34.4	46.1	60.2	81.8	120	186	291	441	618	787	906	960	983
0	0.06	0.66	3.85	9.41	16.5	24.8	34.7	46.3	60.9	83.0	122	190	299	457	645	823	934	969	986
5	0.06	0.66	3.84	9.39	16.4	24.7	34.5	46.2	60.6	82.3	119	185	292	447	633	814	931	964	964
10	0.06	0.65	3.75	9.22	16.2	24.3	33.9	45.3	59.1	79.2	113	174	272	415	583	751	872	936	953
15	0.06	0.62	3.61	8.91	15.7	23.5	32.8	43.7	57.0	75.6	106	158	237	354	494	637	763	848	875
20	0.06	0.59	3.39	8.44	14.9	22.5	31.3	41.9	54.3	70.6	95.9	135	195	280	388	503	611	685	718
25	0.06	0.54	3.12	7.87	14.0	21.2	29.6	39.6	51.0	64.8	84.8	113	154	211	284	370	450	503	529
30	0.06	0.49	2.83	7.18	12.9	19.8	27.6	36.8	46.8	58.5	73.8	92.8	120	155	201	255	306	339	357
35	0.06	0.42	2.48	6.37	11.6	18.1	25.3	33.3	42.3	52.1	62.6	75.5	92.7	114	142	172	199	219	227
40	0.06	0.37	2.11	5.52	10.3	16.1	22.6	29.7	37.5	45.3	53.3	62.3	73.1	86.4	102	119	133	142	147
45	0.06	0.33	1.71	4.63	8.80	13.9	19.6	25.8	32.4	38.7	45.1	51.9	58.9	67.2	76.5	86.6	92.3	97.1	101
50	0.06	0.28	1.36	3.73	7.27	11.6	16.4	21.7	27.1	32.3	37.6	42.7	48.2	53.6	59.3	65.1	67.6	70.4	73.2
55	0.06	0.23	1.01	2.87	5.68	9.23	13.2	17.5	21.9	26.2	30.4	34.4	38.7	42.7	46.8	50.0	51.6	53.3	54.8
60	0.06	0.19	0.71	2.07	4.17	6.91	9.90	13.4	17.0	20.5	23.6	26.8	30.2	33.2	36.2	38.4	39.5	40.8	41.7
65	0.06	0.15	0.48	1.36	2.83	4.70	6.92	9.37	12.2	14.9	17.4	19.9	22.4	24.6	26.7	28.2	29.2	30.1	30.6
70	0.06	0.11	0.32	0.80	1.70	2.88	4.25	5.98	7.82	9.70	11.5	13.4	15.2	16.8	18.2	19.3	20.1	20.6	20.8
75	0.06	0.08	0.21	0.42	0.84	1.46	2.21	3.17	4.24	5.36	6.47	7.68	8.87	9.83	10.6	11.4	12.0	12.3	12.3
80	0.06	0.06	0.12	0.22	0.37	0.57	0.84	1.23	1.72	2.20	2.67	3.26	3.87	4.33	4.74	5.14	5.46	5.60	5.65
85	0.06	0.06	0.06	0.09	0.15	0.19	0.23	0.30	0.39	0.49	0.59	0.74	0.90	1.02	1.13	1.24	1.34	1.38	1.40
90	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.07	0.08	0.08	0.09	0.09	0.10

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MFR.: LITPA AYDINLATMA	SUR.:	Shielding Angle:

Table--2

UNIT: μ Á100cd

H (DEG) V (DEG)	5	10	15	20	25	30	35	40	45	50	55	60	65	70	75	80	85	90	
-90	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.08	0.09	0.09	0.10	0.11	0.12	0.13	0.14	0.16	0.18	
-85	0.89	0.90	0.89	0.88	0.87	0.84	0.79	0.76	0.69	0.61	0.54	0.47	0.39	0.34	0.30	0.26	0.21	0.18	
-80	4.47	4.40	4.32	4.16	3.92	3.66	3.41	3.10	2.68	2.28	1.91	1.49	1.15	0.84	0.58	0.40	0.26	0.18	
-75	10.6	10.5	10.2	9.73	9.20	8.52	7.87	7.09	6.12	5.14	4.20	3.29	2.42	1.63	1.09	0.62	0.33	0.18	
-70	18.7	18.4	17.9	17.1	16.1	15.0	13.8	12.4	10.7	8.99	7.32	5.71	4.16	2.80	1.74	0.94	0.40	0.18	
-65	28.1	27.5	26.9	25.8	24.1	22.4	20.6	18.4	16.0	13.6	11.1	8.60	6.29	4.26	2.61	1.33	0.49	0.18	
-60	39.3	38.3	37.6	35.7	33.1	30.7	28.1	25.0	21.8	18.6	15.4	11.9	8.71	5.89	3.58	1.77	0.61	0.18	
-55	52.4	51.1	49.9	47.2	43.5	40.2	36.6	32.3	27.9	24.0	19.8	15.4	11.2	7.66	4.64	2.29	0.73	0.18	
-50	70.3	68.1	66.2	61.0	55.7	51.1	45.9	40.3	34.9	29.7	24.4	18.9	13.9	9.49	5.75	2.80	0.86	0.18	
-45	97.4	94.0	89.3	80.3	72.0	64.3	56.4	48.9	42.3	35.8	28.7	22.3	16.5	11.2	6.88	3.31	1.01	0.18	
-40	140	134	124	108	95.5	82.0	69.2	58.8	50.1	41.7	33.2	25.6	18.9	13.0	7.96	3.84	1.14	0.18	
-35	213	200	178	153	130	106	86.0	71.0	58.7	47.4	37.5	28.7	21.3	14.7	8.95	4.34	1.27	0.18	
-30	332	304	266	222	178	138	108	85.8	66.9	52.9	41.7	31.8	23.4	16.2	9.84	4.80	1.40	0.18	
-25	495	453	393	321	244	181	136	101	75.6	58.3	45.7	34.6	25.2	17.4	10.6	5.19	1.51	0.18	
-20	683	628	546	439	328	235	165	116	84.5	63.7	49.2	37.0	26.8	18.5	11.3	5.55	1.61	0.18	
-15	856	805	700	561	419	291	196	134	93.9	68.8	52.3	39.1	28.1	19.3	11.8	5.82	1.68	0.18	
-10	966	929	827	671	500	347	229	151	103	72.9	54.6	40.6	29.1	20.0	12.2	6.01	1.73	0.18	
-5	998	987	913	758	568	392	254	163	108	75.6	56.0	41.5	29.7	20.3	12.4	6.13	1.76	0.18	
0	1016	1033	965	803	598	411	264	167	109	76.6	56.4	41.8	29.8	20.4	12.5	6.16	1.77	0.18	
5	983	988	906	741	545	376	243	156	104	73.9	55.0	40.9	29.2	20.0	12.3	6.05	1.74	0.18	
10	953	927	829	669	495	338	220	142	95.9	69.5	52.6	39.4	28.3	19.4	11.9	5.86	1.69	0.18	
15	866	808	705	563	415	287	192	128	88.8	65.2	49.7	37.3	26.9	18.6	11.4	5.59	1.62	0.18	
20	704	643	551	443	328	229	159	111	80.2	60.4	46.9	34.9	25.3	17.5	10.7	5.25	1.53	0.18	
25	517	472	402	322	245	180	128	94.6	71.4	55.5	43.4	32.4	23.6	16.2	9.94	4.83	1.43	0.18	
30	349	320	275	226	179	139	105	79.9	62.9	50.3	39.3	29.7	21.7	14.8	9.02	4.39	1.30	0.18	
35	225	209	186	159	131	107	85.1	68.0	55.0	44.8	34.9	26.7	19.6	13.4	8.05	3.90	1.17	0.18	
40	147	141	129	116	99.3	83.4	69.4	57.9	48.1	39.1	30.8	23.5	17.4	11.8	7.01	3.38	1.03	0.18	
45	102	99.4	94.5	86.4	76.6	66.2	57.0	49.1	41.4	33.3	26.5	20.4	15.0	10.2	5.97	2.83	0.90	0.18	
50	73.9	73.0	70.5	65.7	60.0	53.1	46.8	41.1	34.5	28.1	22.3	17.3	12.6	8.51	4.93	2.33	0.76	0.18	
55	55.3	54.8	53.3	50.6	47.1	42.7	38.0	33.1	28.1	23.0	18.2	14.1	10.3	6.86	3.94	1.83	0.63	0.18	
60	42.0	41.7	40.8	39.0	36.6	33.2	29.2	25.6	22.0	18.1	14.3	11.0	7.91	5.28	2.99	1.35	0.52	0.18	
65	30.7	30.4	29.5	28.1	26.1	23.7	21.2	18.6	16.2	13.4	10.5	7.98	5.78	3.80	2.13	0.99	0.41	0.18	
70	20.7	20.3	19.4	18.3	17.1	15.7	14.1	12.5	10.8	8.93	7.07	5.31	3.80	2.47	1.38	0.66	0.34	0.18	
75	12.3	12.0	11.5	10.8	10.1	9.24	8.25	7.23	6.27	5.25	4.07	3.02	2.16	1.41	0.82	0.41	0.27	0.18	
80	5.65	5.57	5.30	4.96	4.61	4.22	3.75	3.24	2.79	2.38	1.84	1.33	0.99	0.67	0.41	0.26	0.22	0.18	
85	1.41	1.39	1.32	1.24	1.16	1.06	0.94	0.83	0.74	0.64	0.50	0.40	0.32	0.26	0.21	0.16	0.18	0.18	
90	0.10	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.13	0.18	

C Range: 0 - 360DEG

C Interval: 10.0DEG

Test Speed: HIGH

Temperature:20DEG

Operators:LITPA

Test Date:16/12/2021

 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 750W 4000K