

Floodlight Summary:

Report based on lamp delivering 1000 lumens.

Maximum Intensity	4949.7 cd per klm.
(Luminaire orientation as tested.)	0.0 degrees vertical
	0.0 degrees horizontal

Beam Spread	At 10% of Imax	34.2V x 34.4H
	At 50% of Imax	19.4V x 19.9H
	At 90% of Imax	8.5V x 9.4H

Beam Flux	Total	1000.8 lumens per klm.
	To 10% of Imax	553.8 lumens per klm.
	To 50% of Imax	334.6 lumens per klm.
	To 90% of Imax	93.6 lumens per klm.

Upward LOR	0.0 %
Downward LOR	100.1 %

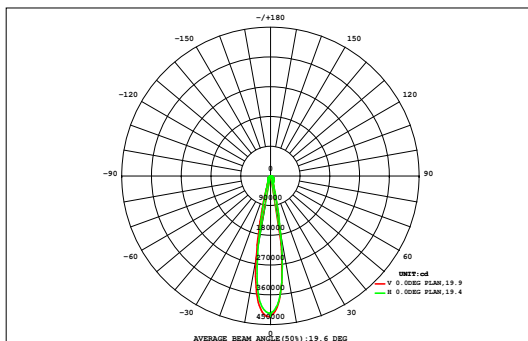
Luminaire Efficiency (Light Output Ratio)	100.0 %
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C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature: 20DEG
Operators: LITPA
Test Date: 15/12/2021

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:230.42V I:0A P:0W PF:0.0000 Freq:50.01Hz Lamp Flux:86018.1x1 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)	425765
NOMINAL POWER (W)	750	AVAILABILITY (%)	55.2
RATED VOLTAGE (V)	230.0	Avai. FLUX (lm)	47510
NOMINAL FLUX (lm)	86018.1	LOR (%)	100.0
LAMPS INSIDE	1	TOTAL FLUX (lm)	86018
TEST VOLTAGE (V)	230	θ @50% (H,V)	20,19DEG

VERTICAL (DEG)	AREA FLUX DIAGRAM																UNIT:lm		Φ t	Φ a
	0.02	0.11	0.31	0.74	1.52	2.65	3.99	5.33	6.13	6.25	5.63	4.58	3.34	2.15	1.17	0.51	0.18	0.04	44.6	0.00
90	0.02	0.11	0.31	0.74	1.52	2.65	3.99	5.33	6.13	6.25	5.63	4.58	3.34	2.15	1.17	0.51	0.18	0.04	44.6	0.00
80	0.04	0.44	2.20	6.36	13.3	22.5	32.3	40.7	45.8	46.1	42.1	34.6	25.2	16.0	8.24	3.15	0.74	0.08	340	0.00
70	0.07	1.37	7.17	19.7	38.9	62.3	87.2	107	120	120	110	92.0	68.0	43.4	22.7	8.90	2.00	0.15	911	0.00
60	0.13	2.89	14.6	38.0	73.3	113	155	185	206	207	191	160	119	78.3	41.3	16.7	3.85	0.26	1606	0.00
50	0.22	4.76	22.8	57.7	109	166	223	268	295	296	272	230	173	114	62.7	25.4	5.99	0.41	2325	0.00
40	0.31	6.60	30.2	76.2	141	216	289	354	396	398	361	299	225	148	82.6	34.2	8.22	0.56	3068	0.00
30	0.41	8.28	36.3	91.5	169	259	358	463	582	589	478	373	273	178	99.0	41.6	10.2	0.70	4009	0.00
20	0.48	9.53	41.1	102	188	293	427	787	2137	2295	886	451	312	201	111	47.1	11.9	0.82	8300	4127
10	0.51	10.2	43.7	107	198	311	490	1711	8205	9045	2298	542	329	211	117	50.2	12.8	0.89	23682	20529
0	0.51	10.1	43.2	106	194	311	483	1653	7870	8755	2385	541	327	209	117	50.2	12.9	0.90	23068	19926
-10	0.47	9.22	39.7	96.9	178	285	418	711	1731	1869	822	440	300	196	110	47.1	12.1	0.84	7267	2928
-20	0.39	7.83	34.1	84.8	156	247	346	443	528	535	456	358	261	173	97.2	41.5	10.7	0.74	3780	0.00
-30	0.30	6.09	27.2	69.4	129	199	273	335	372	374	342	284	214	144	80.4	34.1	8.71	0.60	2894	0.00
-40	0.20	4.26	19.8	51.3	97.4	151	204	247	271	272	252	214	164	110	61.3	25.8	6.45	0.45	2151	0.00
-50	0.12	2.53	12.4	33.1	64.6	102	138	169	185	186	173	147	112	74.5	41.0	17.0	4.20	0.30	1461	0.00
-60	0.07	1.14	6.01	17.1	34.2	55.4	76.2	93.6	103	104	96.4	81.2	61.5	40.1	22.0	8.96	2.22	0.18	803	0.00
-70	0.03	0.34	1.78	5.34	11.1	18.5	26.0	32.3	36.1	36.5	34.0	28.9	22.1	14.4	7.73	3.17	0.83	0.10	279	0.00
-80	0.02	0.08	0.22	0.54	1.10	1.83	2.61	3.31	3.75	3.83	3.68	3.27	2.62	1.83	1.08	0.54	0.22	0.05	30.6	0.00
-90	0.02	0.08	0.22	0.54	1.10	1.83	2.61	3.31	3.75	3.83	3.68	3.27	2.62	1.83	1.08	0.54	0.22	0.05	30.6	0.00
	-90	-80	-70	-60	-50	-40	-30	-20	HORIZONTAL (DEG)	20	30	40	50	60	70	80	90			
Φ t	4.30	85.7	383	964	1798	2816	4031	7609	23092	25136	9208	4283	2991	1955	1084	456	114	8.07	86018	---
Φ a	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2654	19141	21226	4488	0.00	0.00	0.00	0.00	0.00	0.00	0.00	---	47510

one-half-peak spread: U:9.3,D:10.2 , L:9.9,R:10.1

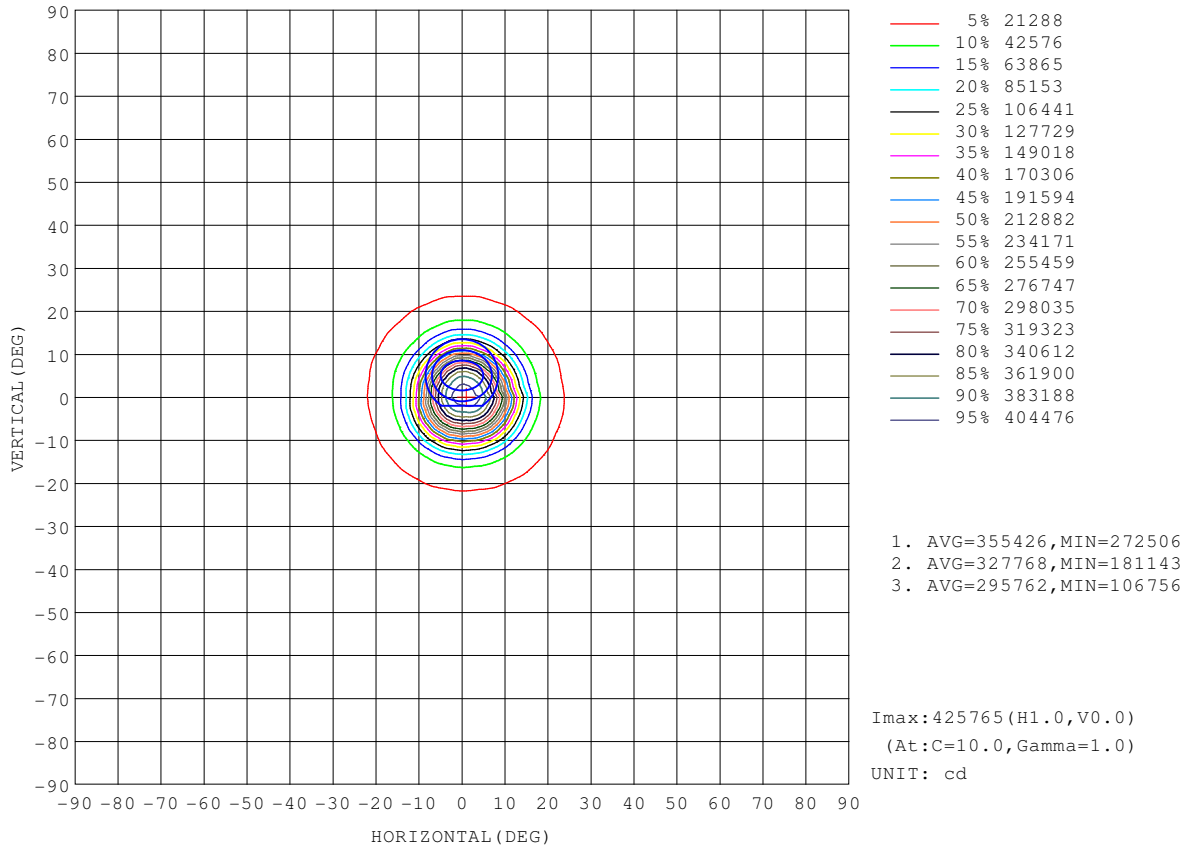
NEMA Beam Type: Type 3

C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature: 20DEG
Operators: LITPA
Test Date: 15/12/2021

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

Test:U:230.42V I:0A P:0W PF:0.0000 Freq:50.01Hz Lamp Flux:86018.1x1 lm		
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SPEC.:750 WATT	DIM.: 540X660X70	SERIAL No.:
MFR.: LITPA AYDINLATMA	SUR.:	Shielding Angle:

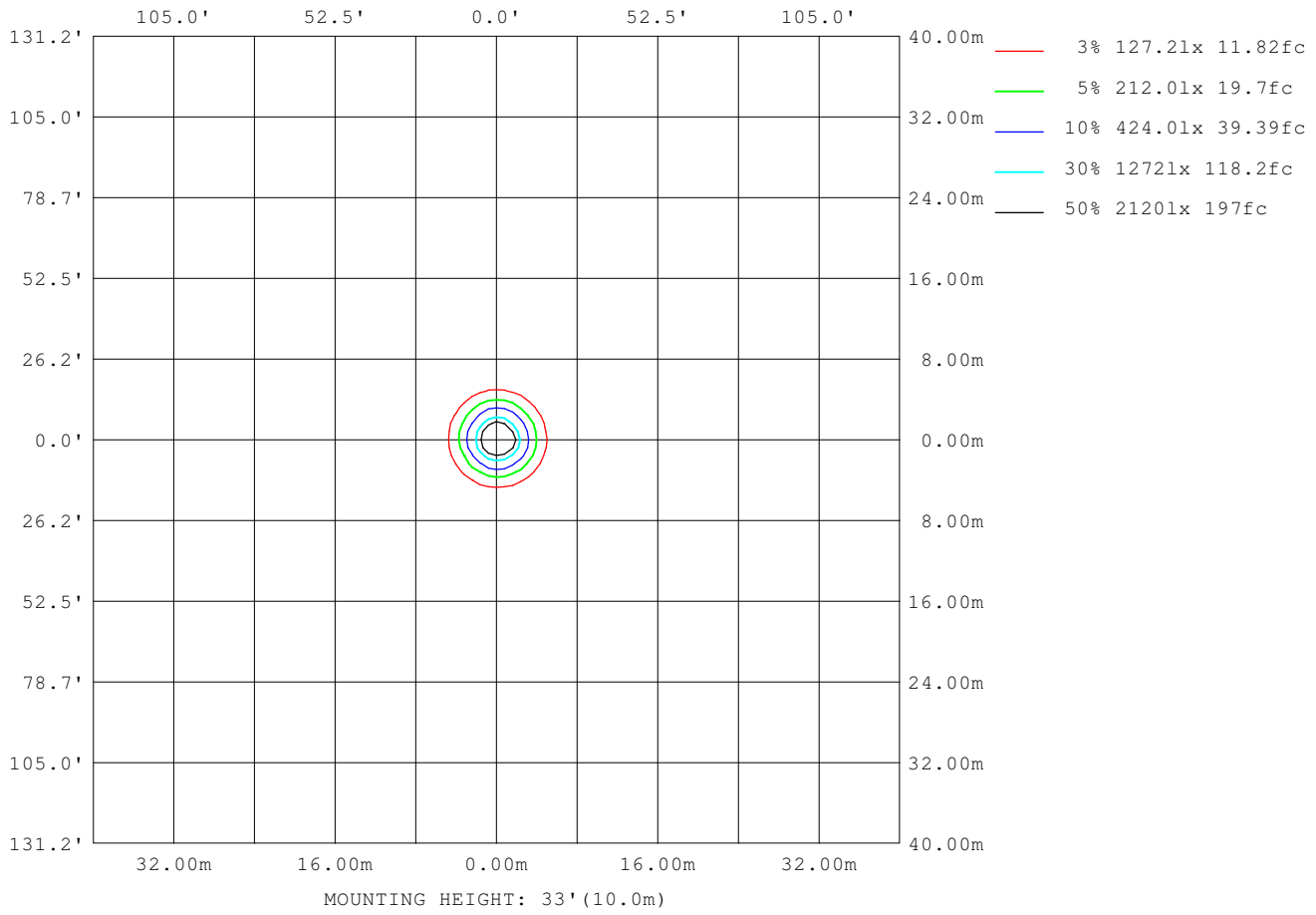


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ISOLUX DIAGRAM

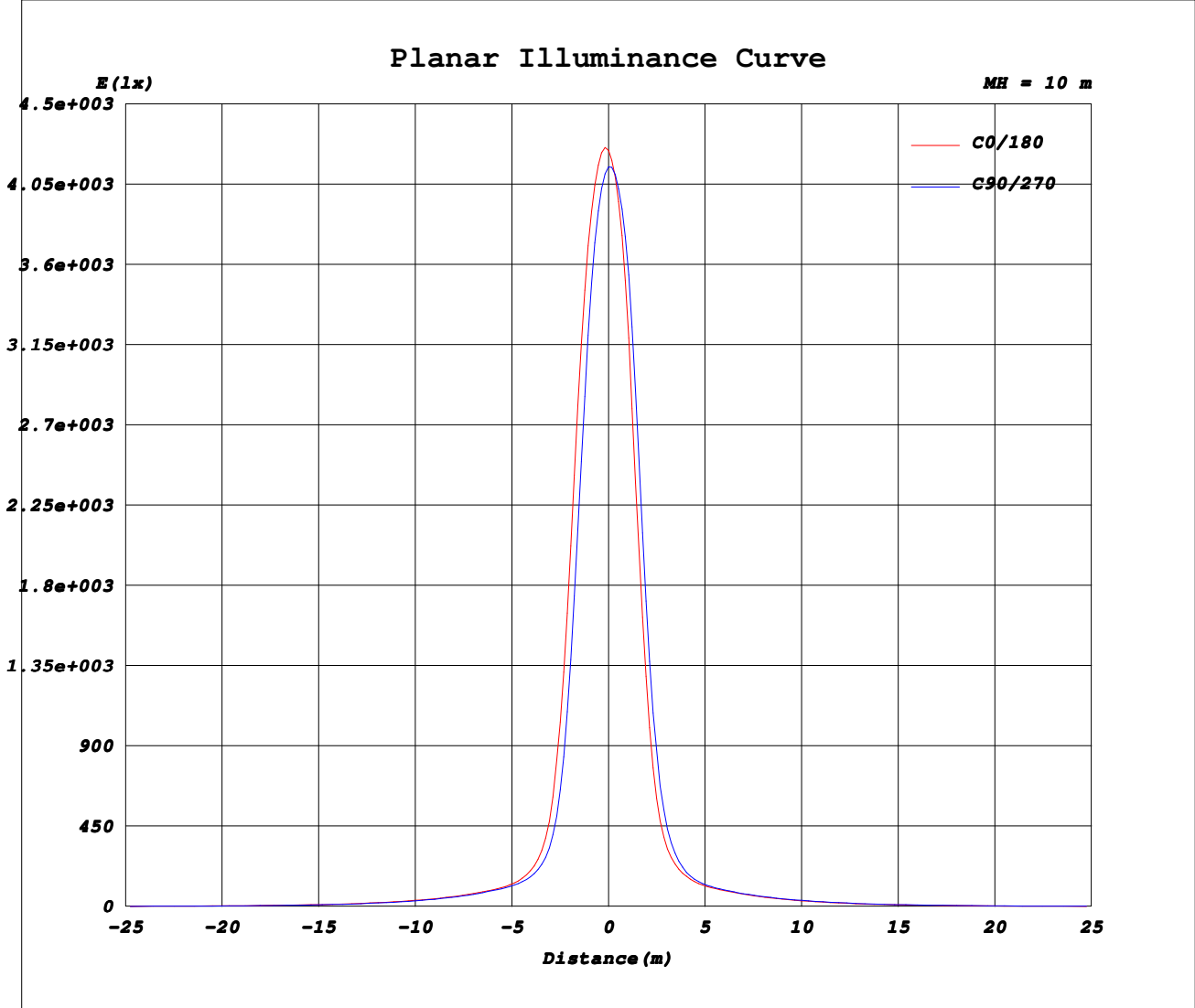
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MFR.: LITPA AYDINLATMA	SUR.:	Shielding Angle:



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Planar Illuminance Curve



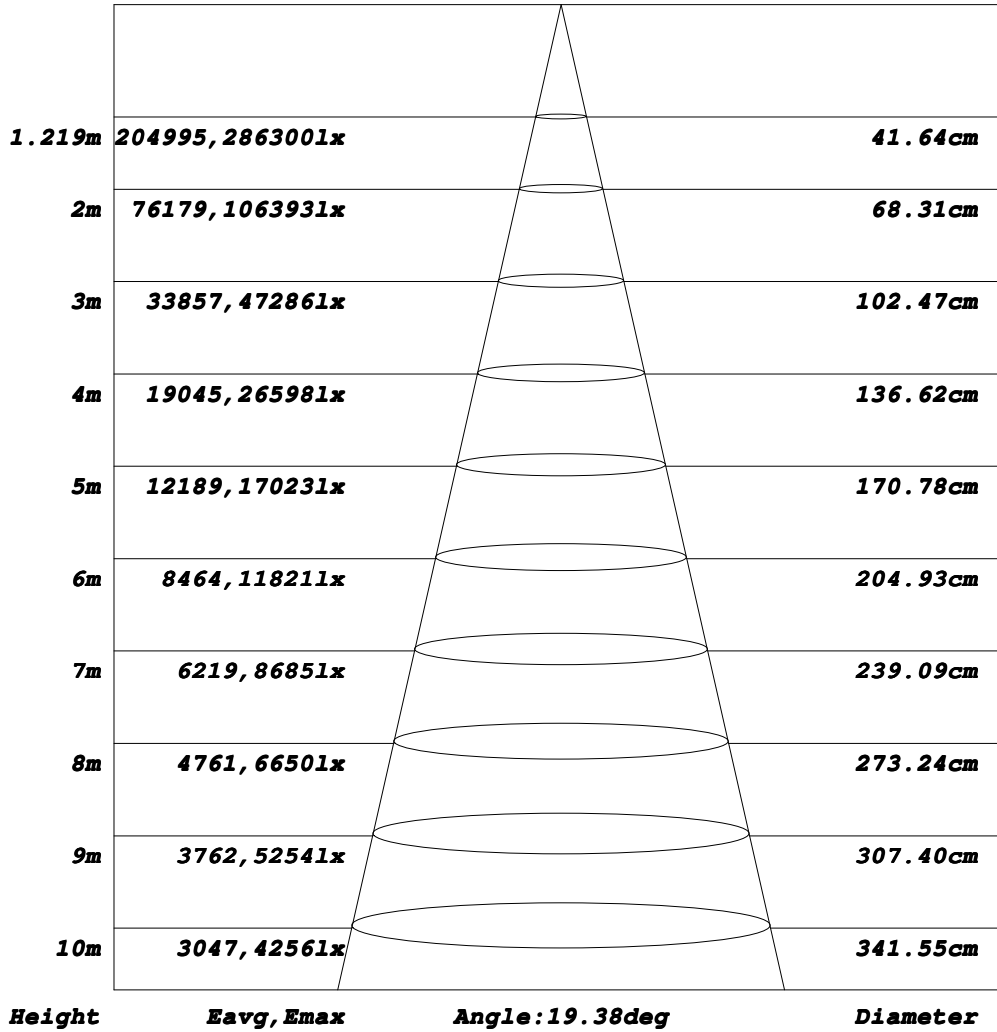
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AAI Figure

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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:29763 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: μ 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	0.07	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	0.06	0.06	0.06	0.06	0.06
-85	0.07	0.07	0.07	0.08	0.10	0.13	0.17	0.21	0.26	0.32	0.37	0.43	0.49	0.56	0.62	0.66	0.68	0.72	0.76
-80	0.07	0.07	0.11	0.18	0.27	0.42	0.66	0.98	1.34	1.69	2.20	2.57	2.91	3.31	3.70	3.93	4.07	4.30	4.46
-75	0.07	0.09	0.18	0.34	0.65	1.22	1.99	2.83	3.77	4.87	6.00	7.02	8.07	9.11	9.92	10.5	10.9	11.4	11.6
-70	0.07	0.12	0.29	0.67	1.42	2.54	4.05	5.77	7.53	9.71	11.8	13.7	15.3	17.0	19.0	20.1	20.9	21.6	22.0
-65	0.07	0.16	0.44	1.23	2.49	4.41	6.82	9.40	12.7	15.7	18.8	21.9	25.0	27.6	29.8	31.5	32.8	33.9	34.5
-60	0.07	0.20	0.66	1.94	3.91	6.69	9.98	14.1	18.1	22.2	27.2	31.6	35.1	38.6	42.0	44.7	46.3	47.5	48.1
-55	0.07	0.23	0.97	2.79	5.57	9.03	13.8	18.7	23.8	30.0	35.6	40.7	45.6	50.0	54.3	57.6	59.6	61.1	61.9
-50	0.07	0.28	1.34	3.72	7.35	12.0	17.5	23.5	30.7	37.5	44.1	50.6	56.6	61.9	66.7	70.5	72.9	74.6	75.6
-45	0.07	0.33	1.73	4.77	9.07	14.9	21.3	29.0	37.3	45.0	52.8	60.5	67.7	73.9	79.2	84.0	87.1	89.2	90.4
-40	0.07	0.38	2.19	5.87	11.2	17.7	25.1	34.6	43.6	52.7	61.5	70.2	78.6	86.1	92.6	98.7	103	105	107
-35	0.07	0.44	2.62	6.93	13.1	20.4	29.4	39.4	49.4	59.9	69.9	79.7	89.6	99.4	107	114	120	122	125
-30	0.07	0.50	3.01	7.93	14.9	23.0	33.5	44.0	55.0	66.5	77.9	89.4	101	112	122	131	140	142	145
-25	0.07	0.56	3.37	8.86	16.5	25.3	36.8	48.1	60.0	72.4	85.4	99.2	112	125	140	149	160	168	174
-20	0.07	0.61	3.73	9.69	18.0	27.8	39.7	51.8	64.6	77.5	92.0	107	123	139	154	175	203	234	250
-15	0.07	0.65	4.03	10.4	19.3	30.0	42.3	54.9	68.4	82.3	98.0	113	132	151	174	222	315	470	562
-10	0.07	0.68	4.25	11.0	20.4	31.6	44.5	57.8	71.7	86.3	103	120	139	159	203	313	681	1399	1824
-5	0.07	0.70	4.40	11.3	21.1	32.6	46.0	60.0	74.5	89.9	106	124	145	170	233	449	1390	2895	3537
0	0.07	0.71	4.47	11.5	21.6	33.1	47.0	61.2	76.3	92.1	108	126	146	174	253	533	1697	3551	4240
5	0.07	0.70	4.44	11.5	21.4	32.8	46.8	61.0	76.0	91.7	107	124	144	170	244	489	1396	2996	3801
10	0.07	0.69	4.33	11.2	21.0	32.1	45.8	59.8	74.5	89.9	105	121	141	164	214	352	750	1598	2192
15	0.07	0.66	4.14	10.8	20.2	30.9	44.3	57.8	72.2	87.3	102	118	135	152	181	244	375	597	750
20	0.07	0.63	3.88	10.2	19.1	29.3	42.0	55.2	69.0	83.4	97.5	111	125	142	159	183	227	280	307
25	0.07	0.58	3.53	9.42	17.7	27.4	38.9	52.0	64.9	78.3	91.3	104	117	130	142	156	168	185	189
30	0.07	0.52	3.17	8.52	16.1	25.3	35.8	48.1	59.9	72.1	84.2	95.9	107	116	127	138	144	152	152
35	0.07	0.46	2.75	7.50	14.2	22.9	32.1	43.4	54.2	65.2	76.4	87.0	96.2	104	114	120	126	131	131
40	0.07	0.40	2.31	6.41	12.3	20.2	28.6	38.3	48.0	58.0	68.1	77.1	85.0	93.0	100	105	110	114	113
45	0.07	0.35	1.85	5.30	10.4	17.3	24.6	32.6	41.5	50.5	59.4	66.6	73.5	80.9	86.7	90.9	95.2	97.9	98.3
50	0.07	0.30	1.45	4.21	8.48	14.2	20.3	27.0	34.7	42.5	49.6	55.7	62.3	68.9	73.3	76.8	80.6	82.6	82.9
55	0.07	0.25	1.07	3.18	6.52	10.8	16.0	21.4	27.5	33.9	39.8	44.9	51.1	56.8	59.8	62.9	66.6	68.2	68.3
60	0.07	0.22	0.75	2.24	4.64	7.94	11.7	16.0	20.5	25.5	30.2	34.8	39.7	44.0	46.5	49.4	52.7	54.0	54.0
65	0.07	0.18	0.51	1.44	3.08	5.25	7.92	11.1	14.4	17.8	21.2	24.7	28.5	31.6	33.9	36.3	38.6	39.5	39.6
70	0.07	0.14	0.34	0.83	1.85	3.11	4.69	6.70	8.93	11.4	13.6	16.0	18.3	20.2	22.0	23.8	25.5	26.1	26.2
75	0.07	0.10	0.23	0.44	0.88	1.53	2.34	3.39	4.64	5.85	7.17	8.62	9.97	11.4	12.5	13.6	14.6	14.9	14.9
80	0.07	0.07	0.15	0.24	0.38	0.58	0.83	1.23	1.73	2.23	2.76	3.39	4.05	4.62	5.12	5.62	6.07	6.18	6.19
85	0.07	0.07	0.08	0.12	0.17	0.20	0.24	0.30	0.38	0.47	0.56	0.70	0.85	0.98	1.10	1.23	1.36	1.38	1.39
90	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.08	0.09	0.10	0.11	0.11	0.11

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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	0.07	0.07	0.08	0.09	0.09	0.10	0.11	0.12	0.12	0.13	0.14	0.15	
-85	0.75	0.73	0.77	0.79	0.78	0.74	0.70	0.67	0.60	0.52	0.45	0.40	0.34	0.29	0.26	0.22	0.18	0.15	
-80	4.38	4.24	4.30	4.24	3.92	3.59	3.37	3.05	2.54	2.12	1.72	1.34	0.99	0.70	0.50	0.34	0.22	0.15	
-75	11.5	11.2	11.2	10.8	10.0	9.24	8.55	7.53	6.32	5.24	4.22	3.21	2.27	1.49	0.94	0.53	0.28	0.15	
-70	21.8	21.2	20.6	19.7	18.5	17.2	15.7	14.0	11.9	9.81	7.79	5.92	4.21	2.75	1.61	0.82	0.34	0.15	
-65	34.1	33.3	32.6	31.3	29.2	27.0	24.4	21.4	18.3	15.3	12.4	9.41	6.66	4.36	2.55	1.19	0.42	0.15	
-60	47.8	46.9	45.8	43.9	41.2	38.0	34.6	30.6	26.1	21.5	17.6	13.5	9.53	6.26	3.62	1.63	0.52	0.15	
-55	61.4	60.4	59.1	56.6	53.4	49.3	44.8	39.9	34.4	28.9	23.2	17.8	12.9	8.34	4.84	2.22	0.62	0.15	
-50	75.0	73.8	72.2	69.1	65.3	60.8	55.4	49.4	42.9	36.1	29.1	22.3	16.3	10.5	6.17	2.78	0.76	0.15	
-45	89.7	88.4	86.0	82.0	77.5	72.3	65.9	58.9	51.1	43.1	34.8	26.6	19.6	12.9	7.54	3.32	0.92	0.15	
-40	105	104	101	95.7	90.2	83.6	75.8	67.8	59.1	49.7	40.5	30.7	22.8	15.4	8.85	3.96	1.06	0.15	
-35	123	121	116	109	103	94.8	85.6	76.5	66.8	56.1	45.6	35.2	25.9	17.6	10.1	4.55	1.19	0.15	
-30	143	141	134	126	116	105	95.5	84.9	73.7	62.1	50.6	39.6	28.7	19.6	11.1	5.09	1.32	0.15	
-25	170	163	153	143	130	117	105	92.5	80.1	67.5	55.2	43.4	31.2	21.4	12.2	5.58	1.43	0.15	
-20	240	214	185	160	144	129	113	99.0	85.8	72.5	59.3	46.5	33.4	22.9	13.1	6.03	1.52	0.15	
-15	507	361	249	188	157	138	119	105	90.9	76.7	62.6	49.1	35.2	24.1	14.0	6.39	1.59	0.15	
-10	1565	905	400	232	170	145	127	110	95.0	79.9	65.0	51.0	36.8	25.1	14.7	6.65	1.64	0.15	
-5	3238	1890	668	286	188	151	131	113	97.3	81.9	66.6	52.2	37.7	25.6	15.2	6.81	1.67	0.15	
0	3943	2533	912	320	194	153	132	113	98.3	82.7	67.2	52.7	38.0	25.9	15.3	6.86	1.68	0.15	
5	3354	1821	644	286	185	152	132	114	98.1	82.0	66.6	52.1	37.8	25.4	15.1	6.75	1.66	0.15	
10	1796	947	416	239	175	149	130	112	96.2	80.2	65.2	50.8	37.0	24.6	14.5	6.53	1.61	0.15	
15	644	422	270	194	159	142	125	109	92.9	77.5	62.8	48.8	35.7	23.5	13.8	6.22	1.55	0.15	
20	288	238	192	165	148	132	117	103	88.2	73.8	59.9	46.5	34.0	22.1	12.8	5.81	1.47	0.15	
25	186	172	160	146	136	122	109	96.2	82.6	69.4	56.2	43.7	31.8	20.4	11.8	5.32	1.37	0.15	
30	152	146	141	131	121	112	101	88.0	76.0	64.0	51.9	40.4	28.9	18.5	10.6	4.78	1.26	0.15	
35	132	127	123	117	108	100	90.3	79.7	68.6	57.7	46.9	36.5	25.5	16.7	9.34	4.18	1.13	0.15	
40	114	111	107	103	96.0	88.3	80.0	70.9	60.9	51.0	41.5	32.3	22.2	14.7	8.04	3.58	0.99	0.15	
45	98.0	96.0	92.6	88.7	83.4	76.7	69.3	61.4	52.8	44.0	35.7	26.9	19.1	12.5	6.83	2.96	0.85	0.15	
50	82.7	81.2	78.4	75.2	71.0	64.9	58.4	51.8	44.5	37.0	29.6	22.0	16.0	10.1	5.61	2.39	0.69	0.15	
55	68.3	67.3	65.0	62.1	58.3	53.3	47.7	42.1	36.3	30.0	22.9	17.7	12.7	7.95	4.35	1.84	0.56	0.15	
60	54.2	53.4	51.4	48.8	45.8	41.7	37.2	32.9	28.2	22.5	17.7	13.5	9.33	6.07	3.21	1.35	0.46	0.15	
65	39.7	39.1	37.3	35.2	33.1	30.5	27.4	23.6	19.8	16.4	12.8	9.36	6.65	4.19	2.23	0.98	0.37	0.15	
70	26.2	25.8	24.6	23.3	21.9	19.9	17.3	15.2	13.1	10.6	8.09	6.04	4.19	2.65	1.39	0.64	0.30	0.15	
75	15.0	14.8	13.9	12.8	12.1	11.1	9.82	8.41	7.07	5.87	4.49	3.22	2.28	1.42	0.80	0.40	0.25	0.15	
80	6.28	6.27	5.93	5.45	5.06	4.71	4.09	3.44	2.93	2.50	1.87	1.32	0.97	0.65	0.40	0.25	0.20	0.15	
85	1.42	1.44	1.35	1.24	1.18	1.09	0.95	0.82	0.72	0.61	0.48	0.38	0.30	0.25	0.21	0.17	0.16	0.15	
90	0.11	0.12	0.11	0.11	0.11	0.11	0.11	0.10	0.11	0.11	0.11	0.10	0.10	0.10	0.10	0.10	0.13	0.15	

C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature:20DEG
Operators:LITPA
Test Date:15/12/2021

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