

Floodlight Summary:

Report based on lamp delivering 1000 lumens.

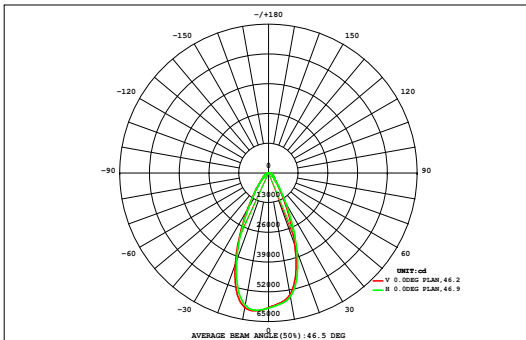
Maximum Intensity (Luminaire orientation as tested.)		1377.3 cd per klm. 0.0 degrees vertical 0.0 degrees horizontal
Beam Spread	At 10% of Imax At 50% of Imax At 90% of Imax	80.4V x 79.5H 46.9V x 46.2H 24.4V x 24.0H
Beam Flux	Total To 10% of Imax To 50% of Imax To 90% of Imax	1000.2 lumens per klm. 838.7 lumens per klm. 524.3 lumens per klm. 160.5 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 325W 6500K

LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:230.32V I:1.4664A P:329.63W PF:0.9760 Freq:50.01Hz Lamp Flux:45057.6x1 lm		
NAME: KYH-XL	TYPE:OUTDOOR	WEIGHT:28 kg
SPEC.:325 WATT	DIM.: 540X660X70	SERIAL No.:
MFR.: LITPA AYDINLATMA	SUR.:	Shielding Angle:



DATA OF LAMP		Eff:136.69lm/W	
MODEL	KYH-XL	Imax (cd)	62057
NOMINAL POWER (W)	325	AVAILABILITY (%)	83.7
RATED VOLTAGE (V)	230.0	Avai. FLUX (lm)	37720
NOMINAL FLUX (lm)	45057.6	LOR (%)	100.0
LAMPS INSIDE	1	TOTAL FLUX (lm)	45058
TEST VOLTAGE (V)	230	θ @50% (H, V)	46,47DEG

VERTICAL (DEG)	AREA FLUX DIAGRAM																UNIT:lm		Φ t	Φ a
	0.01	0.05	0.16	0.41	0.82	1.34	1.88	2.35	2.61	2.68	2.57	2.23	1.75	1.23	0.76	0.39	0.16	0.04		
90	0.01	0.05	0.16	0.41	0.82	1.34	1.88	2.35	2.61	2.68	2.57	2.23	1.75	1.23	0.76	0.39	0.16	0.04	21.4	0.00
80	0.02	0.22	1.05	2.93	5.81	9.26	12.7	15.3	16.5	16.6	15.8	13.6	10.4	6.98	3.96	1.76	0.52	0.06	133	0.00
70	0.04	0.62	3.04	7.93	15.2	23.6	31.7	37.1	39.8	40.0	37.9	33.0	25.3	17.0	9.55	4.20	1.15	0.11	327	0.00
60	0.06	1.23	5.70	14.4	27.0	41.3	55.1	66.3	72.8	73.4	68.3	58.0	44.2	29.6	16.4	7.21	1.94	0.17	583	0.00
50	0.10	1.92	8.50	20.8	38.4	59.9	86.3	114	135	136	119	92.8	65.6	42.4	23.5	10.3	2.78	0.23	958	22.9
40	0.14	2.57	10.9	26.5	49.5	86.1	150	243	321	330	262	169	98.4	56.1	30.3	13.0	3.56	0.30	1852	1238
30	0.18	3.13	12.8	31.2	61.4	126	281	554	807	840	621	336	152	72.1	36.1	15.2	4.20	0.35	3954	3541
	0.20	3.53	14.1	34.4	72.1	176	472	1015	1456	1521	1162	601	228	88.6	40.4	16.8	4.65	0.39	6907	6566
	0.22	3.71	14.8	36.1	78.4	210	610	1300	1729	1840	1525	805	285	99.5	42.7	17.6	4.87	0.41	8601	8286
	0.22	3.70	14.7	36.0	78.0	208	602	1282	1685	1750	1464	780	282	98.9	42.5	17.6	4.87	0.41	8351	8034
	0.20	3.50	14.0	34.1	70.1	166	443	947	1340	1393	1058	553	216	86.1	39.9	16.8	4.64	0.39	6387	6036
	0.18	3.10	12.6	30.4	58.9	117	251	490	707	732	543	302	143	69.0	35.1	15.1	4.18	0.35	3514	3081
-30	0.14	2.53	10.5	25.5	47.6	79.9	133	209	273	281	228	153	91.0	53.7	29.3	12.8	3.52	0.29	1634	915
-40	0.10	1.86	8.00	19.7	36.4	56.5	78.9	102	118	120	107	84.7	61.2	40.5	22.9	10.0	2.72	0.23	870	0.00
-50	0.06	1.16	5.27	13.4	24.8	38.5	50.9	60.8	66.0	66.4	62.5	53.5	41.7	28.1	16.0	6.90	1.87	0.17	538	0.00
-60	0.03	0.56	2.72	7.16	13.5	21.1	28.3	33.4	35.7	36.0	34.4	30.2	23.5	15.7	8.97	3.89	1.08	0.11	296	0.00
-70	0.02	0.18	0.88	2.46	4.86	7.81	10.7	13.0	14.0	14.2	13.6	11.8	9.06	6.10	3.50	1.56	0.47	0.06	114	0.00
-80	0.01	0.04	0.12	0.29	0.56	0.92	1.29	1.60	1.78	1.85	1.79	1.58	1.27	0.90	0.58	0.31	0.13	0.03	15.0	0.00
-90	0.01	0.04	0.12	0.29	0.56	0.92	1.29	1.60	1.78	1.85	1.79	1.58	1.27	0.90	0.58	0.31	0.13	0.03	15.0	0.00
	-90	-80	-70	-60	-50	-40	-30	-20	HORIZONTAL (DEG)	20	30	40	50	60	70	80	90			
Φ t	1.92	33.6	140	344	683	1428	3300	6487	8820	9194	7327	4081	1780	812	402	171	47.3	4.09	45058	---
Φ a	0.00	0.00	0.00	0.00	0.00	626	2713	5947	8302	8681	6796	3517	1113	25.4	0.00	0.00	0.00	0.00	---	37720

one-half-peak spread: U:28.8,D:18.3 , L:28.6,R:17.9

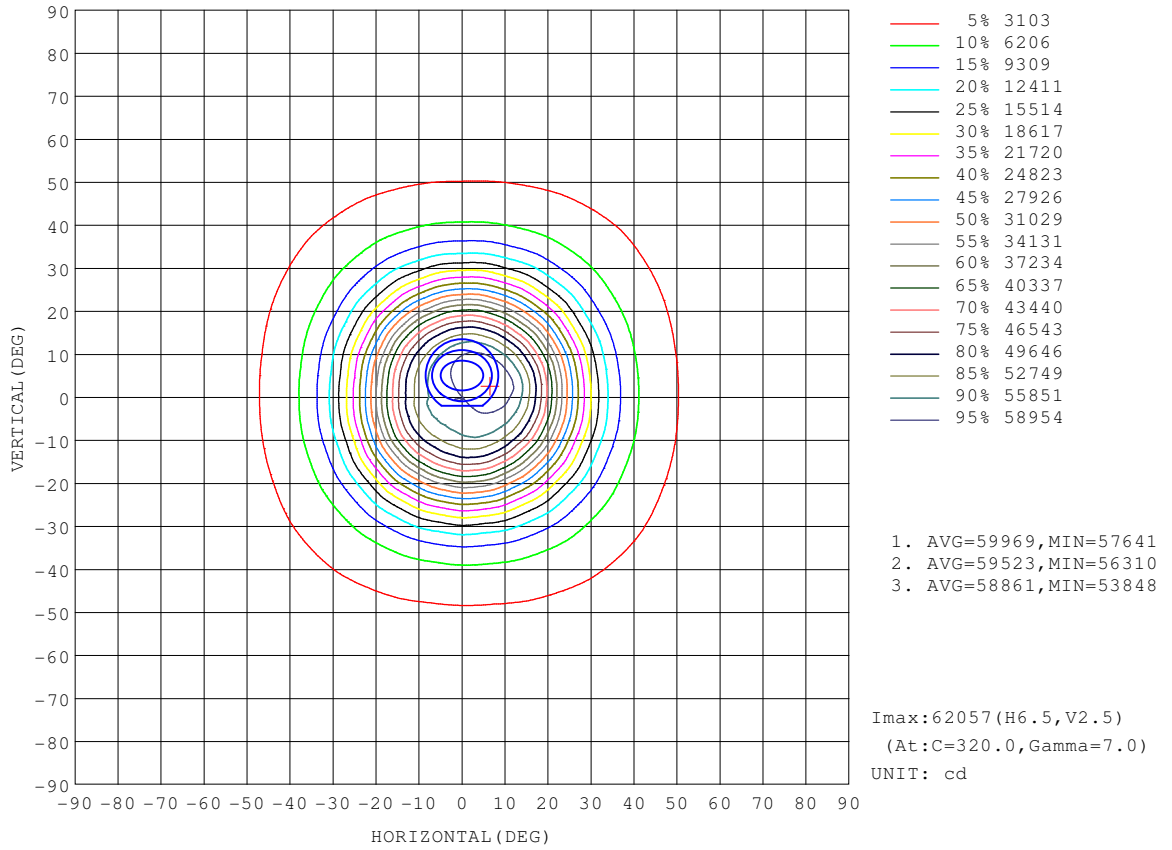
NEMA Beam Type: Type 5

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%
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ISOCANDELA DIAGRAM

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SPEC.:325 WATT	DIM.: 540X660X70	SERIAL No.:
MFR.: LITPA AYDINLATMA	SUR.:	Shielding Angle:

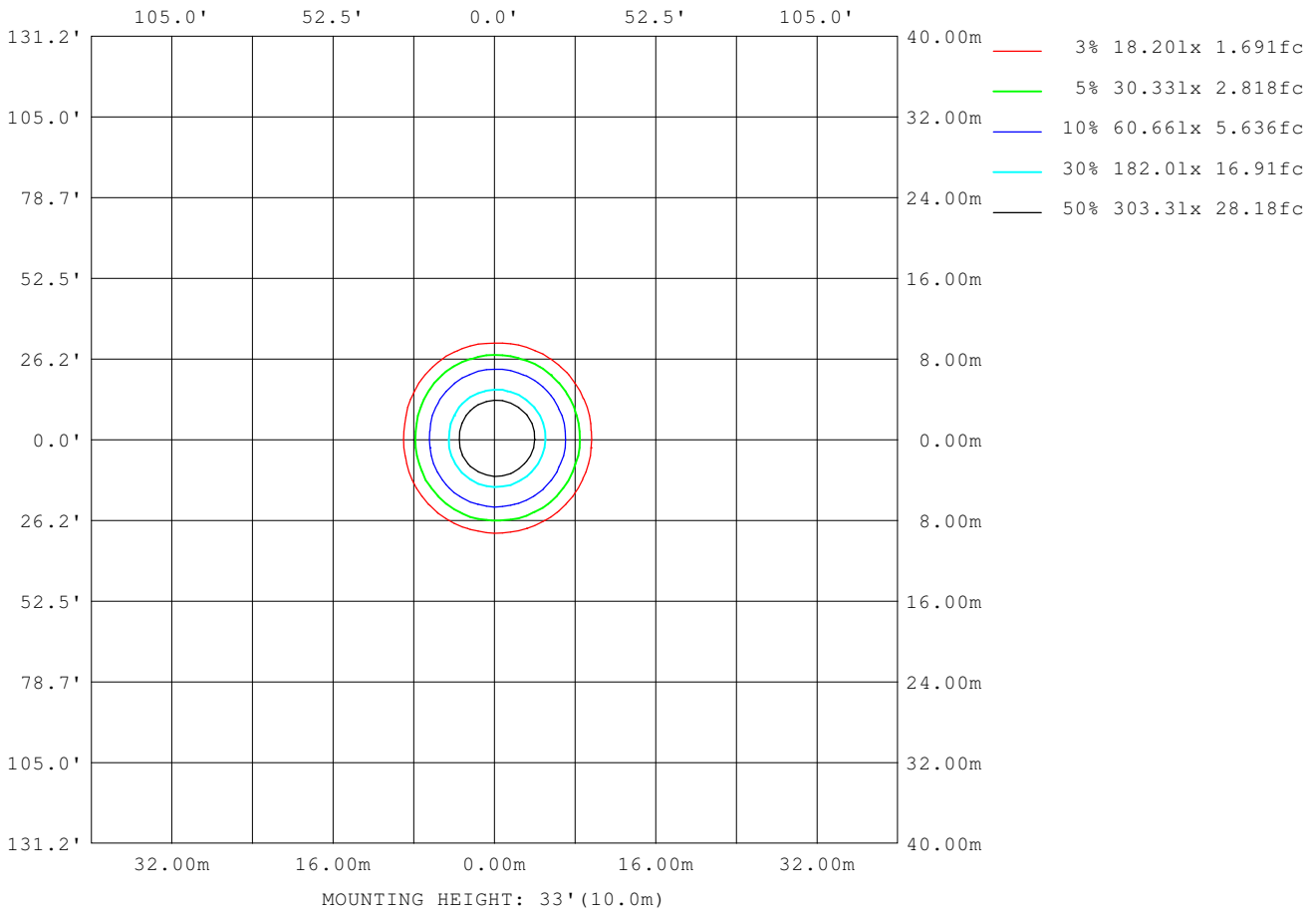


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ISOLUX DIAGRAM

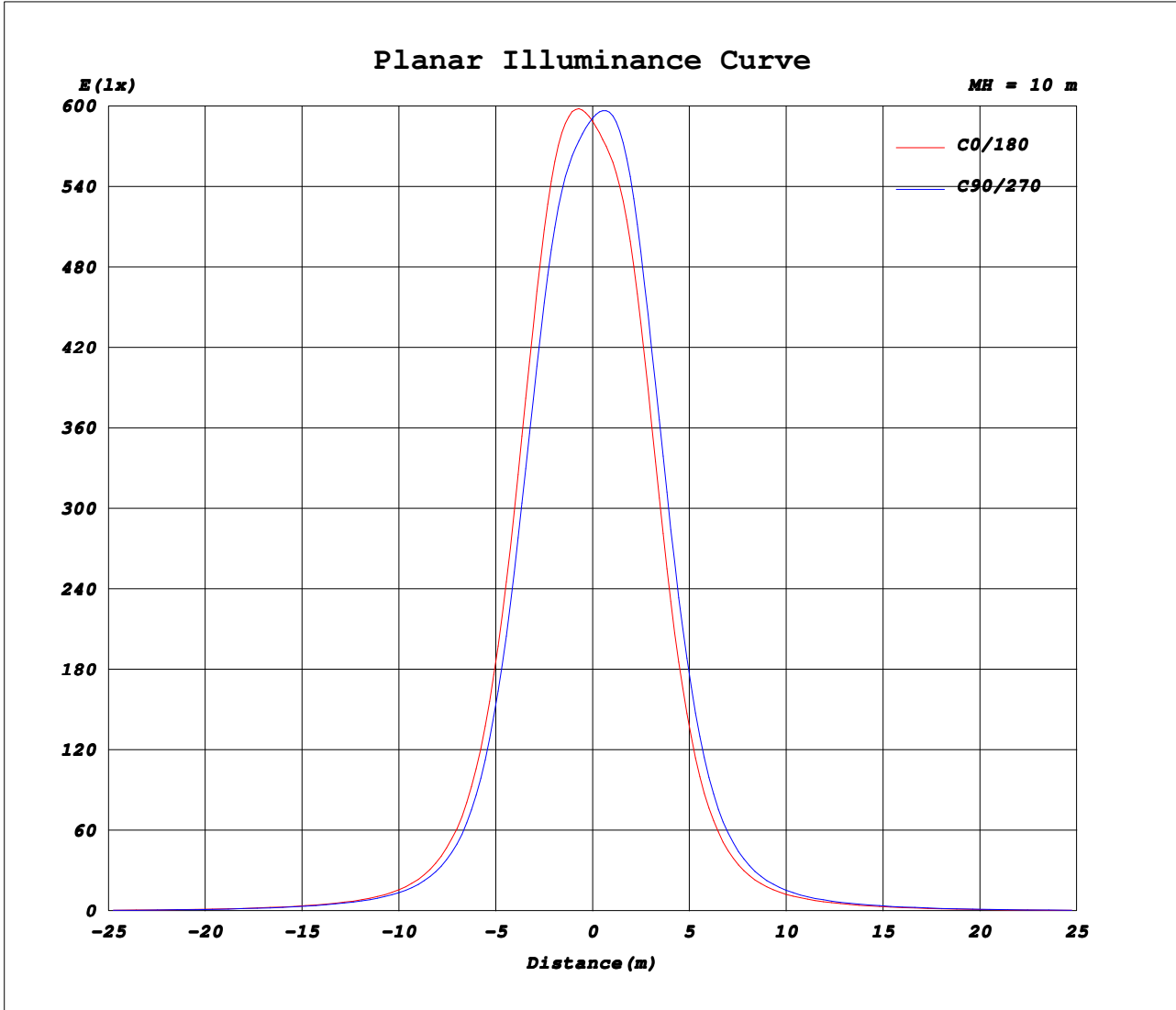
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Planar Illuminance Curve

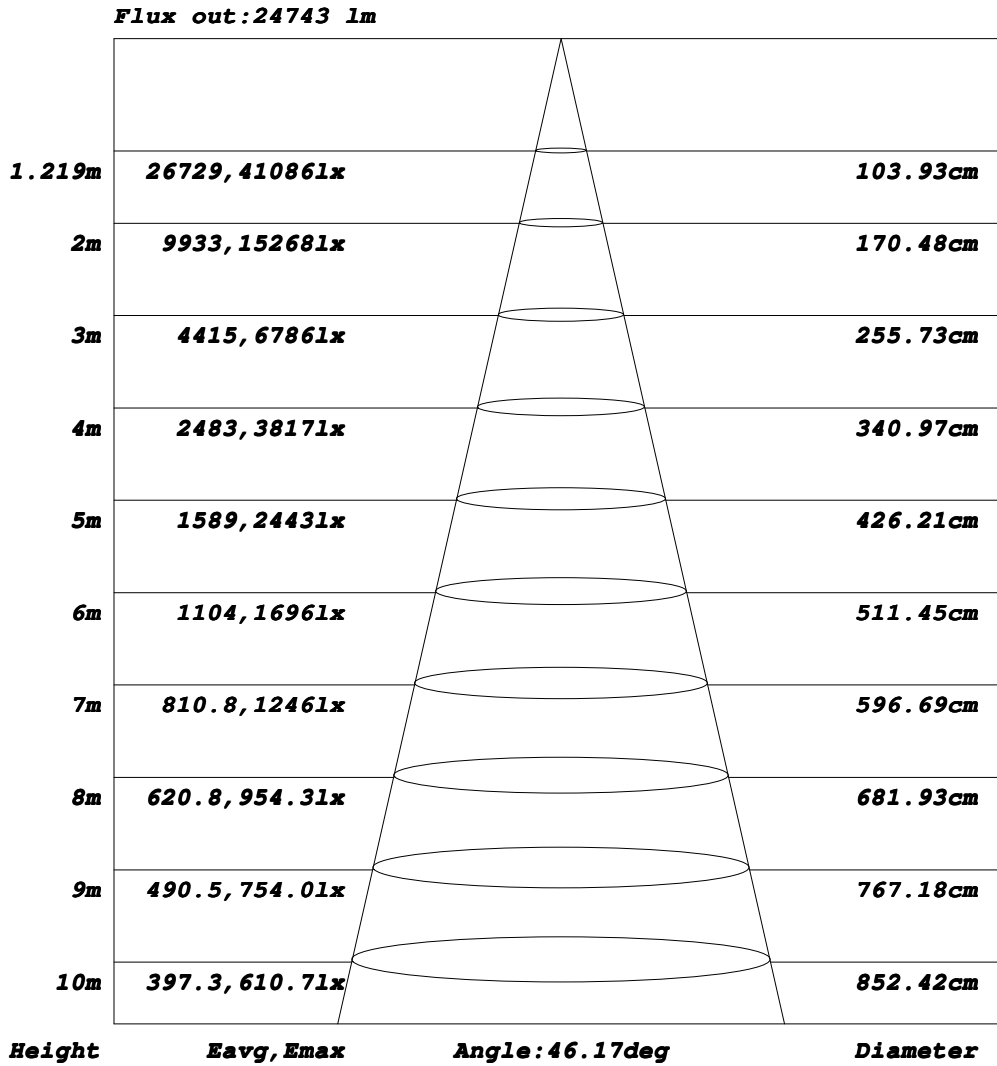


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AAI Figure

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SPEC.:325 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

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SPEC.:325 WATT	DIM.: 540X660X70	SERIAL No.:
MFR.: LITPA AYDINLATMA	SUR.:	Shielding Angle:

Table--1

UNIT: $\mu\text{A}10\text{cd}$

H (DEG) V (DEG)	-90	-85	-80	-75	-70	-65	-60	-55	-50	-45	-40	-35	-30	-25	-20	-15	-10	-5	0
-90	0.26	0.25	0.24	0.24	0.24	0.24	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.24	0.24	0.24
-85	0.26	0.25	0.23	0.34	0.49	0.70	0.97	1.18	1.43	1.76	2.10	2.37	2.66	3.04	3.37	3.53	3.62	3.82	3.96
-80	0.26	0.24	0.51	0.98	1.57	2.40	3.59	5.01	6.52	8.35	10.4	12.2	13.7	15.4	17.1	18.0	18.5	19.3	19.7
-75	0.26	0.35	1.00	1.95	3.54	6.18	9.58	13.3	17.2	21.7	26.3	30.3	33.9	37.6	41.0	43.0	43.9	45.1	45.7
-70	0.26	0.51	1.62	3.59	7.15	12.3	18.5	25.4	32.2	39.8	47.6	54.5	61.1	67.0	72.5	75.3	76.5	78.0	78.7
-65	0.26	0.69	2.38	6.15	12.2	20.1	29.8	40.1	50.7	61.8	72.9	84.0	93.5	102	109	113	115	117	118
-60	0.26	0.96	3.44	9.37	18.0	29.4	42.7	57.7	71.7	86.6	103	118	131	142	151	157	161	163	164
-55	0.26	1.21	4.90	13.0	24.7	39.5	57.0	76.1	94.9	114	135	155	171	185	197	207	213	217	219
-50	0.26	1.47	6.49	17.0	31.8	49.9	71.1	94.3	118	142	166	189	209	228	246	262	272	280	284
-45	0.26	1.72	8.14	21.2	38.8	60.5	85.0	111	141	169	196	225	255	283	311	339	361	377	386
-40	0.26	1.96	9.94	25.3	45.6	70.3	97.7	128	161	194	228	265	309	357	408	467	517	551	571
-35	0.26	2.22	11.6	29.1	52.1	79.6	110	144	181	219	262	314	383	471	571	687	795	867	912
-30	0.26	2.53	13.2	32.7	58.2	88.0	121	159	199	244	301	377	484	638	835	1050	1284	1414	1521
-25	0.26	2.79	14.6	35.8	63.2	95.2	131	172	216	269	343	456	622	873	1237	1624	2032	2305	2467
-20	0.26	3.01	15.9	38.4	67.5	101	140	183	232	292	387	545	803	1190	1758	2420	2991	3428	3665
-15	0.26	3.18	16.8	40.5	70.9	106	147	192	246	316	434	637	991	1575	2366	3250	4014	4521	4779
-10	0.26	3.30	17.5	42.0	73.4	109	152	199	256	336	477	731	1165	1888	2922	4017	4832	5266	5493
-5	0.26	3.37	17.9	42.9	74.8	111	154	203	262	349	507	798	1312	2162	3284	4463	5288	5629	5756
0	0.26	3.40	18.0	43.0	75.1	112	155	204	264	353	515	817	1350	2229	3391	4598	5395	5709	5888
5	0.26	3.38	17.9	43.0	75.0	112	155	203	263	351	510	802	1312	2159	3317	4529	5368	5764	6023
10	0.26	3.32	17.6	42.2	73.8	110	152	200	257	339	486	754	1225	2000	3022	4163	5059	5581	5872
15	0.26	3.21	16.9	40.8	71.5	107	147	194	249	325	453	678	1057	1659	2524	3500	4350	4914	5193
20	0.26	3.05	16.0	38.8	68.2	102	141	186	238	304	408	580	861	1317	1948	2655	3335	3839	4087
25	0.26	2.83	14.7	36.2	64.0	96.8	134	177	223	280	360	486	688	988	1371	1859	2300	2670	2828
30	0.26	2.57	13.3	33.1	59.0	90.4	125	165	206	253	315	406	539	720	961	1235	1466	1696	1759
35	0.26	2.26	11.7	29.5	53.5	82.8	115	150	188	227	275	339	420	527	662	803	931	1030	1063
40	0.26	2.00	10.1	25.6	47.3	74.0	103	135	168	202	240	283	333	395	467	537	602	644	654
45	0.26	1.77	8.34	21.6	40.7	64.3	90.4	118	148	178	208	238	271	307	345	379	412	432	436
50	0.26	1.52	6.68	17.6	33.8	53.8	76.1	100	126	152	178	200	223	247	267	286	302	311	313
55	0.26	1.26	5.08	13.7	26.7	42.9	61.3	81.5	103	125	146	166	184	200	212	224	233	238	238
60	0.26	1.01	3.63	10.0	20.0	32.4	46.4	62.5	79.4	96.9	113	130	145	157	165	173	178	181	181
65	0.26	0.75	2.53	6.77	13.7	22.7	32.8	44.2	57.2	69.6	81.5	93.7	106	114	121	125	128	130	129
70	0.26	0.55	1.74	4.11	8.46	14.1	20.8	28.8	37.4	45.8	53.8	62.3	70.4	77.1	81.9	85.3	87.4	88.0	87.5
75	0.26	0.38	1.12	2.30	4.42	7.50	11.3	15.9	21.3	26.1	31.0	36.1	41.0	45.0	48.4	51.2	53.2	53.5	53.0
80	0.26	0.26	0.61	1.23	2.05	3.12	4.50	6.58	8.97	11.3	13.5	15.9	18.5	20.3	21.9	23.7	25.1	25.1	24.8
85	0.26	0.26	0.26	0.46	0.80	1.08	1.38	1.76	2.29	2.77	3.21	3.85	4.56	4.97	5.33	5.84	6.29	6.35	6.32
90	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.27	0.27	0.27	0.27	0.28	0.29	0.32	0.35	0.37	0.39	0.41	0.43

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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	0.24	0.24	0.25	0.25	0.25	0.25	0.26	0.27	0.30	0.34	0.38	0.43	0.49	0.55	0.65	0.76	0.87	0.98
-85	4.01	3.99	4.11	4.15	3.96	3.71	3.60	3.47	3.16	2.81	2.59	2.39	2.05	1.79	1.61	1.38	1.15	0.98
-80	19.7	19.5	19.6	19.2	17.9	16.5	15.3	13.9	12.0	10.3	8.73	7.16	5.54	4.13	3.05	2.15	1.44	0.98
-75	45.8	45.3	45.2	44.0	41.4	38.2	35.4	31.8	27.4	23.2	19.4	15.4	11.5	8.02	5.38	3.30	1.80	0.98
-70	78.8	78.2	78.3	76.7	72.9	67.6	61.8	55.1	47.7	40.4	33.3	26.3	19.5	13.4	8.59	4.83	2.20	0.98
-65	118	117	116	114	110	103	93.4	83.2	72.0	61.2	50.5	39.7	29.2	20.0	12.6	6.66	2.65	0.98
-60	164	163	161	157	150	141	131	116	99.9	84.7	70.7	54.7	40.3	27.6	17.1	8.74	3.25	0.98
-55	218	216	212	204	194	182	168	150	130	110	91.2	71.1	52.1	35.6	21.9	11.1	3.82	0.98
-50	282	278	270	257	240	222	203	182	160	135	111	86.8	64.3	43.9	27.0	13.5	4.48	0.98
-45	383	374	356	330	302	273	243	214	188	159	130	102	76.2	52.1	32.1	15.9	5.17	0.98
-40	563	542	501	447	394	341	292	251	216	183	149	116	87.0	60.1	37.0	18.3	5.80	0.98
-35	888	842	752	643	540	438	357	295	247	205	166	130	97.2	67.6	41.5	20.5	6.41	0.98
-30	1458	1364	1160	963	755	574	443	349	279	227	183	143	106	74.3	45.6	22.6	7.04	0.98
-25	2394	2176	1804	1442	1061	767	556	410	313	248	199	154	114	79.9	49.2	24.4	7.57	0.98
-20	3577	3214	2684	2063	1478	1021	687	477	349	269	213	164	121	84.6	52.3	26.0	8.01	0.98
-15	4711	4319	3639	2802	1990	1290	825	550	386	289	225	172	127	88.4	54.7	27.3	8.36	0.98
-10	5480	5174	4513	3516	2433	1566	976	622	420	304	234	178	131	91.1	56.4	28.2	8.61	0.98
-5	5841	5692	5101	4040	2825	1799	1086	671	440	314	239	182	133	92.5	57.4	28.7	8.76	0.98
0	6045	5977	5391	4266	2963	1863	1115	689	447	317	241	183	133	92.8	57.6	28.9	8.81	0.98
5	6186	6004	5335	4199	2905	1812	1091	677	443	315	240	182	133	92.6	57.5	28.7	8.77	0.98
10	5902	5554	4835	3767	2618	1649	1010	635	424	306	235	179	131	91.2	56.6	28.2	8.64	0.98
15	5135	4721	4015	3100	2133	1378	881	576	397	293	228	174	127	88.6	54.9	27.4	8.40	0.98
20	4014	3612	3016	2335	1637	1079	727	503	364	276	217	166	122	84.8	52.5	26.1	8.06	0.98
25	2780	2483	2101	1606	1183	835	588	431	326	258	204	157	115	80.0	49.5	24.6	7.63	0.98
30	1754	1561	1357	1080	834	632	476	367	290	235	189	146	108	74.6	45.9	22.8	7.10	0.98
35	1055	972	863	728	590	477	387	313	256	212	171	133	98.7	68.3	41.8	20.7	6.48	0.98
40	655	623	565	505	434	369	316	268	225	189	153	119	88.8	61.2	37.3	18.4	5.87	0.98
45	437	423	394	365	330	294	260	228	196	164	133	105	78.2	53.5	32.6	16.0	5.25	0.98
50	314	309	296	281	262	239	216	192	167	139	113	89.1	66.8	45.6	27.6	13.6	4.57	0.98
55	240	238	231	221	210	194	177	158	137	115	93.2	73.4	54.8	37.5	22.7	11.3	3.91	0.98
60	183	181	178	171	164	153	139	123	107	89.6	73.3	57.4	42.9	29.5	17.9	9.01	3.32	0.98
65	130	130	128	124	119	111	100	89.1	77.9	66.0	53.8	42.1	31.7	22.0	13.3	6.89	2.71	0.98
70	88.6	88.4	87.0	84.5	80.9	75.4	68.0	60.1	52.6	44.9	36.4	28.5	21.6	15.1	9.31	5.04	2.26	0.98
75	54.1	54.3	52.8	50.6	48.3	45.0	40.7	36.1	31.6	27.0	21.9	17.1	13.0	9.26	5.98	3.48	1.85	0.98
80	25.6	26.0	25.0	23.7	22.8	21.5	19.2	16.8	15.0	13.0	10.6	8.34	6.65	5.03	3.48	2.28	1.49	0.98
85	6.62	6.83	6.67	6.41	6.27	6.04	5.49	4.95	4.61	4.17	3.55	3.02	2.60	2.27	1.85	1.50	1.23	0.98
90	0.45	0.47	0.49	0.51	0.52	0.53	0.56	0.60	0.64	0.67	0.73	0.78	0.82	0.86	0.91	0.97	0.97	0.98

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 325W 6500K