

Floodlight Summary:

Report based on lamp delivering 1000 lumens.

Maximum Intensity	785.5 cd per klm.
(Luminaire orientation as tested.)	0.0 degrees vertical
	0.0 degrees horizontal

Beam Spread	At 10% of Imax	109.9V x 110.1H
	At 50% of Imax	69.5V x 69.4H
	At 90% of Imax	50.4V x 51.1H

Beam Flux	Total	1000.1 lumens per klm.
	To 10% of Imax	906.0 lumens per klm.
	To 50% of Imax	631.5 lumens per klm.
	To 90% of Imax	180.7 lumens per klm.

Upward LOR	0.0 %
Downward LOR	100.0 %

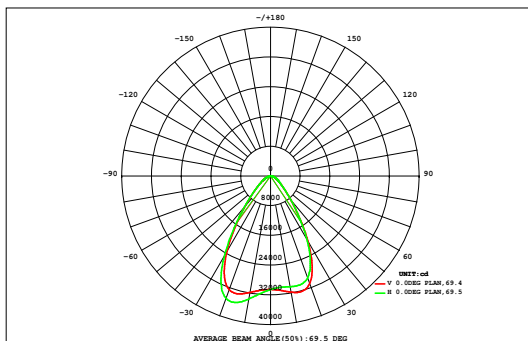
Luminaire Efficiency (Light Output Ratio)	100.0 %
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C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature: 20DEG
Operators: LITPA
Test Date: 17/12/2021

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:230.19V I:1.4672A P:329.64W PF:0.9760 Freq:50.01Hz Lamp Flux:45277.5x1 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:137.35lm/W	
MODEL	KYH-XL	Imax (cd)	35563
NOMINAL POWER (W)	325	AVAILABILITY (%)	90.6
RATED VOLTAGE (V)	230.0	Avai. FLUX (lm)	41004
NOMINAL FLUX (lm)	45277.5	LOR (%)	100.0
LAMPS INSIDE	1	TOTAL FLUX (lm)	45278
TEST VOLTAGE (V)	230	θ @50% (H, V)	69, 70DEG

VERTICAL (DEG)	AREA FLUX DIAGRAM																UNIT:lm		Φ t	Φ a	
	0.01	0.06	0.18	0.45	0.89	1.48	2.13	2.71	3.04	3.13	2.94	2.50	1.92	1.32	0.78	0.38	0.14	0.03	24.1	0.00	
80	0.02	0.25	1.26	3.57	7.17	11.5	15.9	19.3	21.0	21.2	20.0	17.1	13.0	8.63	4.79	2.06	0.56	0.05	167	0.00	
70	0.04	0.77	3.86	10.1	19.3	29.9	40.2	47.7	51.8	52.2	49.0	42.3	32.5	21.7	12.1	5.22	1.37	0.11	420	0.00	
60	0.07	1.58	7.39	18.4	34.4	53.0	73.2	90.9	102	103	94.5	78.3	57.7	38.0	21.0	9.19	2.40	0.18	785	175	
50	0.12	2.51	11.1	26.8	50.6	84.5	131	182	219	224	194	145	95.0	56.6	30.3	13.2	3.51	0.26	1470	1185	
40	0.18	3.40	14.3	35.0	70.1	136	250	398	512	523	429	284	159	80.5	39.7	16.8	4.54	0.34	2954	2763	
30	0.22	4.16	17.0	42.3	93.4	210	448	733	911	928	784	513	252	110	48.6	19.8	5.39	0.41	5120	4969	
	0.26	4.71	18.9	47.8	115	292	637	943	1050	1063	994	722	357	140	55.7	21.9	5.98	0.46	6470	6337	
	0.28	4.98	19.8	50.9	127	339	719	955	974	984	993	807	415	156	59.6	23.0	6.26	0.48	6633	6509	
	0.28	4.96	19.7	50.4	125	331	693	918	930	927	939	769	401	153	59.2	22.9	6.25	0.48	6351	6225	
	0.26	4.65	18.5	46.4	109	269	576	836	914	917	863	637	320	131	54.4	21.7	5.94	0.46	5725	5589	
	0.22	4.07	16.4	40.4	87.4	192	386	609	738	746	634	422	219	101	46.4	19.4	5.32	0.40	4268	4108	
-30	0.17	3.28	13.7	33.2	65.9	122	216	324	397	401	333	229	134	73.5	37.6	16.3	4.44	0.33	2403	2195	
-40	0.12	2.38	10.4	25.6	47.6	77.6	115	154	177	178	156	119	82.5	51.8	28.8	12.6	3.39	0.25	1242	902	
-50	0.07	1.45	6.84	17.5	32.3	49.6	66.4	80.6	87.9	88.2	81.6	68.2	52.1	35.1	20.0	8.62	2.26	0.17	699	47.0	
-60	0.04	0.67	3.45	9.32	17.8	27.7	36.7	43.3	46.3	46.5	44.0	38.0	29.6	19.8	11.2	4.75	1.23	0.10	381	0.00	
-70	0.02	0.20	1.04	3.05	6.21	10.1	14.0	16.9	18.3	18.5	17.5	14.9	11.4	7.51	4.16	1.75	0.47	0.05	146	0.00	
-80	0.01	0.04	0.13	0.31	0.63	1.05	1.50	1.90	2.12	2.18	2.08	1.76	1.37	0.94	0.56	0.28	0.11	0.03	17.0	0.00	
-90																					
	2.39	44.1	184	462	1010	2238	4421	6355	7156	7226	6629	4910	2635	1186	535	220	59.6	4.60	45278	---	
	0.00	0.00	0.00	22.8	654	1939	4141	6084	6889	6958	6361	4636	2350	866	103	0.00	0.00	0.00	---	41004	

one-half-peak spread: U:19.4,D:19.4 , L:19.7,R:19.0

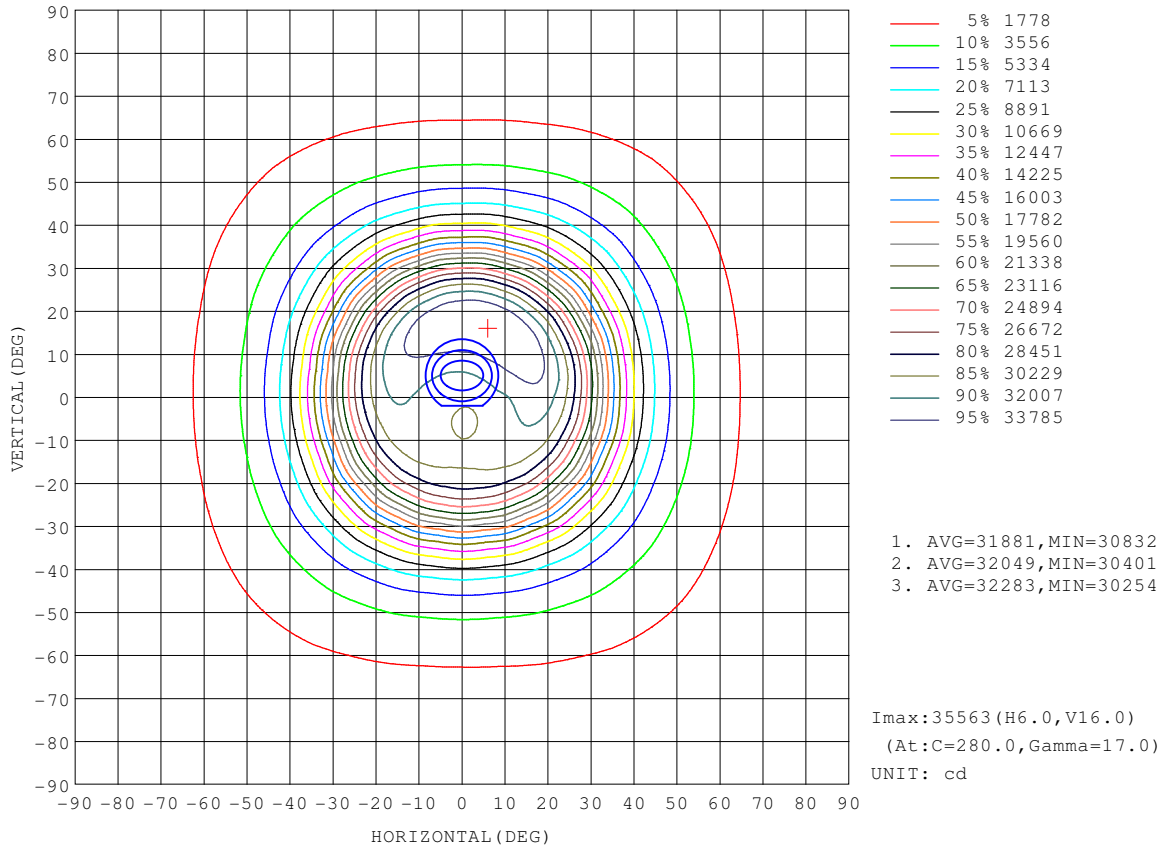
NEMA Beam Type: Type 6

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

ISOCANDELA DIAGRAM

Test:U:230.19V I:1.4672A P:329.64W PF:0.9760 Freq:50.01Hz Lamp Flux:45277.5x1 lm		
NAME: KYH-XL	TYPE:OUTDOOR	WEIGHT:28 kg
SPEC.:325 WATT	DIM.: 540X660X70	SERIAL No.:
MFR.: LITPA AYDINLATMA	SUR.:	Shielding Angle:

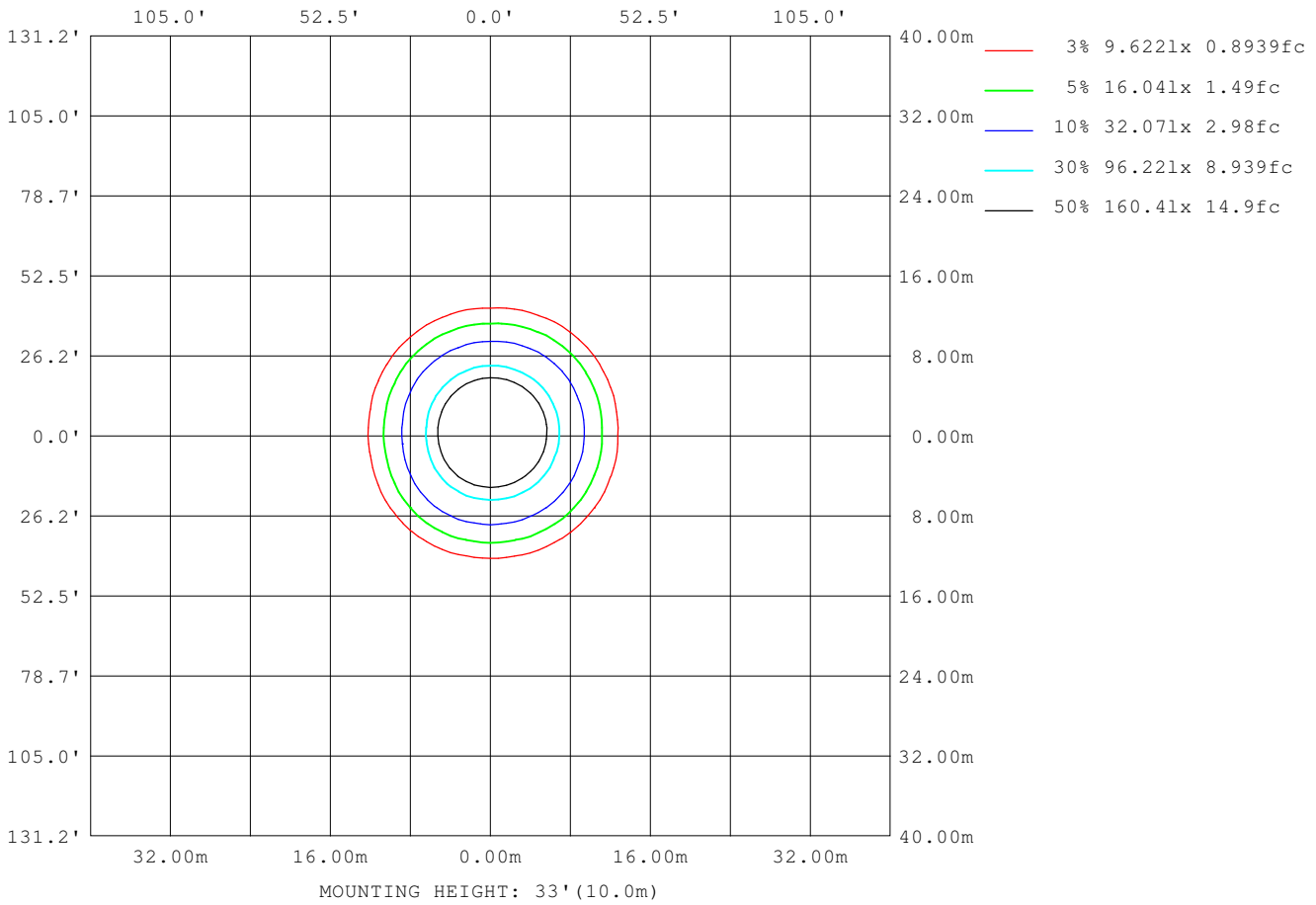


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ISOLUX DIAGRAM

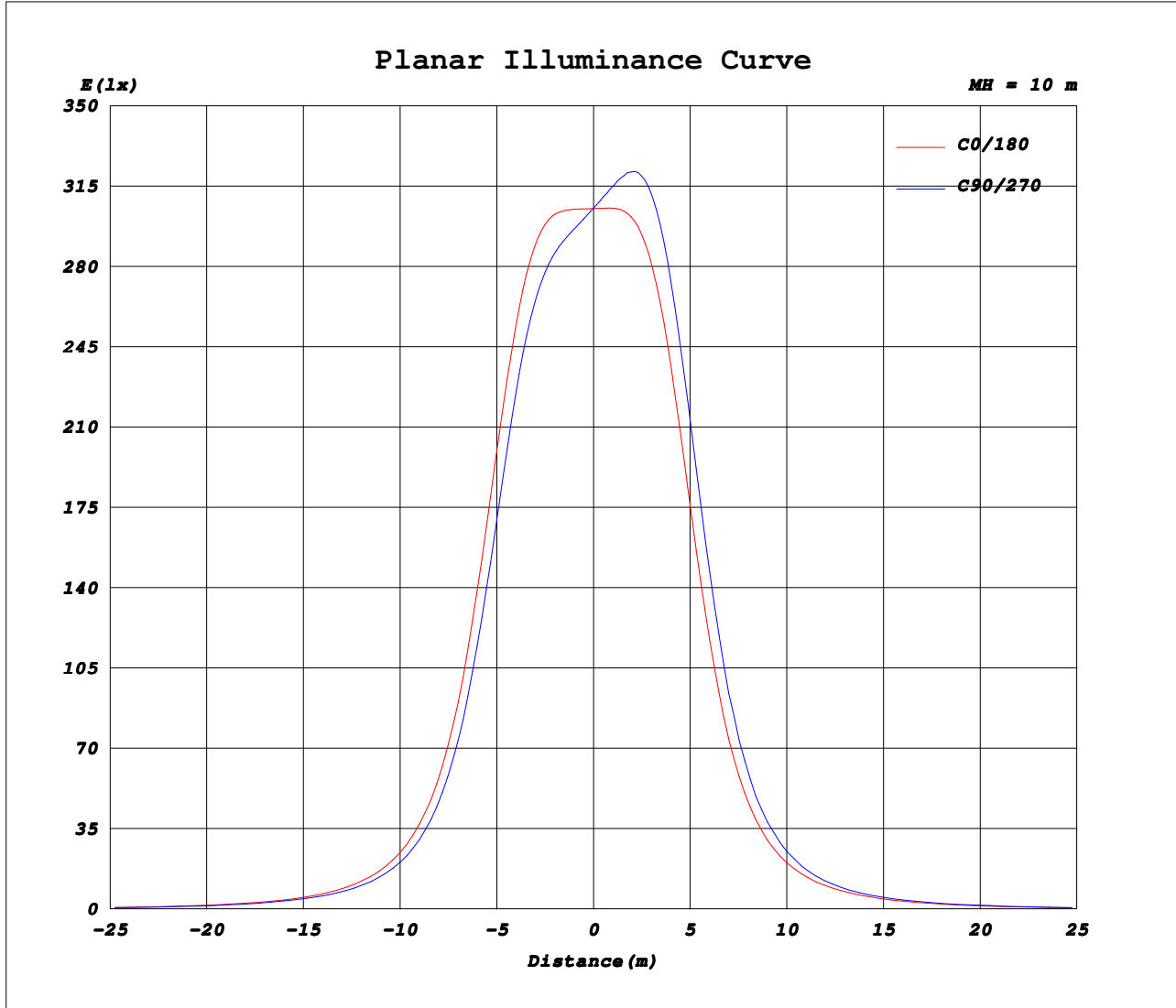
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Planar Illuminance Curve

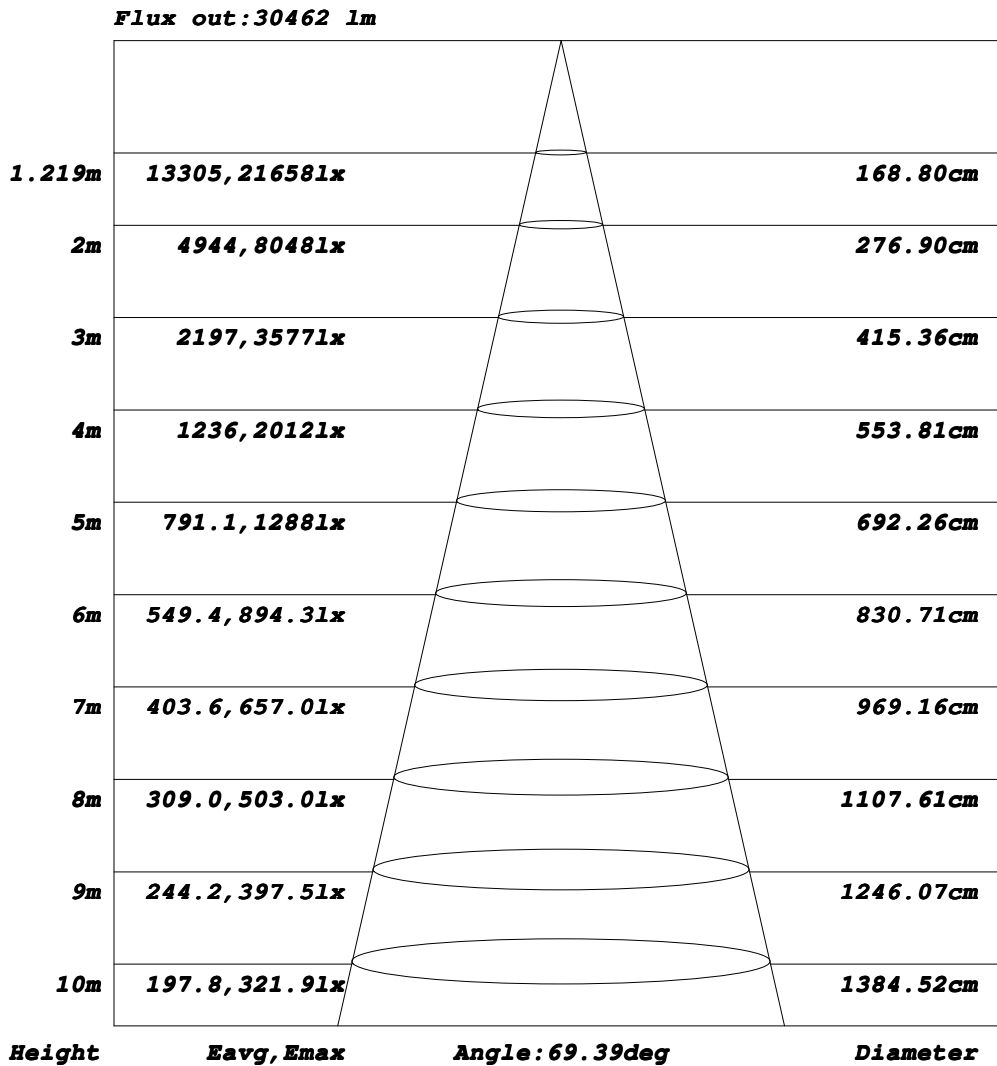


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C Interval: 10.0DEG
Test Speed: HIGH
Temperature: 20DEG
Operators: LITPA
Test Date: 17/12/2021

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Test System: EVERFINE GO-2000B_V1 SYSTEM V2.0.400
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AAI Figure

Test:U:230.19V I:1.4672A P:329.64W PF:0.9760 Freq:50.01Hz Lamp Flux:45277.5x1 lm		
NAME: KYH-XL	TYPE:OUTDOOR	WEIGHT:28 kg
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.

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
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LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:230.19V I:1.4672A P:329.64W PF:0.9760 Freq:50.01Hz Lamp Flux:45277.5x1 lm		
NAME: KYH-XL	TYPE:OUTDOOR	WEIGHT:28 kg
SPEC.:325 WATT	DIM.: 540X660X70	SERIAL No.:
MFR.: LITPA AYDINLATMA	SUR.:	Shielding Angle:

Table--1

UNIT: μ Á10cd

H (DEG) V (DEG)	-90	-85	-80	-75	-70	-65	-60	-55	-50	-45	-40	-35	-30	-25	-20	-15	-10	-5	0
-90	0.33	0.31	0.30	0.30	0.30	0.30	0.31	0.31	0.31	0.31	0.31	0.31	0.31	0.31	0.31	0.31	0.31	0.31	0.31
-85	0.33	0.32	0.30	0.45	0.64	0.84	1.02	1.16	1.40	1.74	2.08	2.36	2.68	3.13	3.55	3.68	3.73	3.97	4.15
-80	0.33	0.32	0.68	1.05	1.54	2.45	3.87	5.64	7.61	9.91	12.6	14.7	16.7	19.1	21.5	22.7	23.3	24.3	24.8
-75	0.33	0.49	1.07	1.91	3.83	7.14	11.5	16.4	21.5	27.5	33.8	39.1	43.9	48.9	53.6	56.3	57.4	59.3	60.5
-70	0.33	0.72	1.58	3.92	8.43	15.0	23.4	32.2	41.9	52.1	62.9	72.0	80.6	88.2	95.0	98.7	101	102	103
-65	0.33	0.93	2.43	7.15	14.8	25.5	38.2	52.3	66.5	81.5	96.2	111	122	132	141	146	149	152	152
-60	0.33	1.08	3.78	11.3	22.8	37.8	55.7	75.4	94.7	114	136	154	169	182	194	202	207	210	211
-55	0.33	1.23	5.64	16.1	31.6	51.5	74.3	99.5	124	150	174	199	219	238	257	271	279	286	289
-50	0.33	1.47	7.73	21.5	41.0	65.0	92.9	123	153	184	214	247	279	310	340	367	383	394	401
-45	0.33	1.75	9.92	27.0	50.5	78.8	111	145	182	219	260	307	359	411	462	513	546	567	579
-40	0.33	2.02	12.3	32.3	59.5	92.0	127	167	210	258	313	382	466	556	646	740	810	851	874
-35	0.33	2.34	14.6	37.6	68.1	104	143	187	239	302	379	479	610	769	926	1086	1214	1283	1339
-30	0.33	2.75	16.8	42.5	76.1	115	158	207	267	347	456	602	798	1048	1310	1549	1773	1871	1956
-25	0.33	3.11	18.8	47.0	83.1	124	172	227	296	395	540	750	1032	1381	1783	2091	2339	2475	2541
-20	0.33	3.41	20.7	50.8	89.1	133	183	244	325	443	624	903	1301	1761	2221	2577	2782	2883	2920
-15	0.33	3.65	22.2	53.9	94.1	140	193	258	351	490	710	1046	1540	2119	2589	2897	3028	3046	3037
-10	0.33	3.82	23.2	56.2	97.8	145	201	272	373	531	787	1189	1753	2364	2841	3076	3110	3062	3024
-5	0.33	3.93	23.9	57.7	100	149	206	281	389	561	844	1298	1925	2553	2992	3159	3133	3055	3009
0	0.33	3.97	24.1	58.2	101	150	209	285	396	574	870	1349	2006	2652	3082	3219	3173	3091	3052
5	0.33	3.95	23.9	57.9	101	150	208	284	394	569	860	1320	1970	2646	3111	3284	3268	3197	3175
10	0.33	3.86	23.4	56.8	98.8	147	204	277	382	545	818	1254	1885	2559	3067	3332	3395	3369	3360
15	0.33	3.71	22.4	54.7	95.5	142	198	266	364	515	759	1145	1693	2328	2900	3270	3449	3505	3523
20	0.33	3.49	21.0	51.8	91.0	136	189	253	342	473	674	983	1427	2013	2572	3009	3298	3445	3503
25	0.33	3.20	19.2	48.2	85.2	128	178	238	315	422	580	820	1166	1616	2081	2534	2861	3079	3157
30	0.33	2.85	17.3	43.8	78.3	119	165	219	283	369	489	667	914	1211	1565	1932	2200	2422	2490
35	0.33	2.44	15.2	38.9	70.7	109	151	197	251	319	409	533	688	881	1113	1334	1528	1685	1710
40	0.33	2.12	13.0	33.7	62.4	97.1	134	175	220	273	339	421	518	637	767	892	1006	1088	1098
45	0.33	1.85	10.7	28.3	53.5	83.9	117	152	190	232	281	333	394	465	537	602	664	703	712
50	0.33	1.55	8.37	22.8	44.1	70.0	98.6	128	161	195	229	265	304	347	385	421	452	470	473
55	0.33	1.30	6.13	17.6	34.5	55.7	78.9	104	131	160	185	211	237	263	284	304	320	328	329
60	0.33	1.15	4.20	12.7	25.4	41.7	59.7	79.8	101	124	144	164	183	199	212	224	233	238	237
65	0.33	1.00	2.78	8.34	17.3	28.6	41.5	56.4	72.8	88.7	104	119	134	145	154	161	167	169	169
70	0.33	0.79	1.80	4.76	10.4	17.6	25.9	36.0	47.1	57.8	67.9	78.6	89.1	97.4	104	109	112	113	112
75	0.33	0.56	1.22	2.44	5.10	8.91	13.5	19.4	25.9	31.9	38.0	44.7	50.8	56.2	60.6	64.4	67.3	68.3	68.3
80	0.33	0.38	0.84	1.30	2.11	3.36	5.02	7.49	10.3	12.8	15.5	18.7	22.0	24.4	26.5	28.8	30.6	31.0	30.8
85	0.33	0.36	0.41	0.65	0.93	1.15	1.39	1.72	2.26	2.75	3.18	3.88	4.66	5.14	5.54	6.21	6.83	6.92	6.90
90	0.33	0.33	0.33	0.33	0.34	0.34	0.34	0.34	0.34	0.35	0.35	0.37	0.38	0.41	0.45	0.47	0.49	0.50	0.52

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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	0.31	0.31	0.32	0.32	0.32	0.33	0.34	0.36	0.39	0.42	0.46	0.49	0.53	0.58	0.62	0.66	0.71	0.77
-85	4.19	4.16	4.23	4.22	3.99	3.65	3.47	3.31	2.94	2.51	2.23	2.01	1.62	1.39	1.25	1.06	0.90	0.77
-80	24.8	24.5	24.2	23.6	21.7	19.6	18.0	16.2	13.7	11.4	9.44	7.35	5.49	3.81	2.58	1.68	1.09	0.77
-75	60.0	58.8	58.2	56.2	52.5	48.2	44.4	39.5	33.6	27.9	22.9	17.7	12.7	8.42	5.29	2.83	1.38	0.77
-70	103	102	101	98.5	92.5	85.9	78.5	69.9	60.2	50.4	41.0	31.9	23.0	15.2	9.14	4.59	1.71	0.77
-65	152	150	149	144	137	128	118	106	91.1	77.0	63.3	49.1	35.6	23.8	14.2	6.83	2.13	0.77
-60	211	208	205	197	187	176	162	146	126	107	88.4	68.5	50.1	33.5	20.1	9.34	2.79	0.77
-55	286	281	274	261	244	227	208	186	162	138	114	89.0	65.1	44.1	26.5	12.4	3.41	0.77
-50	396	386	370	347	318	290	260	229	198	169	139	109	80.6	55.1	32.9	15.5	4.20	0.77
-45	570	551	519	473	425	376	326	279	238	200	163	128	96.1	65.6	39.6	18.6	5.04	0.77
-40	856	818	753	666	581	494	411	341	284	233	188	147	110	75.9	46.2	21.8	5.82	0.77
-35	1296	1234	1110	962	814	659	526	419	336	267	212	165	124	86.0	52.4	24.8	6.57	0.77
-30	1893	1814	1605	1383	1127	879	675	516	393	303	236	183	136	95.3	57.8	27.4	7.33	0.77
-25	2504	2397	2182	1903	1514	1157	861	624	456	342	260	199	147	103	62.7	29.8	7.99	0.77
-20	2906	2835	2672	2371	1953	1492	1059	738	522	380	283	213	157	109	66.7	31.9	8.53	0.77
-15	3051	3061	2987	2756	2344	1789	1248	857	588	416	303	224	165	114	70.1	33.6	8.96	0.77
-10	3052	3121	3146	3010	2632	2057	1448	968	647	445	318	233	170	117	72.5	34.7	9.27	0.77
-5	3040	3135	3221	3161	2844	2261	1590	1042	684	464	328	239	173	119	73.9	35.4	9.46	0.77
0	3086	3180	3283	3255	2950	2348	1639	1066	699	471	331	240	174	120	74.4	35.7	9.53	0.77
5	3229	3331	3410	3337	2987	2357	1638	1065	696	470	330	239	174	120	74.1	35.5	9.51	0.77
10	3402	3478	3488	3315	2894	2247	1560	1021	669	455	323	235	171	118	72.9	34.9	9.37	0.77
15	3543	3548	3448	3158	2653	2027	1412	936	625	432	309	227	166	114	70.6	33.8	9.10	0.77
20	3496	3410	3194	2829	2298	1706	1196	820	566	401	292	217	159	110	67.4	32.3	8.70	0.77
25	3135	2977	2715	2310	1863	1388	987	696	498	365	272	204	150	104	63.5	30.3	8.18	0.77
30	2470	2300	2075	1746	1397	1078	791	578	429	325	249	189	139	96.5	58.7	27.9	7.53	0.77
35	1722	1602	1441	1238	1014	800	623	475	365	285	223	172	127	88.1	53.4	25.1	6.76	0.77
40	1111	1054	964	852	720	593	483	387	308	247	197	154	114	78.5	47.4	22.2	6.01	0.77
45	717	690	638	585	515	441	374	314	259	212	172	134	101	68.3	41.0	19.2	5.25	0.77
50	477	466	441	412	377	334	292	254	215	179	145	114	85.6	58.1	34.4	16.1	4.42	0.77
55	332	328	316	299	281	256	228	203	176	147	119	93.9	69.6	47.4	27.9	13.1	3.63	0.77
60	240	237	231	221	210	195	178	158	138	115	93.5	72.7	54.4	36.6	21.6	10.3	2.97	0.77
65	171	170	166	159	152	143	130	115	99.9	84.2	67.9	53.1	39.3	26.8	15.7	7.49	2.28	0.77
70	114	114	112	108	103	96.2	86.4	76.3	66.6	56.4	45.4	34.8	26.2	17.8	10.7	5.15	1.82	0.77
75	68.9	68.5	66.6	63.6	60.6	56.1	50.7	44.7	38.9	33.0	26.4	20.2	15.1	10.4	6.33	3.27	1.46	0.77
80	31.4	31.6	30.4	28.7	27.2	25.6	22.7	19.8	17.4	15.0	11.9	9.22	7.12	5.15	3.28	1.92	1.15	0.77
85	7.21	7.41	7.12	6.71	6.54	6.29	5.65	5.03	4.62	4.10	3.38	2.79	2.30	1.94	1.53	1.19	0.98	0.77
90	0.54	0.56	0.58	0.59	0.60	0.61	0.63	0.66	0.68	0.70	0.73	0.76	0.78	0.80	0.82	0.84	0.80	0.77

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