

Floodlight Summary:

Report based on lamp delivering 1000 lumens.

Maximum Intensity	500.4 cd per klm.
(Luminaire orientation as tested.)	0.0 degrees vertical
	0.0 degrees horizontal

Beam Spread	At 10% of Imax	116.4V x 110.1H
	At 50% of Imax	105.4V x 94.8H
	At 90% of Imax	99.3V x 87.8H

Beam Flux	Total	1000.0 lumens per klm.
	To 10% of Imax	960.9 lumens per klm.
	To 50% of Imax	890.4 lumens per klm.
	To 90% of Imax	220.0 lumens per klm.

Upward LOR	0.0 %
Downward LOR	100.0 %

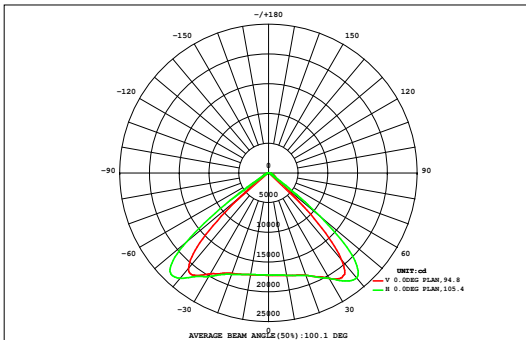
Luminaire Efficiency (Light Output Ratio)	100.0 %
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C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature: 20DEG
Operators: LITPA
Test Date: 15/12/2021

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 325W 6500K

LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:230.26V I:1.4465A P:324.44W PF:0.9741 Freq:50.01Hz Lamp Flux:48104x1 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:148.27lm/W	
MODEL	KYH-XL	Imax (cd)	24072
NOMINAL POWER (W)	325	AVAILABILITY (%)	96.0
RATED VOLTAGE (V)	230.0	Avai. FLUX (lm)	46201
NOMINAL FLUX (lm)	48104	LOR (%)	100.0
LAMPS INSIDE	1	TOTAL FLUX (lm)	48104
TEST VOLTAGE (V)	230	θ @50% (H, V)	95,105DEG

VERTICAL (DEG)	AREA FLUX DIAGRAM																UNIT:lm		Φ t	Φ a
	0.01	0.05	0.13	0.31	0.57	0.91	1.31	1.69	1.97	2.01	1.84	1.61	1.26	0.86	0.51	0.25	0.10	0.02	15.4	0.00
90	0.01	0.05	0.13	0.31	0.57	0.91	1.31	1.69	1.97	2.01	1.84	1.61	1.26	0.86	0.51	0.25	0.10	0.02	15.4	0.00
80	0.02	0.17	0.75	1.93	3.64	5.83	8.19	10.0	11.1	11.3	10.4	8.85	6.84	4.70	2.85	1.24	0.33	0.04	88.2	0.00
70	0.03	0.46	2.11	5.12	9.16	13.8	19.0	23.9	27.1	27.3	24.3	19.1	14.5	10.6	6.46	2.89	0.75	0.07	207	0.00
60	0.05	0.89	3.79	8.68	15.5	27.4	73.1	165	242	239	174	62.9	25.2	17.2	10.5	4.78	1.29	0.11	1071	855
50	0.08	1.38	5.48	12.3	28.6	141	410	610	683	679	611	346	84.0	27.2	14.7	6.69	1.83	0.16	3662	3537
40	0.11	1.86	7.10	16.9	74.9	410	627	662	656	654	649	571	290	56.8	19.6	8.26	2.35	0.22	4707	4612
30	0.14	2.28	8.62	22.4	153	514	601	591	582	579	575	573	468	156	26.8	9.50	2.83	0.26	4865	4787
20	0.17	2.61	9.73	27.4	211	527	558	546	541	538	532	533	521	293	40.6	10.8	3.23	0.30	4897	4827
10	0.18	2.79	10.3	30.4	238	523	535	526	525	523	518	515	519	338	47.8	11.9	3.48	0.33	4869	4802
0	0.18	2.75	9.98	31.8	265	530	538	529	527	526	524	523	524	327	44.8	12.0	3.50	0.33	4919	4853
-10	0.16	2.50	8.95	27.9	211	508	559	546	544	544	545	551	541	301	38.1	11.2	3.26	0.30	4942	4874
-20	0.13	2.14	7.79	20.9	90.3	390	581	593	591	591	594	598	560	235	27.4	9.75	2.88	0.27	4896	4816
-30	0.10	1.70	6.62	16.1	38.1	172	491	652	673	673	671	649	483	124	18.9	7.95	2.38	0.22	4681	4585
-40	0.07	1.22	5.10	12.2	22.3	47.2	194	490	617	621	591	434	189	36.6	13.4	6.15	1.83	0.16	3283	3153
-50	0.04	0.75	3.40	8.52	14.7	21.1	35.0	93.9	146	148	133	71.5	31.3	16.4	9.39	4.36	1.27	0.11	738	501
-60	0.03	0.36	1.82	4.77	8.45	12.3	16.2	20.3	22.5	22.6	21.6	18.1	14.0	9.52	5.68	2.58	0.73	0.07	182	0.00
-70	0.01	0.12	0.56	1.65	3.12	4.99	6.75	8.20	9.02	9.08	8.67	7.47	5.79	3.91	2.29	1.05	0.31	0.04	73.0	0.00
-80	0.01	0.03	0.09	0.19	0.36	0.60	0.85	1.05	1.16	1.17	1.15	1.04	0.87	0.65	0.41	0.23	0.10	0.03	9.99	0.00
-90	0.01	0.03	0.09	0.19	0.36	0.60	0.85	1.05	1.16	1.17	1.15	1.04	0.87	0.65	0.41	0.23	0.10	0.03	9.99	0.00
	-90	-80	-70	-60	-50	-40	-30	-20	HORIZONTAL (DEG)	20	30	40	50	60	70	80	90			
Φ t	1.52	24.1	92.3	250	1388	3850	5256	6070	6400	6387	6187	5484	4279	1958	330	112	32.5	3.04	48104	---
Φ a	0.00	0.00	0.00	28.9	1221	3721	5142	5967	6300	6284	6086	5377	4158	1808	107	0.00	0.00	0.00	---	46201

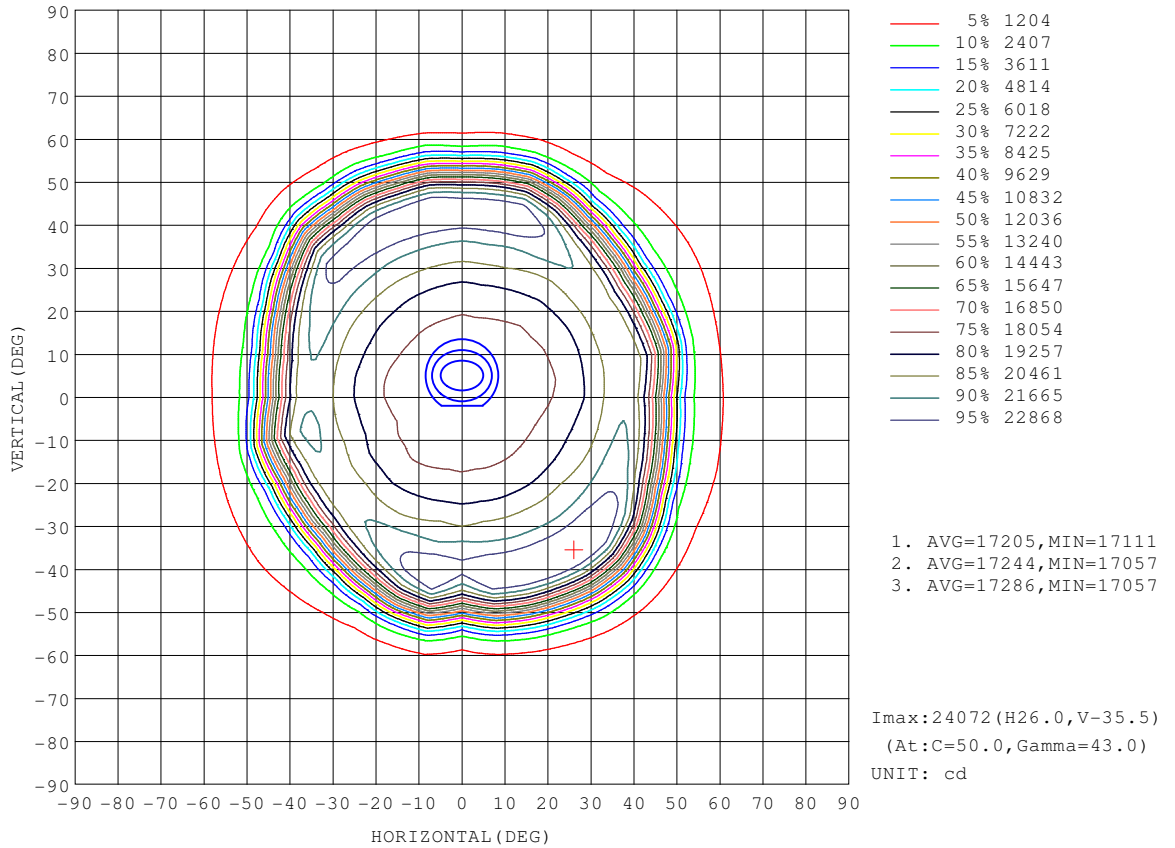
one-half-peak spread: U:11.2,D:11.3 , L:11.2,R:10.6 NEMA Beam Type: Type 6

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 325W 6500K

ISOCANDELA DIAGRAM

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

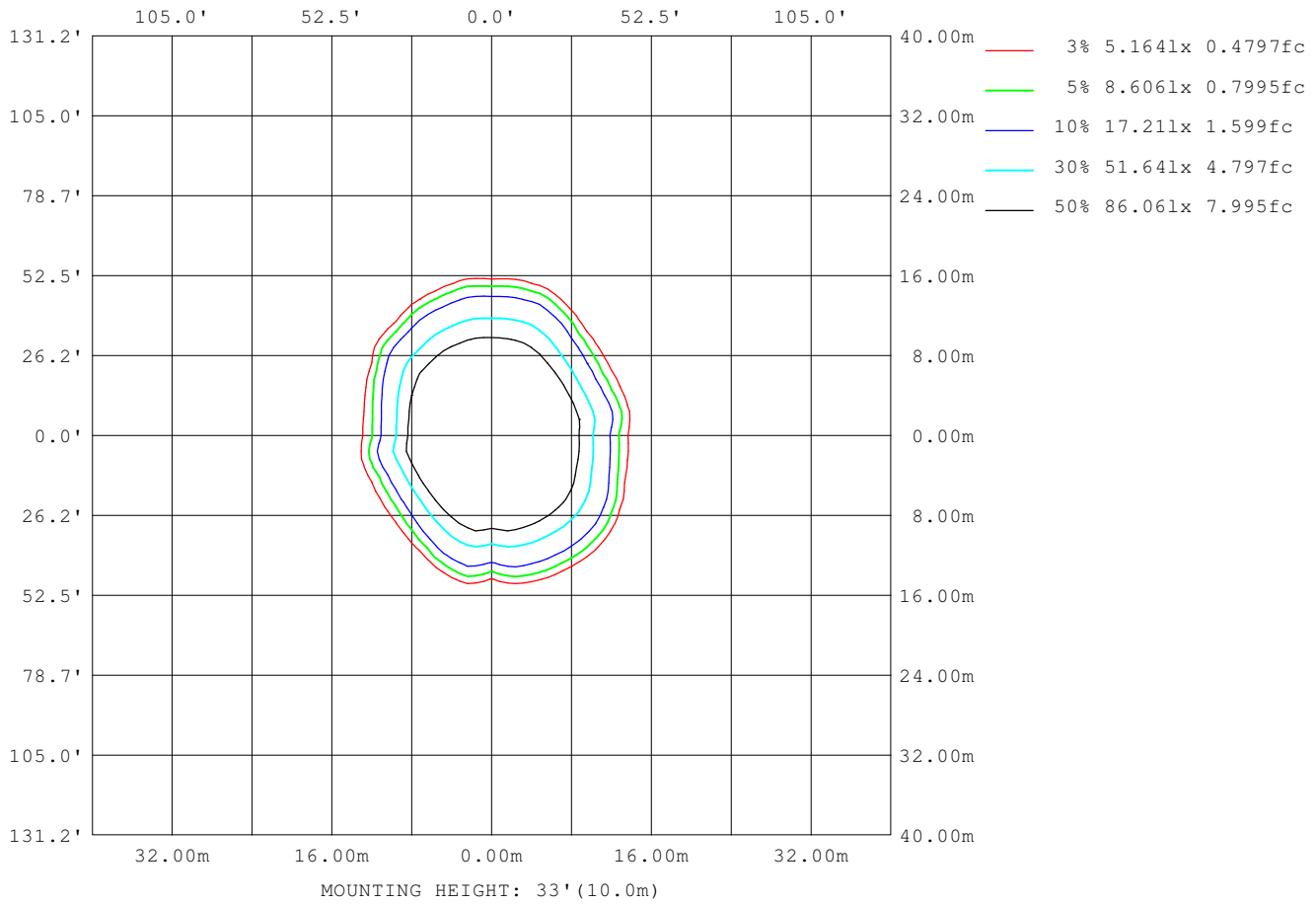


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ISOLUX DIAGRAM

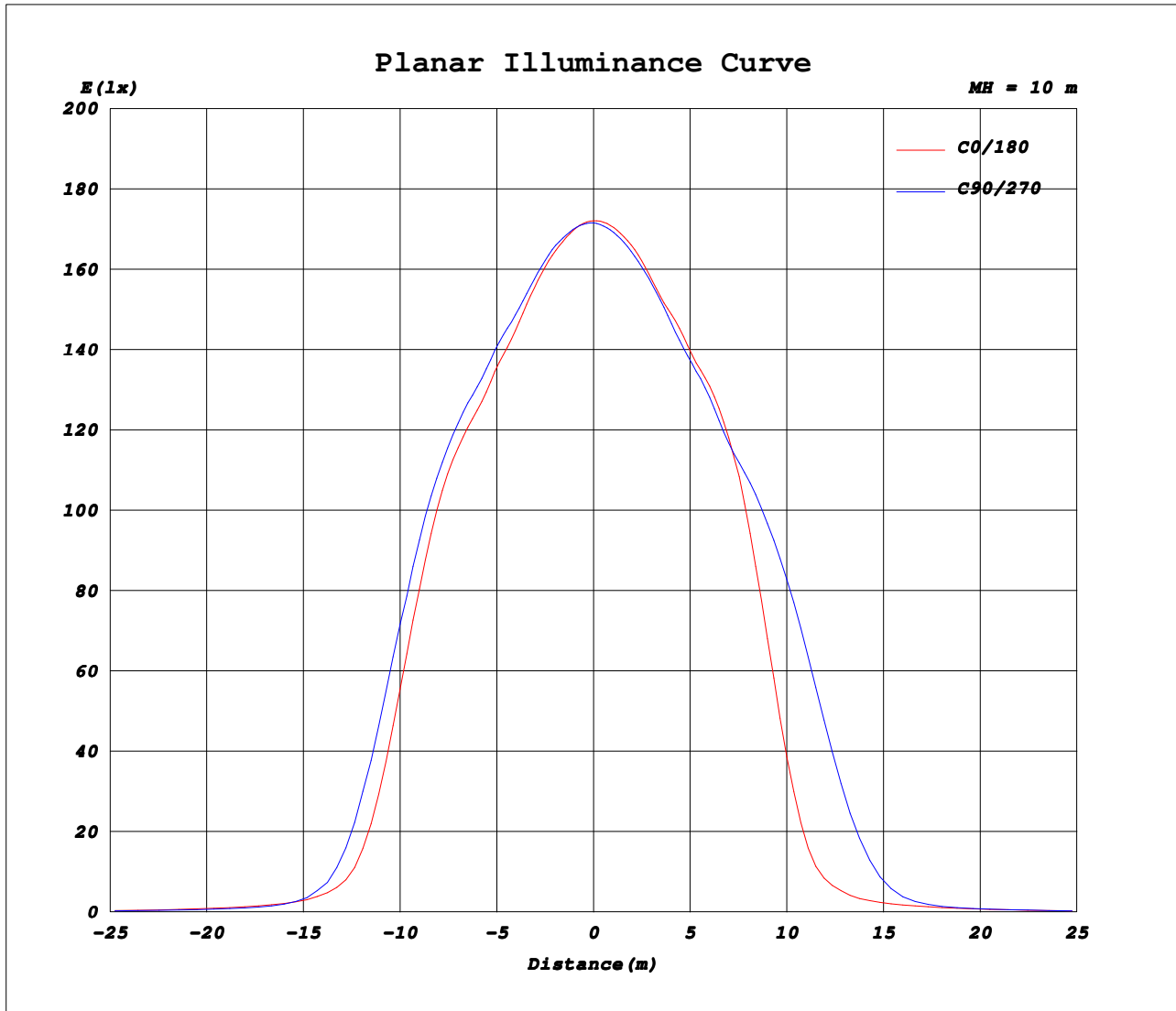
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Planar Illuminance Curve



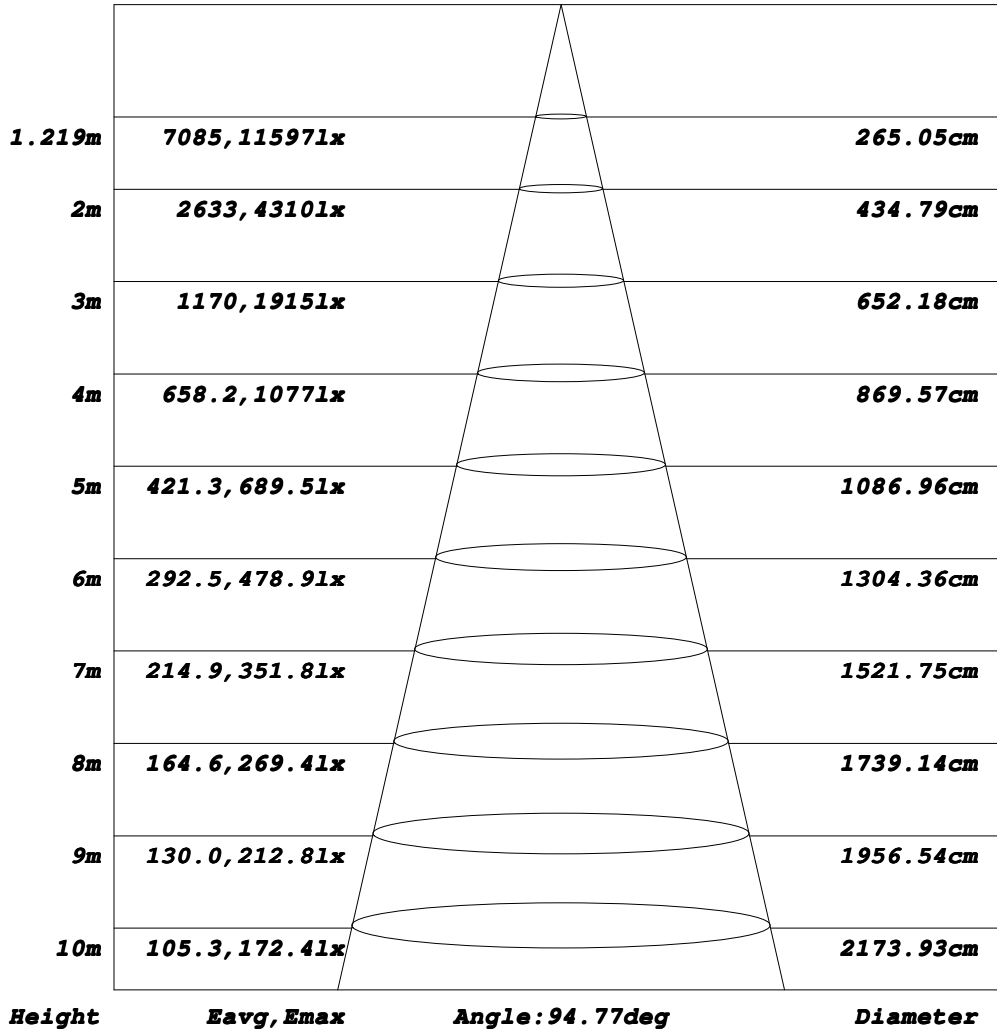
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AAI Figure

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NAME: KYH-XL	TYPE:OUTDOOR	WEIGHT:28 kg
SPEC.:325 WATT	DIM.: 540X660X70	SERIAL No.:
MFR.: LITPA AYDINLATMA	SUR.:	Shielding Angle:

Flux out:40810 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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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	0.29	0.29	0.28	0.27	0.27	0.27	0.27	0.27	0.27	0.28	0.28	0.29	0.30	0.31	0.32	0.32	0.32	0.32	0.32	
-85	0.29	0.28	0.27	0.32	0.38	0.49	0.69	0.89	1.06	1.24	1.43	1.61	1.81	2.06	2.28	2.45	2.60	2.58	2.53	
-80	0.29	0.28	0.41	0.74	1.13	1.56	2.17	2.99	3.96	5.17	6.52	7.75	8.92	9.79	10.5	11.2	11.7	12.0	12.1	
-75	0.29	0.36	0.76	1.37	2.20	3.70	6.03	9.06	11.2	14.0	17.0	19.6	22.1	24.2	25.9	27.7	29.1	29.5	29.5	
-70	0.29	0.48	1.19	2.32	4.37	7.99	13.5	17.5	21.2	25.4	29.9	34.2	37.7	40.8	43.7	46.6	49.0	49.4	49.0	
-65	0.29	0.62	1.67	3.86	7.64	13.5	20.4	27.0	32.7	39.1	44.8	49.3	53.8	58.3	63.0	67.3	71.4	71.7	70.0	
-60	0.29	0.81	2.33	5.91	11.6	19.3	28.3	37.7	46.2	53.5	59.9	64.9	70.5	77.0	86.7	98.3	113	113	103	
-55	0.29	0.99	3.26	8.40	16.2	25.4	36.8	49.2	58.4	68.8	75.5	81.8	92.3	107	146	233	357	374	285	
-50	0.29	1.17	4.31	11.2	20.7	31.8	45.7	58.8	71.8	83.4	94.2	109	137	213	452	871	1239	1321	1134	
-45	0.29	1.35	5.45	14.1	25.1	38.6	53.7	69.4	85.6	101	122	163	271	616	1214	1793	2124	2193	2028	
-40	0.29	1.51	6.88	16.8	29.6	44.8	61.6	79.2	101	126	168	284	662	1336	1889	2218	2352	2362	2306	
-35	0.29	1.70	8.39	19.8	33.7	50.2	69.0	90.2	117	162	262	578	1288	1869	2167	2257	2251	2219	2215	
-30	0.29	1.92	10.1	22.6	37.5	54.9	74.9	102	141	218	465	1148	1773	2103	2182	2145	2091	2071	2047	
-25	0.29	2.11	11.7	25.1	41.4	58.8	80.8	114	168	318	905	1635	2044	2153	2089	2002	1969	1949	1931	
-20	0.29	2.28	12.9	27.3	44.9	62.6	86.4	128	217	554	1349	1942	2139	2097	1987	1915	1867	1845	1834	
-15	0.29	2.41	14.0	29.3	48.2	67.6	93.1	141	293	945	1728	2103	2141	2019	1923	1849	1803	1790	1784	
-10	0.29	2.51	14.8	30.8	51.1	72.0	99.8	151	376	1304	1996	2180	2112	1982	1885	1812	1778	1754	1748	
-5	0.29	2.58	15.5	32.0	53.3	75.5	105	154	376	1241	2002	2178	2067	1949	1856	1802	1767	1735	1724	
0	0.29	2.61	15.9	32.7	54.9	78.1	108	152	320	1095	1914	2148	2048	1924	1828	1782	1750	1729	1721	
5	0.29	2.59	15.6	32.3	54.3	77.7	107	152	320	1088	1907	2156	2059	1932	1836	1785	1752	1729	1718	
10	0.29	2.55	15.1	31.5	53.1	76.2	105	149	295	998	1872	2169	2094	1968	1871	1810	1774	1746	1734	
15	0.29	2.46	14.4	30.3	51.1	73.9	102	142	271	928	1829	2182	2145	2014	1924	1849	1807	1782	1767	
20	0.29	2.34	13.5	28.7	48.4	70.5	95.7	133	237	769	1725	2181	2207	2084	1996	1916	1858	1830	1814	
25	0.29	2.19	12.4	26.7	44.8	65.5	88.2	121	192	594	1541	2155	2266	2179	2078	2010	1951	1909	1886	
30	0.29	2.00	10.8	24.3	40.9	59.8	80.0	108	157	405	1246	2033	2324	2283	2193	2108	2061	2029	2010	
35	0.29	1.78	9.16	21.7	36.9	54.2	71.7	93.6	127	235	862	1775	2194	2334	2324	2257	2192	2148	2125	
40	0.29	1.60	7.65	18.8	32.5	48.2	63.3	80.5	104	161	458	1145	1735	2160	2350	2370	2354	2330	2312	
45	0.29	1.44	6.18	15.8	28.0	41.9	55.5	69.4	86.0	115	200	463	956	1559	1982	2197	2326	2363	2344	
50	0.29	1.26	4.92	12.9	23.6	35.3	47.3	59.3	72.0	88.6	115	166	323	681	1058	1385	1682	1816	1801	
55	0.29	1.08	3.73	10.1	18.9	28.6	39.2	48.9	59.9	70.8	83.2	99.7	129	196	296	442	624	703	685	
60	0.29	0.92	2.70	7.36	14.3	22.2	30.7	39.3	47.7	57.0	64.6	72.9	83.7	96.6	109	127	151	159	154	
65	0.29	0.75	1.95	4.96	9.92	15.8	22.2	29.2	35.6	42.1	48.9	55.5	61.9	67.3	72.2	77.4	82.2	83.7	83.2	
70	0.29	0.59	1.41	3.06	6.18	10.0	14.2	18.9	23.9	28.9	33.4	38.4	43.6	47.8	51.1	53.8	56.0	57.3	58.0	
75	0.29	0.42	1.00	1.78	3.32	5.36	7.79	10.5	13.3	16.2	19.2	22.9	26.7	29.4	31.7	33.8	35.5	36.4	36.9	
80	0.29	0.30	0.63	1.06	1.60	2.32	3.19	4.53	5.93	7.19	8.52	10.1	11.8	13.2	14.6	15.9	17.0	17.6	18.0	
85	0.29	0.30	0.32	0.49	0.73	0.94	1.13	1.38	1.71	2.02	2.31	2.80	3.33	3.74	4.12	4.53	4.89	5.18	5.42	
90	0.29	0.29	0.30	0.30	0.31	0.32	0.33	0.33	0.34	0.34	0.34	0.34	0.37	0.39	0.42	0.45	0.47	0.49	0.54	0.60

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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	0.32	0.33	0.33	0.32	0.33	0.33	0.34	0.36	0.38	0.40	0.42	0.43	0.46	0.48	0.54	0.59	0.67	0.76
-85	2.63	2.68	2.79	2.86	2.81	2.71	2.68	2.63	2.40	2.15	1.93	1.74	1.52	1.34	1.22	1.07	0.89	0.76
-80	12.1	12.0	12.0	11.8	11.2	10.6	9.84	9.10	8.00	6.92	5.91	4.80	3.79	2.87	2.09	1.53	1.11	0.76
-75	29.7	29.5	29.2	28.3	26.9	25.0	23.0	20.5	17.4	14.8	12.7	10.3	7.79	5.49	3.59	2.20	1.34	0.76
-70	49.6	49.6	48.9	47.4	44.9	41.9	38.5	34.5	30.3	26.0	21.9	17.5	13.2	9.24	5.75	3.14	1.58	0.76
-65	72.0	72.5	70.7	68.1	64.4	60.2	55.9	50.2	43.8	37.8	32.4	26.2	19.5	13.7	8.56	4.35	1.86	0.76
-60	113	116	110	103	92.8	83.9	75.0	66.9	58.8	50.5	43.0	34.8	26.3	18.6	11.7	5.78	2.23	0.76
-55	375	396	344	264	186	137	108	88.0	73.8	63.5	53.4	43.6	33.0	23.7	15.0	7.57	2.59	0.76
-50	1324	1357	1221	977	689	418	232	131	95.7	76.8	64.0	51.8	40.3	28.8	18.4	9.57	3.03	0.76
-45	2189	2229	2138	1954	1641	1210	684	288	135	94.4	74.6	60.1	47.3	33.9	21.8	11.7	3.49	0.76
-40	2360	2387	2400	2391	2294	2021	1451	713	229	119	87.3	68.4	53.9	39.0	25.1	13.6	3.92	0.76
-35	2219	2245	2297	2354	2399	2367	2069	1291	452	157	102	77.5	60.7	44.1	28.3	15.3	4.35	0.76
-30	2070	2087	2125	2191	2300	2381	2287	1764	778	215	118	88.1	67.7	49.0	31.2	17.0	4.80	0.76
-25	1947	1975	2025	2078	2154	2281	2321	1987	1055	276	138	99.0	74.1	53.2	34.1	18.5	5.19	0.76
-20	1844	1866	1912	1992	2069	2172	2260	2057	1259	382	159	109	79.6	56.8	36.6	19.8	5.51	0.76
-15	1791	1809	1844	1907	2000	2092	2208	2097	1440	483	179	117	84.0	59.8	38.8	20.9	5.77	0.76
-10	1752	1772	1807	1855	1941	2030	2165	2124	1541	558	195	122	87.4	62.1	40.6	21.8	5.96	0.76
-5	1729	1748	1783	1822	1895	1987	2127	2113	1594	611	205	125	89.8	63.6	41.8	22.4	6.09	0.76
0	1723	1737	1765	1797	1864	1957	2104	2098	1571	598	206	126	91.0	64.5	42.6	22.7	6.14	0.76
5	1722	1738	1761	1791	1860	1962	2105	2118	1653	687	211	125	88.5	63.2	41.8	22.3	6.08	0.76
10	1736	1754	1780	1809	1886	1984	2124	2113	1683	698	205	122	85.0	61.2	40.5	21.7	5.96	0.76
15	1772	1782	1804	1850	1923	2038	2139	1996	1409	538	189	116	80.5	58.6	38.6	20.8	5.76	0.76
20	1823	1832	1854	1914	1989	2098	2099	1784	1027	340	161	107	75.4	55.4	36.4	19.6	5.50	0.76
25	1902	1921	1955	1989	2090	2137	1947	1426	625	239	142	99.0	71.1	51.6	33.7	18.3	5.17	0.76
30	2025	2044	2064	2122	2167	2066	1674	917	336	179	125	91.4	67.5	47.4	30.7	16.8	4.78	0.76
35	2145	2166	2215	2239	2136	1820	1162	481	218	144	109	84.1	62.7	43.9	27.7	15.1	4.33	0.76
40	2323	2341	2340	2244	1908	1275	597	256	155	119	95.4	76.4	57.2	39.9	24.6	13.4	3.90	0.76
45	2340	2318	2237	1881	1293	586	263	155	120	100	83.2	67.4	51.1	34.9	21.5	11.5	3.47	0.76
50	1787	1689	1498	1014	512	235	136	111	96.6	84.3	71.5	57.9	44.1	29.7	18.2	9.33	3.01	0.76
55	690	624	487	299	162	114	93.6	86.4	79.9	70.4	59.9	48.8	36.0	25.0	14.9	7.36	2.58	0.76
60	159	152	130	109	93.1	81.8	73.5	69.4	64.9	56.7	48.9	38.7	28.7	19.8	11.8	5.69	2.22	0.76
65	84.0	82.9	78.8	73.7	68.1	63.2	58.1	53.8	49.5	43.6	36.4	29.3	21.9	14.7	8.65	4.28	1.84	0.76
70	57.9	57.1	55.0	52.3	49.5	46.3	42.6	38.8	34.4	29.9	26.0	20.7	15.3	10.1	5.88	3.10	1.56	0.76
75	36.9	36.4	34.9	33.3	32.0	30.3	27.1	24.1	21.6	18.7	16.1	13.3	9.03	5.94	3.67	2.16	1.32	0.76
80	18.0	17.7	16.9	16.0	15.6	14.9	13.5	12.0	10.5	9.03	7.34	5.54	4.22	3.08	2.15	1.49	1.08	0.76
85	5.28	5.09	5.03	4.91	4.68	4.37	3.96	3.56	3.19	2.77	2.33	1.99	1.71	1.49	1.25	1.01	0.87	0.76
90	0.58	0.56	0.58	0.59	0.57	0.56	0.54	0.53	0.53	0.53	0.52	0.52	0.53	0.54	0.55	0.56	0.66	0.76

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 325W 6500K