

Floodlight Summary:

Report based on lamp delivering 1000 lumens.

Maximum Intensity	943.9 cd per klm.
(Luminaire orientation as tested.)	0.0 degrees vertical
	0.0 degrees horizontal

Beam Spread	At 10% of Imax	113.6V x 113.8H
	At 50% of Imax	49.8V x 49.9H
	At 90% of Imax	16.7V x 18.0H

Beam Flux	Total	1000.1 lumens per klm.
	To 10% of Imax	939.2 lumens per klm.
	To 50% of Imax	390.9 lumens per klm.
	To 90% of Imax	63.0 lumens per klm.

Upward LOR	0.0 %
Downward LOR	100.0 %

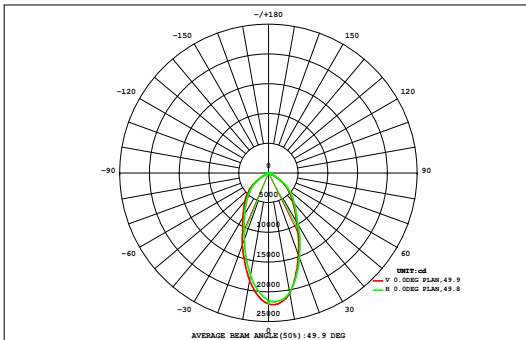
Luminaire Efficiency (Light Output Ratio)	100.0 %
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C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature: 20DEG
Operators: LITPA
Test Date: 10/05/2021

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-200WATT-60°

LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:230.49V I:0.8755A P:198.02W PF:0.9812 Freq:50.00Hz Lamp Flux:23477.1x1 lm		
NAME: KYH-Maxi	TYPE:OUTDOOR	WEIGHT:6.6kg
SPEC.:200 WATT	DIM.: 322X530X50	SERIAL No.:
MFR.: LITPA AYDINLATMA	SUR.:	Shielding Angle:



DATA OF LAMP		Eff:118.56lm/W	
MODEL	KYH-Maxi	Imax(cd)	22159
NOMINAL POWER(W)	200	AVAILABILITY(%)	93.8
RATED VOLTAGE(V)	230.0	Avai. FLUX(lm)	22030
NOMINAL FLUX(lm)	23477.1	LOR(%)	100.0
LAMPS INSIDE	1	TOTAL FLUX(lm)	23477
TEST VOLTAGE(V)	230	θ @50% (H,V)	50,50DEG

VERTICAL (DEG)	AREA FLUX DIAGRAM																UNIT:lm		Φ t	Φ a
	0.00	0.02	0.05	0.12	0.23	0.37	0.51	0.60	0.59	0.57	0.53	0.43	0.31	0.20	0.12	0.06	0.02	0.00	4.76	0.00
90	0.01	0.08	0.41	1.13	2.17	3.51	4.76	5.38	5.45	5.40	5.16	4.41	3.12	1.91	1.03	0.40	0.09	0.01	44.4	0.00
80	0.01	0.26	1.36	3.37	6.09	9.22	12.3	14.7	15.9	15.6	14.2	11.8	8.85	5.81	3.18	1.31	0.28	0.02	124	0.00
70	0.03	0.57	2.62	6.13	11.6	23.5	42.9	60.0	68.0	65.4	52.8	35.5	19.4	10.8	5.94	2.53	0.57	0.03	408	167
60	0.04	0.93	3.90	9.54	29.2	67.8	102	128	139	136	121	93.0	56.8	23.0	9.00	3.79	0.91	0.05	924	816
50	0.06	1.26	5.10	17.8	60.4	108	149	189	207	202	178	140	100	50.7	14.7	4.98	1.23	0.07	1429	1360
40	0.08	1.55	6.30	31.3	84.8	138	201	267	300	289	244	182	129	76.9	25.5	6.09	1.50	0.09	1984	1933
30	0.10	1.75	7.68	43.4	102	169	265	379	451	423	334	231	155	94.9	36.8	7.23	1.70	0.11	2702	2659
20	0.11	1.86	8.81	50.8	112	190	315	486	606	559	420	274	175	106	44.6	8.20	1.81	0.12	3359	3318
10	0.11	1.87	8.93	51.6	113	191	319	499	633	608	453	289	182	109	46.1	8.38	1.82	0.12	3516	3475
0	0.10	1.78	7.94	45.9	105	176	284	424	530	506	388	260	169	103	40.9	7.67	1.75	0.11	3052	3010
-10	0.08	1.59	6.54	35.0	92.1	151	227	314	371	359	293	211	146	87.0	29.8	6.52	1.58	0.10	2334	2286
-20	0.07	1.32	5.33	20.7	69.2	119	167	217	245	241	208	160	114	61.3	17.6	5.33	1.32	0.08	1653	1592
-30	0.05	0.99	4.17	11.0	37.2	82.9	121	153	169	168	149	115	73.7	30.5	10.4	4.13	1.00	0.05	1130	1040
-40	0.03	0.62	2.90	7.08	14.1	32.6	60.0	84.2	97.1	95.0	77.6	51.6	27.0	12.9	6.84	2.83	0.64	0.03	573	373
-50	0.02	0.30	1.58	4.10	7.46	11.5	16.2	21.5	25.1	24.4	19.9	15.0	10.8	6.98	3.84	1.53	0.32	0.02	171	0.00
-60	0.01	0.10	0.51	1.47	2.88	4.66	6.51	7.70	8.05	7.90	7.31	6.03	4.23	2.54	1.32	0.48	0.10	0.01	61.8	0.00
-70	0.00	0.02	0.07	0.18	0.36	0.61	0.90	1.12	1.19	1.13	0.97	0.74	0.48	0.28	0.14	0.06	0.02	0.00	8.29	0.00
-80	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
-90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
HORIZONTAL (DEG)																				
Φ t	0.90	16.9	74.2	341	850	1479	2293	3251	3873	3707	2966	2080	1374	784	298	71.5	16.7	1.02	23477	---
Φ a	0.00	0.00	0.00	194	747	1383	2201	3163	3783	3618	2872	1982	1273	672	141	0.00	0.00	0.00	---	22030

one-half-peak spread: U:25.2,D:22.1 , L:24.7,R:25.6

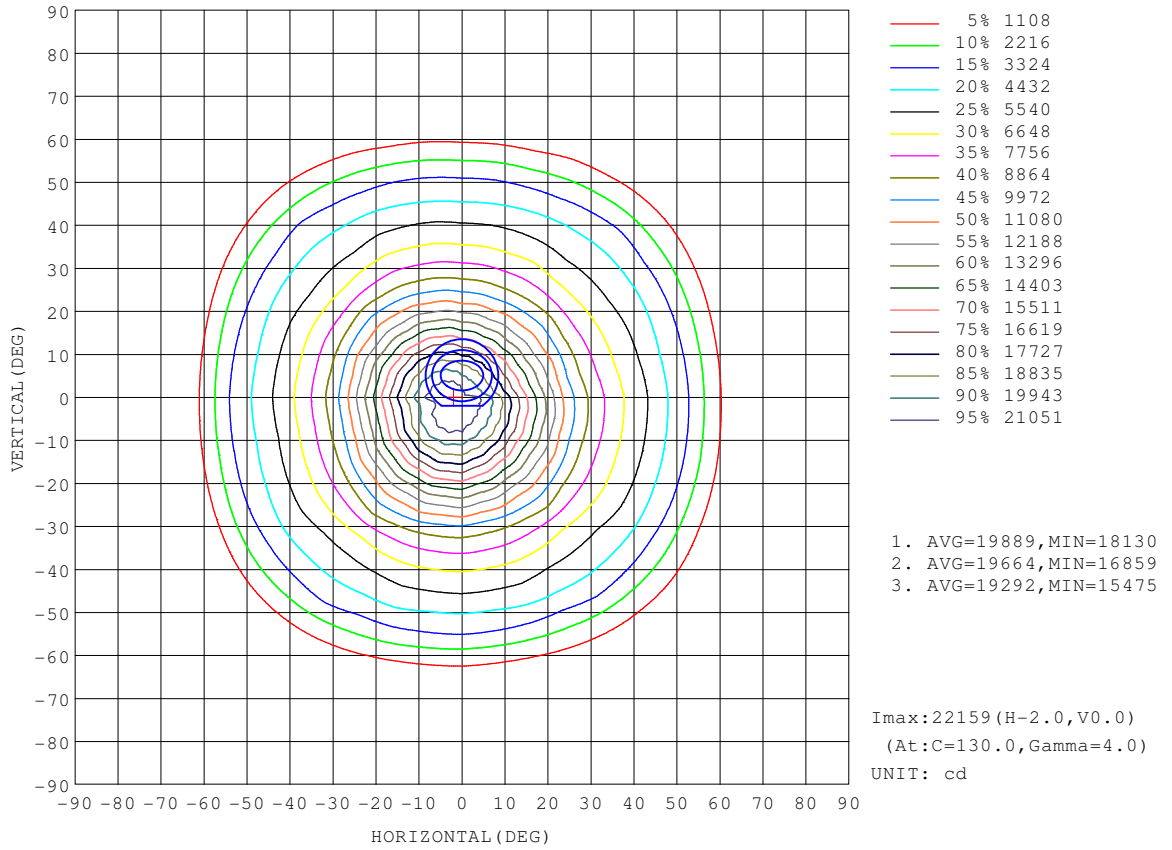
NEMA Beam Type: Type 6

C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature:20DEG
Operators:LITPA
Test Date:10/05/2021

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-200WATT-60°

ISOCANDELA DIAGRAM

Test:U:230.49V I:0.8755A P:198.02W PF:0.9812 Freq:50.00Hz Lamp Flux:23477.1x1 lm		
NAME: KYH-Maxi	TYPE:OUTDOOR	WEIGHT:6.6kg
SPEC.:200 WATT	DIM.: 322X530X50	SERIAL No.:
MFR.: LITPA AYDINLATMA	SUR.:	Shielding Angle:

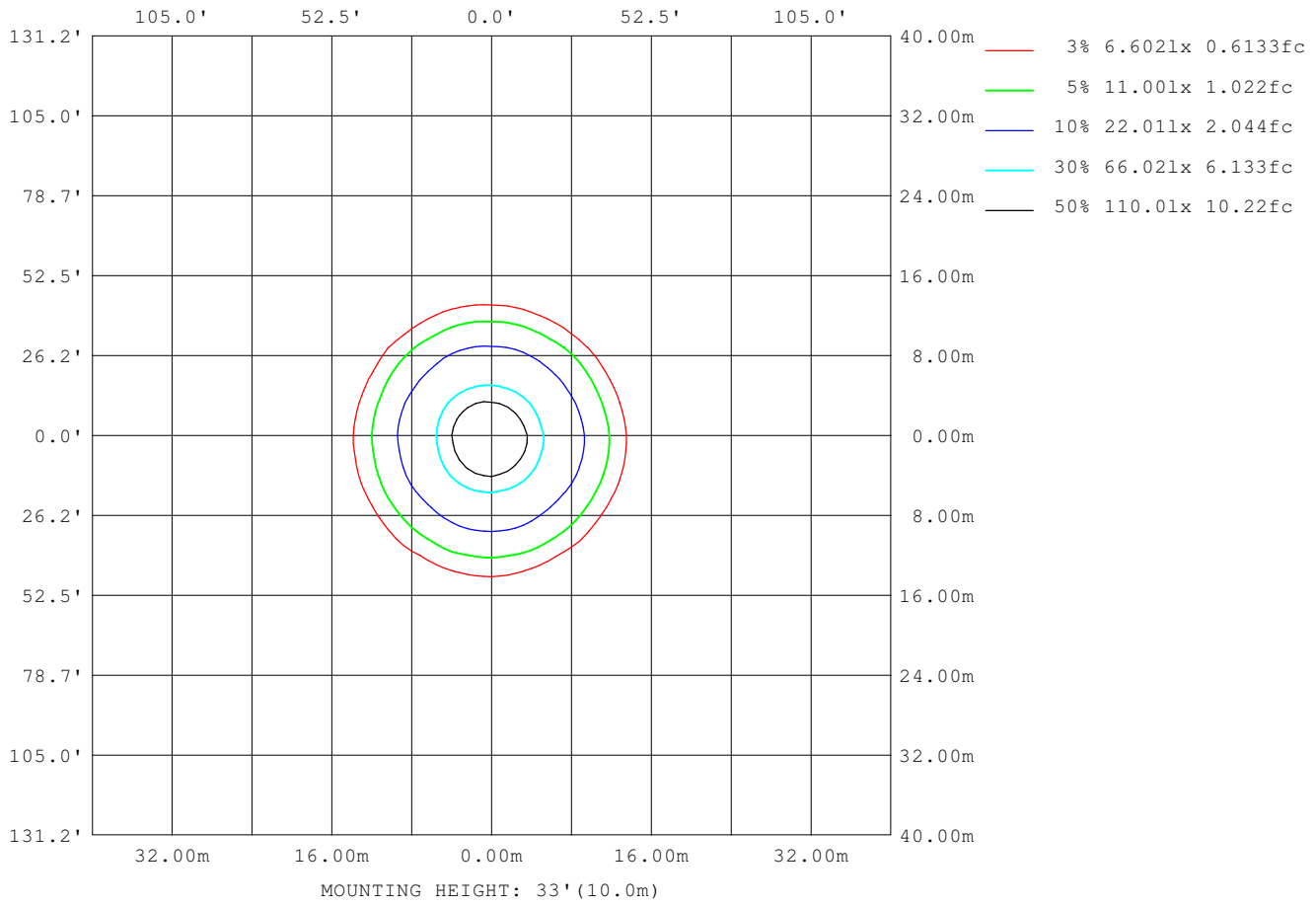


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Test Distance:7.200m [K=1.0000]
Remarks: KYH-200WATT-60°

ISOLUX DIAGRAM

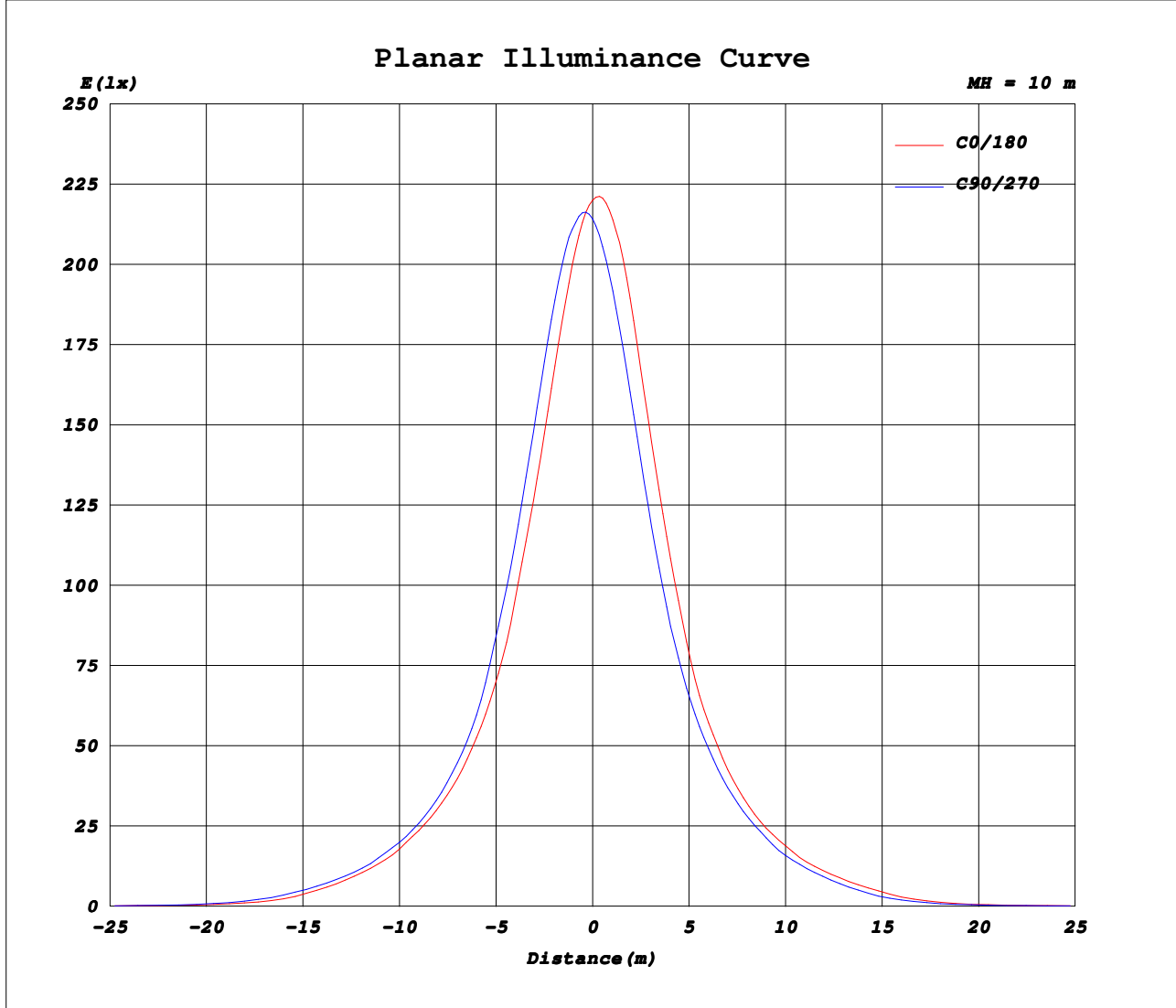
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SPEC.:200 WATT	DIM.: 322X530X50	SERIAL No.:
MFR.: LITPA AYDINLATMA	SUR.:	Shielding Angle:



C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature: 20DEG
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Test Date: 10/05/2021

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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Planar Illuminance Curve

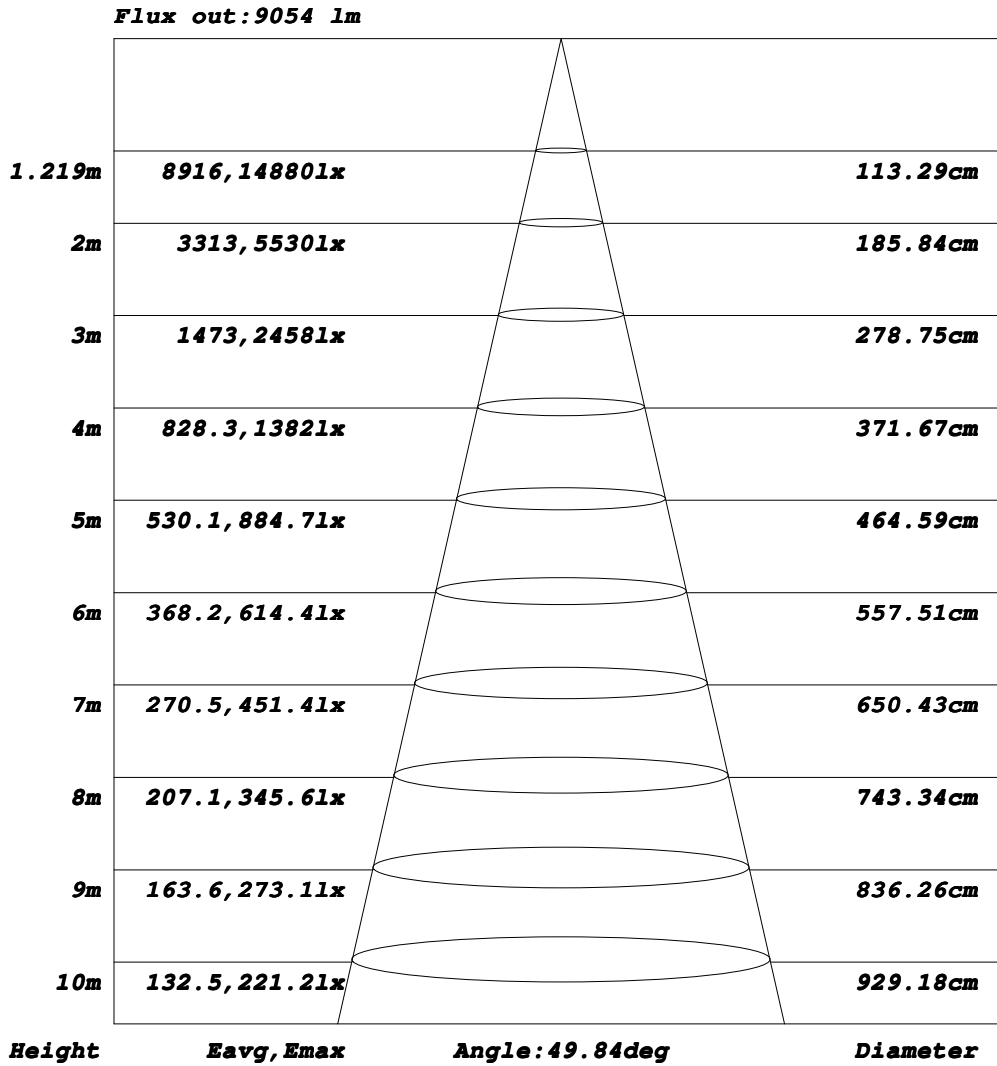


C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature: 20DEG
Operators: LITPA
Test Date: 10/05/2021

γ Range: 0 - 90DEG
γ Interval: 1.0DEG
Test System: EVERFINE GO-2000B_V1 SYSTEM V2.0.400
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Test Distance: 7.200m [K=1.0000]
Remarks: KYH-200WATT-60°

AAI Figure

Test:U:230.49V I:0.8755A P:198.02W PF:0.9812 Freq:50.00Hz Lamp Flux:23477.1x1 lm		
NAME: KYH-Maxi	TYPE:OUTDOOR	WEIGHT:6.6kg
SPEC.:200 WATT	DIM.: 322X530X50	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: 10/05/2021

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-200WATT-60°

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:230.49V I:0.8755A P:198.02W PF:0.9812 Freq:50.00Hz Lamp Flux:23477.1x1 lm		
NAME: KYH-Maxi	TYPE:OUTDOOR	WEIGHT:6.6kg
SPEC.:200 WATT	DIM.: 322X530X50	SERIAL No.:
MFR.: LITPA AYDINLATMA	SUR.:	Shielding Angle:

Table--1

UNIT: μA10cd

H (DEG) V (DEG)	-90	-85	-80	-75	-70	-65	-60	-55	-50	-45	-40	-35	-30	-25	-20	-15	-10	-5	0
-90	0.08	0.11	0.14	0.14	0.14	0.15	0.15	0.16	0.17	0.17	0.17	0.17	0.18	0.18	0.17	0.17	0.17	0.16	0.16
-85	0.08	0.14	0.20	0.25	0.31	0.41	0.58	0.71	0.88	1.11	1.35	1.55	1.79	2.07	2.35	2.44	2.47	2.50	2.49
-80	0.08	0.17	0.28	0.51	0.86	1.36	2.06	2.99	4.04	5.23	6.54	7.86	9.19	10.5	11.8	12.2	12.2	12.5	12.6
-75	0.08	0.20	0.49	1.05	1.85	3.50	5.66	8.04	10.4	12.8	15.4	18.2	20.9	23.2	25.1	25.8	25.7	26.2	26.4
-70	0.08	0.23	0.81	1.80	3.98	7.23	11.2	15.0	19.0	23.1	27.4	31.4	35.0	38.2	40.9	42.1	42.6	42.4	41.6
-65	0.08	0.29	1.21	3.09	6.92	11.8	17.5	23.2	28.7	34.3	40.1	45.7	50.5	54.9	59.4	63.3	66.7	69.4	70.6
-60	0.08	0.41	1.66	4.86	10.2	16.8	24.2	31.7	38.8	46.3	54.5	63.8	77.1	99.0	121	143	160	171	175
-55	0.08	0.52	2.26	6.89	13.7	22.0	30.8	40.2	49.6	59.9	79.7	118	169	218	260	294	316	331	337
-50	0.08	0.65	3.02	9.07	17.4	26.9	37.3	48.8	62.0	92.7	155	232	300	339	382	417	435	445	450
-45	0.08	0.79	3.87	11.3	20.8	31.6	43.7	57.7	88.6	167	257	339	400	441	482	525	547	561	567
-40	0.08	0.92	4.85	13.4	23.9	35.9	50.1	72.0	146	255	342	417	471	519	571	620	652	670	679
-35	0.08	1.05	5.78	15.5	26.7	40.0	56.5	102	218	323	410	477	536	596	671	734	780	805	815
-30	0.08	1.18	6.68	17.2	29.2	43.9	65.3	142	281	378	476	540	613	699	803	880	946	978	992
-25	0.08	1.29	7.47	18.8	31.2	47.7	78.6	191	329	426	523	604	700	819	965	1069	1174	1224	1253
-20	0.08	1.38	8.21	20.0	33.0	51.6	95.3	233	364	460	558	656	778	927	1095	1263	1395	1492	1521
-15	0.08	1.45	8.78	21.1	34.6	55.0	113	266	388	488	587	702	843	1029	1236	1448	1644	1782	1805
-10	0.08	1.49	9.18	21.8	35.8	57.4	128	290	406	508	607	736	889	1090	1351	1618	1858	2007	2038
-5	0.08	1.52	9.41	22.2	36.4	58.9	137	303	419	526	628	761	921	1148	1415	1698	1978	2134	2155
0	0.08	1.52	9.47	22.3	36.5	59.5	139	307	424	536	640	777	945	1193	1475	1775	2050	2195	2201
5	0.08	1.51	9.37	22.1	36.3	58.4	134	297	415	524	626	755	913	1132	1397	1673	1906	2044	1991
10	0.08	1.47	9.09	21.6	35.6	56.4	122	279	397	504	602	720	867	1069	1278	1493	1691	1799	1751
15	0.08	1.42	8.65	20.7	34.4	53.7	105	251	373	475	570	675	799	958	1131	1293	1430	1495	1467
20	0.08	1.34	8.04	19.5	32.7	50.3	89.8	213	340	438	527	613	714	842	980	1085	1181	1221	1197
25	0.08	1.24	7.29	18.1	30.6	46.6	72.4	169	298	393	479	547	630	722	821	903	961	989	976
30	0.08	1.13	6.49	16.5	28.3	42.7	61.3	124	244	342	429	492	555	624	702	763	797	818	809
35	0.08	0.99	5.59	14.7	25.6	38.5	53.5	86.9	181	282	370	437	486	535	598	641	668	683	675
40	0.08	0.86	4.66	12.7	22.7	34.1	47.1	63.6	116	206	301	370	420	462	509	540	560	569	563
45	0.08	0.73	3.68	10.6	19.5	29.5	40.3	51.7	71.2	128	200	276	328	372	405	434	449	453	449
50	0.08	0.59	2.82	8.47	16.1	24.9	33.7	43.0	53.4	72.3	114	169	224	270	306	335	352	358	354
55	0.08	0.46	2.06	6.38	12.6	20.0	27.2	34.7	42.6	51.3	62.3	82.6	115	152	178	204	221	226	222
60	0.08	0.36	1.47	4.43	9.22	14.9	20.8	26.8	32.8	39.1	45.0	50.8	58.1	67.1	76.2	87.3	95.8	99.1	97.1
65	0.08	0.24	1.03	2.74	6.09	10.1	14.6	18.9	23.6	28.1	32.4	36.7	40.7	43.7	45.8	47.4	48.9	48.5	46.8
70	0.08	0.19	0.66	1.55	3.42	5.99	8.82	11.9	14.8	17.8	21.3	24.5	27.3	29.3	30.5	30.8	30.4	29.9	29.0
75	0.08	0.17	0.37	0.86	1.57	2.79	4.32	6.09	7.86	9.70	11.6	13.7	15.7	16.9	17.6	18.1	18.0	17.8	17.3
80	0.08	0.14	0.20	0.39	0.69	1.02	1.41	2.14	2.93	3.64	4.39	5.19	6.06	6.69	7.18	7.35	7.33	7.11	6.75
85	0.08	0.11	0.14	0.17	0.22	0.27	0.36	0.46	0.59	0.70	0.78	0.92	1.06	1.10	1.12	1.18	1.23	1.16	1.08
90	0.08	0.08	0.08	0.08	0.08	0.08	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.10	0.10	0.10	0.10	0.10

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Test Distance: 7.200m [K=1.0000]
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SPEC.:200 WATT	DIM.: 322X530X50	SERIAL No.:
MFR.: LITPA AYDINLATMA	SUR.:	Shielding Angle:

Table--2

UNIT: μ A10cd

H (DEG) V (DEG)	5	10	15	20	25	30	35	40	45	50	55	60	65	70	75	80	85	90	
-90	0.14	0.13	0.11	0.09	0.09	0.08	0.08	0.08	0.08	0.08	0.08	0.07	0.08	0.08	0.08	0.08	0.09	0.10	
-85	2.32	2.12	1.99	1.82	1.59	1.34	1.17	1.01	0.85	0.68	0.57	0.48	0.36	0.28	0.22	0.16	0.13	0.10	
-80	11.9	11.2	10.9	10.4	9.14	7.84	6.60	5.47	4.35	3.35	2.56	1.83	1.27	0.85	0.54	0.30	0.16	0.10	
-75	25.8	24.9	24.5	23.5	21.5	19.1	16.3	13.7	11.3	9.04	7.17	5.18	3.36	1.89	1.13	0.57	0.22	0.10	
-70	41.8	41.4	40.5	39.0	36.1	32.9	29.2	25.3	21.1	17.1	13.8	10.4	6.92	4.04	1.97	0.95	0.30	0.10	
-65	67.8	64.0	60.2	56.3	52.1	47.7	43.1	37.7	32.1	26.7	21.8	16.5	11.4	6.90	3.40	1.41	0.39	0.10	
-60	164	147	126	104	82.5	68.5	58.8	51.4	44.0	36.9	30.2	23.1	16.3	10.2	5.19	1.93	0.53	0.10	
-55	323	300	268	227	182	137	96.5	70.7	56.8	47.6	38.8	29.9	21.4	13.7	7.20	2.68	0.66	0.10	
-50	440	424	399	357	308	256	187	122	79.2	59.2	47.5	36.6	26.5	17.2	9.34	3.52	0.82	0.10	
-45	557	540	515	469	424	374	300	212	132	78.6	56.3	43.3	31.3	20.5	11.5	4.40	0.99	0.10	
-40	664	640	604	549	504	455	394	305	210	118	67.8	49.8	35.8	23.6	13.5	5.38	1.15	0.10	
-35	793	759	708	643	577	521	461	383	287	175	86.9	56.0	40.2	26.4	15.4	6.29	1.30	0.10	
-30	950	900	828	747	658	585	524	450	351	238	116	63.7	44.5	29.0	17.2	7.15	1.45	0.10	
-25	1185	1109	1002	895	762	666	588	507	404	294	155	74.1	48.8	30.9	18.6	7.89	1.59	0.10	
-20	1429	1301	1165	1013	853	736	637	549	443	338	196	86.4	52.4	32.8	19.7	8.57	1.70	0.10	
-15	1692	1514	1319	1128	935	790	674	579	472	369	231	99.6	55.1	34.2	20.7	9.08	1.78	0.10	
-10	1900	1700	1465	1228	993	833	705	601	493	389	253	110	57.1	35.1	21.5	9.44	1.84	0.10	
-5	2041	1823	1544	1294	1042	863	724	614	508	399	265	115	58.3	35.4	21.8	9.64	1.88	0.10	
0	2072	1836	1556	1294	1040	864	726	617	508	401	267	116	58.6	35.1	21.9	9.67	1.89	0.10	
5	1867	1659	1433	1204	971	817	695	595	492	388	255	111	57.4	35.1	21.6	9.55	1.87	0.10	
10	1658	1484	1288	1102	913	771	659	567	464	367	234	102	55.4	34.5	21.0	9.28	1.83	0.10	
15	1396	1280	1136	990	826	714	618	536	437	338	204	90.6	52.7	33.3	20.1	8.85	1.76	0.10	
20	1159	1079	978	866	741	648	568	497	400	302	168	77.0	49.4	31.6	18.9	8.27	1.67	0.10	
25	950	894	828	742	652	583	515	449	358	254	130	66.8	45.9	29.5	17.6	7.56	1.56	0.10	
30	795	756	711	640	574	522	464	393	304	197	98.1	58.5	41.9	27.2	16.1	6.78	1.42	0.10	
35	665	639	605	557	505	460	407	331	235	137	74.5	52.0	37.7	24.5	14.4	5.89	1.26	0.10	
40	558	541	514	473	435	390	332	249	158	91.2	59.5	46.2	33.3	21.8	12.4	4.99	1.11	0.10	
45	446	435	412	378	341	290	228	154	97.4	64.1	50.1	39.5	28.6	18.7	10.4	4.05	0.96	0.10	
50	349	334	305	272	231	180	126	88.4	64.0	51.3	41.8	32.8	24.0	15.6	8.41	3.23	0.80	0.10	
55	217	201	174	146	120	90.7	69.7	57.3	49.5	41.4	33.6	26.2	19.2	12.3	6.43	2.46	0.65	0.10	
60	93.9	87.0	76.5	67.7	61.1	54.7	48.8	43.5	37.8	31.8	25.7	19.8	14.4	9.04	4.60	1.79	0.52	0.10	
65	48.1	48.3	46.7	44.7	42.4	39.3	35.3	31.1	26.9	22.2	17.8	13.8	9.81	6.06	3.02	1.29	0.39	0.10	
70	30.0	30.5	30.3	29.5	28.1	25.9	22.9	19.4	16.2	13.5	11.1	8.39	5.81	3.54	1.80	0.88	0.31	0.10	
75	17.4	17.4	17.2	16.5	15.6	14.2	12.0	9.94	8.41	6.94	5.55	4.02	2.79	1.72	1.04	0.55	0.25	0.10	
80	6.91	6.93	6.69	6.33	5.74	5.10	4.34	3.63	3.09	2.56	1.96	1.41	1.09	0.80	0.52	0.33	0.20	0.10	
85	1.10	1.11	1.04	0.96	0.92	0.87	0.76	0.66	0.62	0.55	0.46	0.39	0.34	0.30	0.27	0.24	0.16	0.10	
90	0.11	0.11	0.11	0.12	0.12	0.12	0.12	0.13	0.13	0.13	0.14	0.14	0.15	0.15	0.15	0.15	0.12	0.10	

C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature: 20DEG
Operators: LITPA
Test Date: 10/05/2021

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-200WATT-60°