

Floodlight Summary:

Report based on lamp delivering 1000 lumens.

Maximum Intensity	898.6 cd per klm.
(Luminaire orientation as tested.)	0.0 degrees vertical
	0.0 degrees horizontal

Beam Spread	At 10% of Imax	115.1V x 115.4H
	At 50% of Imax	52.9V x 52.7H
	At 90% of Imax	18.6V x 18.4H

Beam Flux	Total	1000.1 lumens per klm.
	To 10% of Imax	941.9 lumens per klm.
	To 50% of Imax	410.8 lumens per klm.
	To 90% of Imax	69.1 lumens per klm.

Upward LOR	0.0 %
Downward LOR	100.0 %

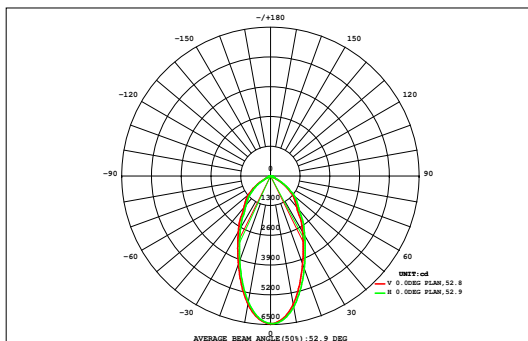
Luminaire Efficiency (Light Output Ratio)	100.0 %
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C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature: 20DEG
Operators: LITPA
Test Date: 12/05/2021

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-50WATT-60°

LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:230.58V I:0.2447A P:52.902W PF:0.9377 Freq:50.01Hz Lamp Flux:7187.82x1 lm		
NAME: KYH-Mini	TYPE:OUTDOOR	WEIGHT:4kg
SPEC.:50 WATT	DIM.: 220X390X50	SERIAL No.:
MFR.: LITPA AYDINLATMA	SUR.:	Shielding Angle:



DATA OF LAMP		Eff:135.87lm/W	
MODEL	KYH-Mini	Imax (cd)	6459
NOMINAL POWER (W)	50	AVAILABILITY (%)	94.2
RATED VOLTAGE (V)	230.0	Avai. FLUX (lm)	6769
NOMINAL FLUX (lm)	7187.82	LOR (%)	100.0
LAMPS INSIDE	1	TOTAL FLUX (lm)	7188
TEST VOLTAGE (V)	230	θ @50% (H,V)	53,53DEG

VERTICAL (DEG)	AREA FLUX DIAGRAM																UNIT:lm		Φ t	Φ a
	0.00	0.01	0.02	0.05	0.08	0.13	0.17	0.21	0.22	0.20	0.18	0.15	0.11	0.08	0.06	0.04	0.03	0.01	1.74	0.00
90	0.00	0.04	0.13	0.34	0.64	1.02	1.41	1.67	1.77	1.70	1.46	1.20	0.92	0.60	0.33	0.15	0.05	0.01	13.4	0.00
80	0.01	0.09	0.39	0.98	1.80	2.74	3.77	4.76	5.39	5.36	4.46	3.19	2.36	1.74	0.98	0.41	0.11	0.01	38.6	0.00
70	0.01	0.18	0.76	1.81	3.44	7.12	13.5	19.1	22.1	21.9	18.6	12.4	6.12	3.19	1.83	0.80	0.20	0.02	133	65.4
60	0.02	0.28	1.16	2.85	8.74	20.1	30.8	38.1	41.9	41.7	37.7	30.1	18.5	8.13	2.88	1.21	0.31	0.02	285	255
50	0.02	0.38	1.53	5.34	17.8	31.4	45.0	56.3	63.4	63.0	55.6	44.6	30.2	17.1	5.59	1.60	0.41	0.03	439	420
40	0.03	0.47	1.90	9.27	25.2	41.3	62.3	82.7	96.8	96.0	81.3	61.4	39.8	24.9	9.80	2.00	0.49	0.03	636	622
30	0.03	0.53	2.28	12.5	29.6	49.9	79.1	113	141	139	111	77.2	48.8	29.9	13.1	2.45	0.55	0.04	851	839
20	0.04	0.56	2.60	14.4	32.1	55.6	91.4	139	179	177	136	89.6	56.1	32.7	15.0	2.81	0.57	0.04	1025	1014
10	0.04	0.57	2.66	14.8	32.7	56.6	93.1	141	182	182	141	93.5	57.6	33.3	15.3	2.86	0.57	0.04	1050	1038
0	0.04	0.55	2.42	13.3	31.1	52.4	83.5	120	149	149	119	83.6	53.2	31.6	13.9	2.56	0.55	0.04	906	895
-10	0.03	0.50	2.04	10.2	27.4	45.3	68.4	91.2	107	107	90.5	68.3	45.8	27.6	10.7	2.09	0.50	0.03	704	691
-20	0.03	0.43	1.67	6.20	20.8	36.2	52.7	66.0	73.9	73.7	65.5	52.4	36.2	20.9	6.51	1.65	0.42	0.03	515	498
-30	0.03	0.33	1.30	3.34	10.8	24.0	36.5	45.2	49.6	49.5	45.1	36.4	23.9	11.0	3.37	1.27	0.32	0.02	342	316
-40	0.02	0.23	0.90	2.14	4.19	9.61	17.6	24.8	28.3	28.1	24.5	17.4	9.57	4.15	2.08	0.87	0.21	0.02	175	117
-50	0.02	0.14	0.52	1.23	2.21	3.40	4.81	6.45	7.41	7.35	6.33	4.70	3.30	2.13	1.18	0.48	0.11	0.01	51.8	0.00
-60	0.01	0.08	0.22	0.49	0.88	1.38	1.90	2.25	2.35	2.32	2.18	1.82	1.31	0.82	0.44	0.18	0.05	0.01	18.7	0.00
-70	0.01	0.05	0.08	0.12	0.17	0.23	0.31	0.37	0.39	0.38	0.34	0.28	0.20	0.13	0.08	0.04	0.01	0.00	3.19	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	0.40	5.40	22.6	99.4	250	439	686	952	1152	1145	941	678	434	250	103	23.5	5.46	0.40	7188	---
Φ a	0.00	0.00	0.00	55.5	219	411	659	926	1126	1119	916	652	407	220	61.4	0.00	0.00	0.00	---	6769

one-half-peak spread: U:28.2,D:25.2 , L:26.6,R:26.7

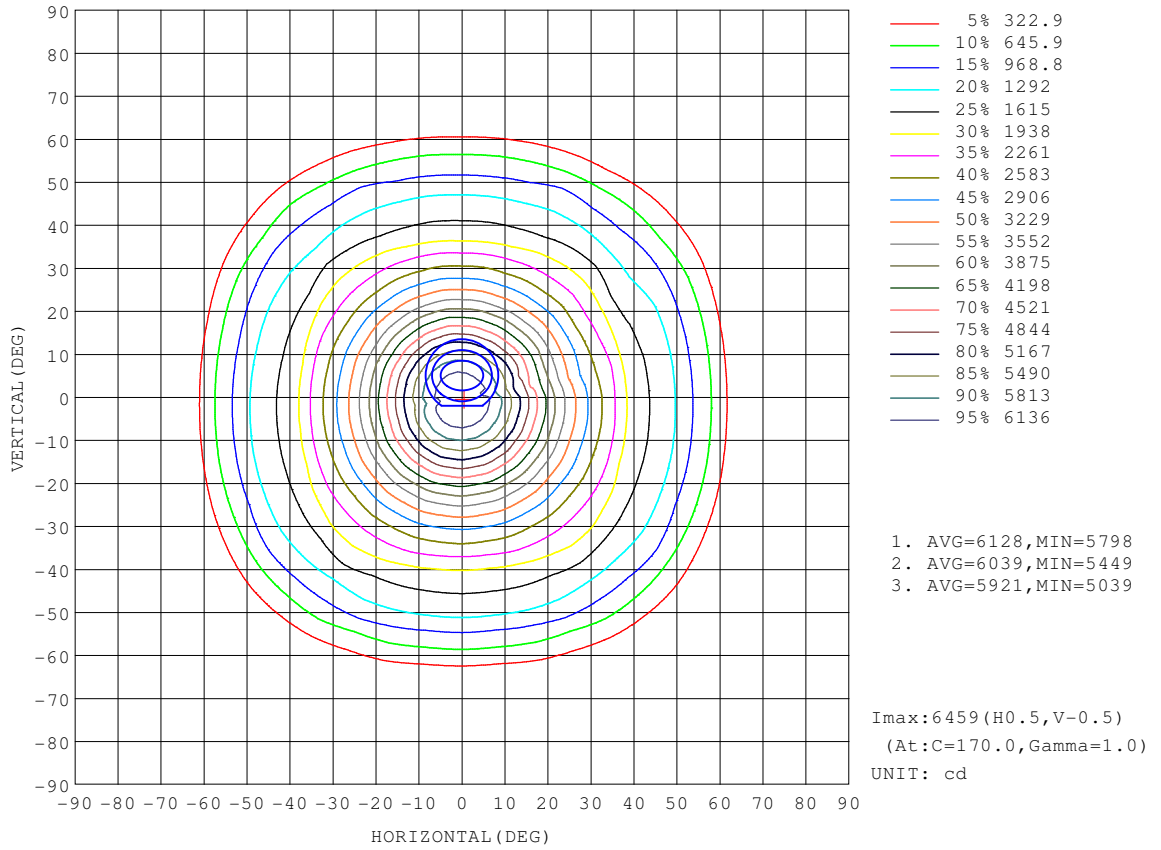
NEMA Beam Type: Type 6

C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature: 20DEG
Operators: LITPA
Test Date: 12/05/2021

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-50WATT-60°

ISOCANDELA DIAGRAM

Test:U:230.58V I:0.2447A P:52.902W PF:0.9377 Freq:50.01Hz Lamp Flux:7187.82x1 lm		
NAME: KYH-Mini	TYPE:OUTDOOR	WEIGHT:4kg
SPEC.:50 WATT	DIM.: 220X390X50	SERIAL No.:
MFR.: LITPA AYDINLATMA	SUR.:	Shielding Angle:

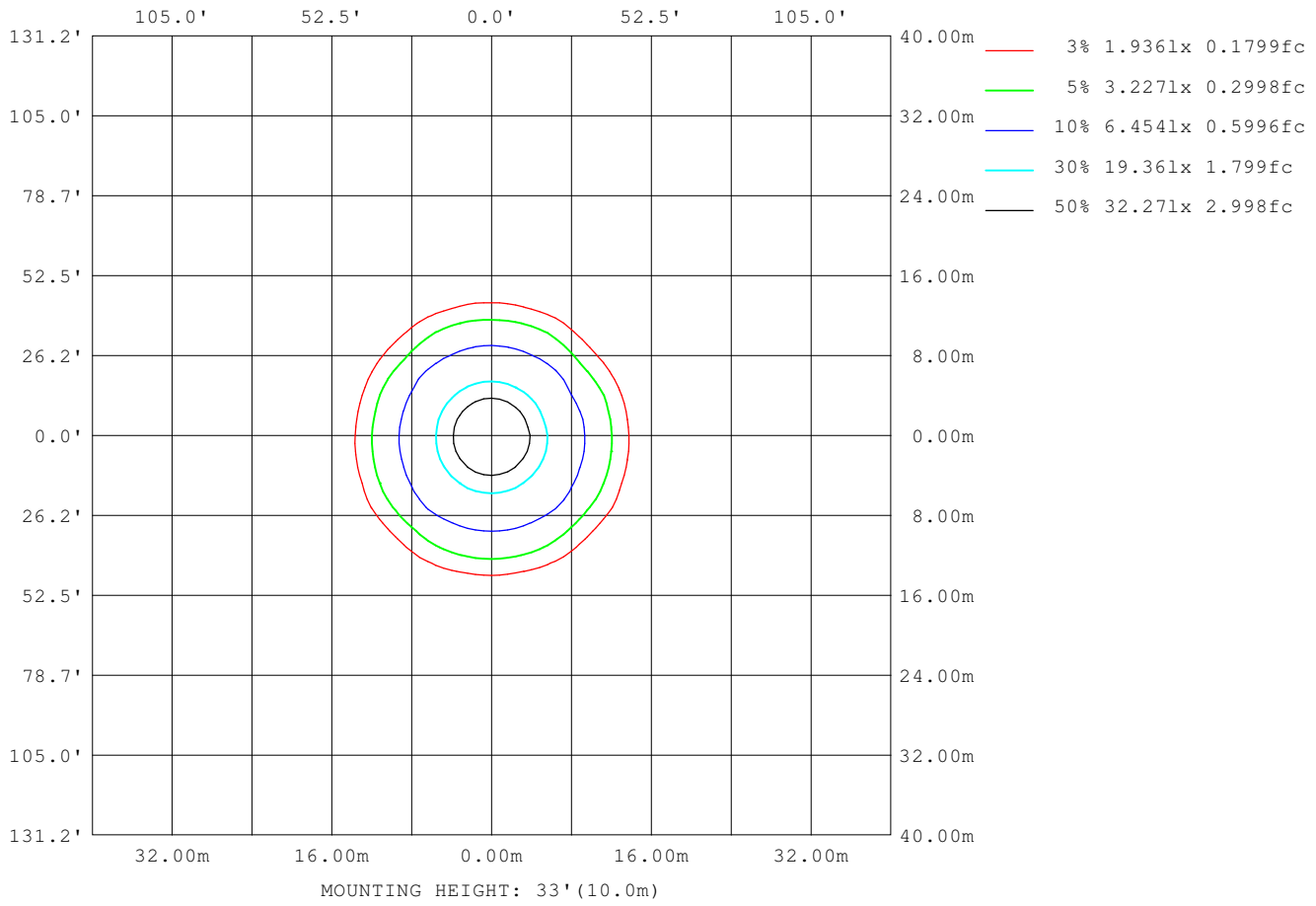


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Test Distance:7.200m [K=1.0000]
Remarks: KYH-50WATT-60°

ISOLUX DIAGRAM

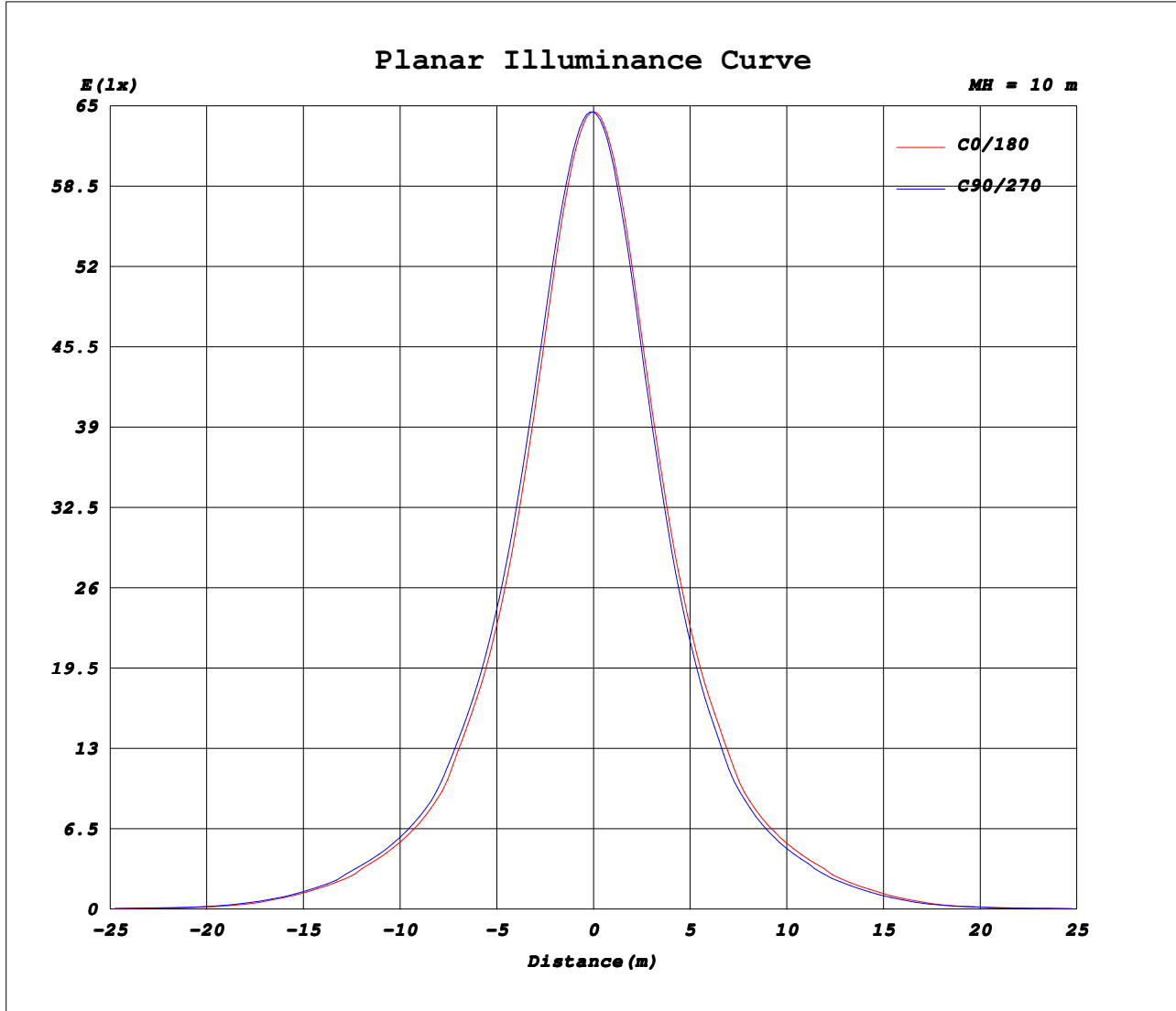
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NAME: KYH-Mini	TYPE:OUTDOOR	WEIGHT:4kg
SPEC.:50 WATT	DIM.: 220X390X50	SERIAL No.:
MFR.: LITPA AYDINLATMA	SUR.:	Shielding Angle:



C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature: 20DEG
Operators: LITPA
Test Date: 12/05/2021

γ Range: 0 - 90DEG
γ Interval: 1.0DEG
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Planar Illuminance Curve

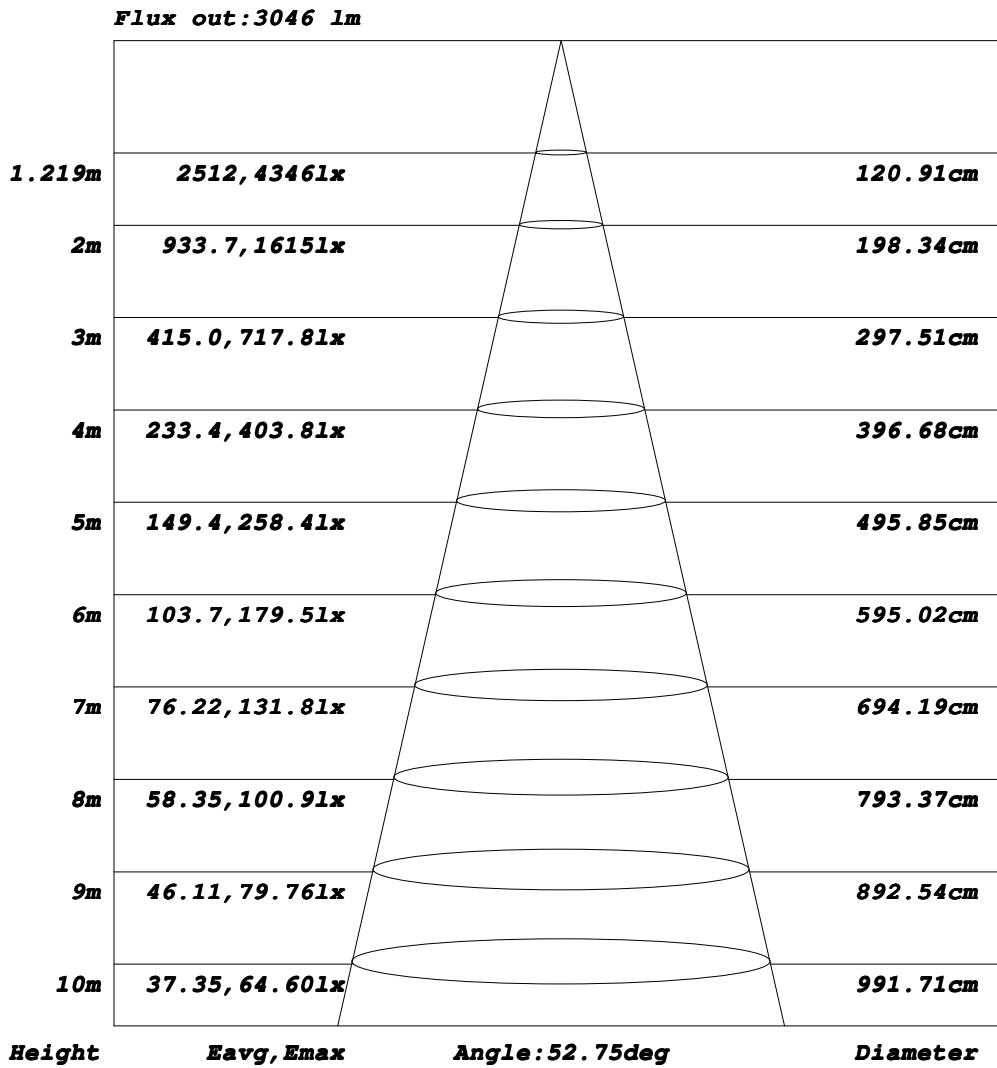


C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature: 20DEG
Operators: LITPA
Test Date: 12/05/2021

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AAI Figure

Test:U:230.58V I:0.2447A P:52.902W PF:0.9377 Freq:50.01Hz Lamp Flux:7187.82x1 lm		
NAME: KYH-Mini	TYPE:OUTDOOR	WEIGHT:4kg
SPEC.:50 WATT	DIM.: 220X390X50	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: 12/05/2021

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LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:230.58V I:0.2447A P:52.902W PF:0.9377 Freq:50.01Hz Lamp Flux:7187.82x1 lm		
NAME: KYH-Mini	TYPE:OUTDOOR	WEIGHT:4kg
SPEC.:50 WATT	DIM.: 220X390X50	SERIAL No.:
MFR.: LITPA AYDINLATMA	SUR.:	Shielding Angle:

Table--1

UNIT: 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	0.21	2.69	5.16	4.87	4.59	3.74	2.89	2.49	2.08	1.70	1.33	1.25	1.18	1.08	0.99	0.96	0.93	0.82	0.71
-85	0.21	2.98	5.84	6.03	6.16	5.93	5.96	6.10	6.25	6.70	7.14	7.56	8.00	8.66	9.24	9.51	9.66	9.75	9.73
-80	0.21	3.24	6.54	7.38	8.63	9.83	11.3	13.2	15.4	18.2	21.3	24.5	27.7	30.9	34.0	35.2	35.7	36.0	35.8
-75	0.21	3.58	7.36	9.66	12.4	16.0	20.9	26.7	32.5	39.2	46.2	53.8	61.0	67.8	73.1	75.6	75.9	76.7	76.7
-70	0.21	3.94	8.58	12.6	17.8	25.7	35.6	46.2	56.8	68.7	81.4	92.3	103	112	121	124	126	125	122
-65	0.21	4.27	10.1	16.4	25.6	38.4	53.9	69.8	85.8	102	119	135	149	163	178	190	198	208	216
-60	0.21	4.57	11.7	20.9	35.0	53.3	73.7	95.2	116	137	161	189	230	289	368	439	482	514	530
-55	0.21	4.83	13.7	26.5	45.3	68.7	94.0	122	148	179	237	349	493	610	749	841	894	931	950
-50	0.21	5.29	15.7	32.7	56.0	83.5	114	147	186	273	446	679	868	1043	1176	1265	1321	1357	1373
-45	0.21	5.82	17.7	39.0	66.1	98.4	135	176	270	476	752	975	1151	1331	1458	1541	1600	1637	1651
-40	0.21	6.29	19.8	44.9	75.8	112	155	223	431	743	1018	1230	1429	1619	1715	1827	1901	1941	1955
-35	0.21	6.68	21.9	50.2	84.4	126	175	300	632	995	1245	1448	1689	1927	2098	2257	2388	2461	2496
-30	0.21	6.99	24.0	55.3	92.6	138	204	437	806	1165	1407	1624	1945	2194	2440	2655	2844	2941	2991
-25	0.21	7.23	25.8	59.0	98.5	149	240	570	936	1291	1525	1774	2158	2473	2803	3096	3366	3524	3594
-20	0.21	7.37	27.4	62.1	103	160	285	683	1055	1377	1617	1949	2382	2757	3171	3597	3961	4222	4314
-15	0.21	7.43	28.5	64.8	107	168	333	769	1136	1444	1697	2078	2564	3025	3537	4092	4610	4987	5100
-10	0.21	7.41	29.1	66.6	109	174	379	824	1202	1491	1757	2207	2706	3222	3851	4545	5205	5673	5822
-5	0.21	7.30	29.3	67.3	109	178	403	853	1239	1514	1790	2280	2796	3369	4050	4825	5594	6135	6310
0	0.21	7.11	29.0	67.0	108	178	404	857	1244	1514	1793	2294	2805	3397	4108	4920	5704	6258	6454
5	0.21	7.05	28.6	66.4	108	175	390	834	1214	1487	1760	2240	2738	3299	3980	4761	5506	6043	6202
10	0.21	6.90	27.9	64.8	107	169	355	787	1149	1439	1699	2135	2619	3126	3707	4363	5009	5476	5599
15	0.21	6.68	26.6	62.1	103	160	303	716	1079	1379	1620	1990	2437	2856	3343	3856	4338	4684	4783
20	0.21	6.39	24.9	58.5	98.7	151	256	626	983	1299	1517	1812	2207	2567	2941	3310	3655	3896	3953
25	0.21	6.02	22.8	54.5	93.1	140	219	511	868	1192	1398	1619	1969	2256	2533	2813	3036	3198	3227
30	0.21	5.57	20.6	49.8	85.5	128	186	383	717	1038	1257	1452	1735	1947	2159	2360	2506	2622	2632
35	0.21	5.07	18.1	43.9	77.0	116	161	257	530	830	1082	1240	1443	1622	1763	1900	2002	2073	2067
40	0.21	4.49	15.6	37.8	68.0	102	140	191	342	607	876	1047	1216	1366	1468	1554	1627	1674	1677
45	0.21	3.87	13.2	31.6	57.6	88.1	120	155	214	377	631	826	974	1136	1242	1305	1359	1389	1392
50	0.21	3.19	10.9	25.4	47.3	72.9	99.6	127	159	218	343	511	685	828	940	994	1047	1069	1077
55	0.21	2.63	8.69	19.5	36.9	57.7	79.9	102	126	152	186	249	358	475	581	663	722	750	752
60	0.21	2.32	6.62	14.4	27.1	43.0	60.2	78.2	96.9	116	133	151	176	214	248	293	334	353	353
65	0.21	1.99	5.02	10.2	18.2	29.4	42.0	54.9	69.2	83.2	96.0	109	121	132	141	148	156	156	152
70	0.21	1.55	3.41	6.70	11.5	17.7	25.7	34.5	43.6	52.6	62.5	71.9	80.7	87.4	93.1	96.4	97.9	97.3	95.3
75	0.21	1.06	2.30	4.18	6.56	9.62	13.2	18.0	23.3	28.4	33.6	39.6	45.4	50.0	53.2	55.9	57.2	57.3	56.5
80	0.21	0.65	1.54	2.29	3.37	4.56	5.73	7.47	9.42	11.2	13.1	15.4	17.7	19.3	20.7	22.3	23.5	22.9	21.8
85	0.21	0.43	0.60	0.98	1.42	1.76	2.00	2.32	2.74	3.09	3.34	3.80	4.26	4.50	4.68	4.97	5.20	4.96	4.66
90	0.21	0.21	0.21	0.22	0.22	0.22	0.22	0.22	0.23	0.23	0.24	0.24	0.24	0.24	0.25	0.25	0.25	0.26	0.27

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SPEC.:50 WATT	DIM.: 220X390X50	SERIAL No.:
MFR.: LITPA AYDINLATMA	SUR.:	Shielding Angle:

Table--2

UNIT: cd

H (DEG) V (DEG)	5	10	15	20	25	30	35	40	45	50	55	60	65	70	75	80	85	90	
-90	0.68	0.65	0.58	0.52	0.51	0.50	0.44	0.38	0.37	0.35	0.30	0.25	0.24	0.23	0.21	0.20	0.20	0.20	
-85	9.47	9.10	8.80	8.41	7.77	7.06	6.49	5.93	5.17	4.38	3.81	3.26	2.54	2.02	1.67	1.27	0.69	0.20	
-80	35.3	34.3	33.3	31.8	28.6	25.2	22.3	19.3	16.0	13.2	10.8	8.43	6.34	4.60	3.16	1.97	1.17	0.20	
-75	75.6	73.8	73.1	70.4	64.9	58.2	51.1	43.7	36.5	29.8	24.1	18.4	12.8	8.50	5.49	3.13	1.54	0.20	
-70	123	123	121	117	108	99.0	88.7	77.9	65.2	53.5	43.4	33.0	22.7	14.4	8.61	4.65	1.84	0.20	
-65	207	195	187	175	159	145	131	115	97.9	81.9	66.6	51.2	35.6	22.4	12.8	6.36	2.23	0.20	
-60	511	476	433	364	284	227	185	156	133	112	91.5	70.8	50.6	32.1	17.8	8.29	2.83	0.20	
-55	927	886	831	740	608	486	351	240	175	144	118	91.1	66.1	42.7	23.7	10.7	3.40	0.20	
-50	1354	1317	1261	1168	1034	857	679	453	279	185	145	112	81.4	53.4	30.1	13.1	4.02	0.20	
-45	1634	1599	1542	1454	1331	1143	967	755	491	280	174	132	96.4	64.0	36.6	15.6	4.64	0.20	
-40	1934	1891	1816	1701	1603	1433	1212	1011	745	451	230	153	110	73.8	42.8	18.3	5.21	0.20	
-35	2452	2376	2242	2082	1921	1692	1449	1235	1006	649	324	176	124	83.0	48.4	20.9	5.76	0.20	
-30	2932	2825	2636	2427	2190	1958	1646	1415	1171	821	474	211	138	91.7	53.8	23.4	6.29	0.20	
-25	3509	3341	3073	2786	2470	2172	1799	1541	1301	947	610	258	150	98.0	58.3	25.6	6.74	0.20	
-20	4199	3931	3571	3149	2754	2395	1986	1641	1394	1069	719	317	162	103	61.9	27.5	7.11	0.20	
-15	4956	4578	4068	3524	3029	2579	2131	1725	1467	1157	801	376	171	108	65.1	29.0	7.38	0.20	
-10	5634	5172	4527	3850	3234	2727	2262	1790	1519	1227	851	427	179	111	67.3	30.1	7.57	0.20	
-5	6113	5587	4833	4070	3390	2823	2330	1824	1541	1261	878	453	183	112	68.5	30.6	7.67	0.20	
0	6249	5698	4925	4116	3405	2828	2338	1826	1540	1267	882	452	183	111	68.7	30.6	7.68	0.20	
5	5968	5425	4616	3850	3190	2733	2277	1791	1514	1239	863	439	181	111	68.4	30.5	7.73	0.20	
10	5397	4932	4310	3634	2976	2562	2143	1716	1467	1174	821	403	176	110	67.2	29.9	7.69	0.20	
15	4623	4270	3800	3294	2785	2361	1933	1613	1397	1100	757	347	168	107	64.9	28.9	7.56	0.20	
20	3855	3599	3253	2899	2519	2118	1745	1493	1311	995	668	287	158	103	61.5	27.4	7.35	0.20	
25	3170	2987	2764	2495	2234	1928	1535	1361	1182	880	553	237	147	97.6	58.0	25.5	7.06	0.20	
30	2602	2470	2323	2131	1926	1716	1407	1197	1010	725	419	195	135	90.2	53.7	23.3	6.69	0.20	
35	2054	1974	1876	1747	1611	1421	1194	1029	788	538	273	167	121	81.2	48.0	20.8	6.25	0.20	
40	1663	1613	1541	1457	1354	1174	993	801	576	346	195	145	106	71.9	42.0	18.4	5.78	0.20	
45	1382	1347	1292	1229	1113	929	752	561	354	207	157	124	92.3	61.4	35.6	15.9	5.28	0.20	
50	1061	1032	974	917	796	627	449	303	195	156	129	103	76.6	50.8	29.1	13.7	4.72	0.20	
55	741	706	642	550	431	311	206	162	141	125	104	82.5	60.5	39.8	22.9	11.5	4.19	0.20	
60	347	325	282	231	179	148	127	118	112	97.2	79.4	61.5	44.9	29.4	17.4	9.43	3.75	0.20	
65	156	154	139	123	111	101	92.2	87.8	81.5	69.1	55.0	42.7	30.7	20.2	12.8	7.86	3.29	0.20	
70	97.3	96.5	85.3	75.7	71.8	68.4	65.1	59.5	50.7	42.4	34.1	25.7	18.8	13.1	9.19	6.35	2.94	0.20	
75	54.2	51.1	48.2	45.3	43.2	40.5	36.1	31.1	26.6	21.9	17.5	13.5	10.6	8.19	6.56	5.14	2.63	0.20	
80	21.2	20.3	19.3	18.0	17.0	15.8	13.7	11.8	10.3	9.05	7.69	6.45	5.71	4.96	4.53	4.27	2.29	0.20	
85	4.71	4.71	4.42	4.09	3.97	3.80	3.51	3.21	3.14	2.96	2.81	2.76	2.85	2.86	3.17	3.53	1.91	0.20	
90	0.28	0.28	0.29	0.30	0.32	0.34	0.39	0.43	0.51	0.59	0.80	1.01	1.28	1.55	2.19	2.84	1.52	0.20	

C Range: 0 - 360DEG

C Interval: 10.0DEG

Test Speed: HIGH

Temperature:20DEG

Operators:LITPA

Test Date:12/05/2021

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-50WATT-60°