

Floodlight Summary:

Report based on lamp delivering 1000 lumens.

Maximum Intensity	474.5 cd per klm.
(Luminaire orientation as tested.)	0.0 degrees vertical
	0.0 degrees horizontal

Beam Spread	At 10% of Imax	121.2V x 114.2H
	At 50% of Imax	109.5V x 97.6H
	At 90% of Imax	101.2V x 87.6H

Beam Flux	Total	1000.0 lumens per klm.
	To 10% of Imax	958.1 lumens per klm.
	To 50% of Imax	884.9 lumens per klm.
	To 90% of Imax	178.8 lumens per klm.

Upward LOR	0.0 %
Downward LOR	100.0 %

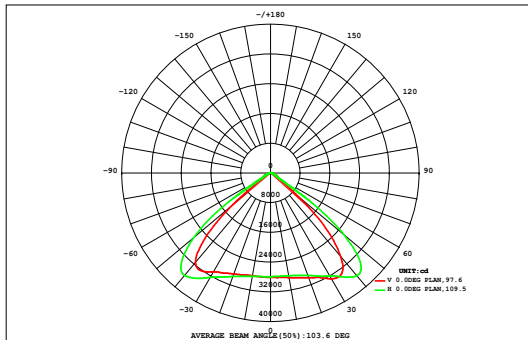
Luminaire Efficiency (Light Output Ratio)	100.0 %
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C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature: 20DEG
Operators: LITPA
Test Date: 04/10/2021

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 625W 4000K

LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:230.47V I:0A P:0W PF:0.0000 Freq:50.01Hz Lamp Flux:79635.4x1 lm		
NAME: KYH-XL	TYPE:OUTDOOR	WEIGHT:27 kg
SPEC.:625 WATT	DIM.: 540X660X70	SERIAL No.:
MFR.: LITPA AYDINLATMA	SUR.:	Shielding Angle:



DATA OF LAMP		PHOTOMETRIC DATA	
MODEL	KYH-XL	Imax (cd)	37784
NOMINAL POWER (W)	625	AVAILABILITY (%)	95.8
RATED VOLTAGE (V)	230.0	Avai. FLUX (lm)	76322
NOMINAL FLUX (lm)	79635.4	LOR (%)	100.0
LAMPS INSIDE	1	TOTAL FLUX (lm)	79635
TEST VOLTAGE (V)	230	θ @50% (H,V)	98,110DEG

VERTICAL (DEG)	AREA FLUX DIAGRAM																UNIT:lm		Φ t	Φ a
	0.02	0.08	0.22	0.54	1.09	1.87	2.74	3.51	3.99	4.14	3.83	3.19	2.33	1.47	0.80	0.35	0.14	0.04	30.3	0.00
90	0.02	0.08	0.22	0.54	1.09	1.87	2.74	3.51	3.99	4.14	3.83	3.19	2.33	1.47	0.80	0.35	0.14	0.04	30.3	0.00
80	0.03	0.29	1.47	3.99	8.02	13.2	18.3	22.3	24.6	25.2	23.1	19.1	14.3	9.33	5.01	2.11	0.54	0.06	191	0.00
70	0.05	0.89	4.41	11.2	20.5	31.1	42.0	52.1	60.1	62.1	67.6	42.9	30.7	21.0	12.1	5.37	1.45	0.12	486	44.6
60	0.09	1.82	8.24	19.4	36.7	61.3	134	278	400	556	470	180	60.9	33.4	19.7	9.10	2.55	0.20	2273	1946
50	0.14	2.84	11.9	27.7	93.0	324	592	845	962	1059	997	681	248	57.9	27.4	12.8	3.69	0.30	5947	5772
40	0.21	3.82	15.1	38.0	232	716	919	1024	1046	1052	1040	935	571	139	36.9	16.2	4.80	0.41	7791	7648
30	0.27	4.67	17.8	51.2	360	829	962	953	944	939	931	916	747	295	51.2	19.3	5.75	0.50	8026	7905
20	0.33	5.28	19.8	64.2	422	828	902	890	881	875	868	857	793	441	74.4	21.5	6.45	0.58	7950	7839
10	0.36	5.59	20.7	72.1	445	816	866	861	856	848	837	823	796	516	92.3	22.7	6.84	0.62	7887	7778
0	0.35	5.54	20.4	69.3	440	803	849	847	848	850	841	830	804	533	95.6	22.7	6.87	0.62	7866	7758
-10	0.32	5.14	19.0	56.2	362	766	865	868	871	870	869	867	833	515	82.6	21.7	6.52	0.58	7877	7764
-20	0.26	4.47	16.8	42.5	218	672	900	930	933	931	929	931	865	444	58.1	19.4	5.85	0.51	7903	7776
-30	0.19	3.59	14.0	32.6	94.2	436	837	1004	1045	1035	1021	955	775	289	39.2	16.4	4.90	0.42	7603	7456
-40	0.12	2.62	10.9	24.9	47.0	145	473	846	1004	972	875	639	359	100	28.3	13.0	3.78	0.31	5546	5354
-50	0.07	1.65	7.52	17.6	30.1	46.5	89.5	273	404	325	239	120	59.9	36.6	20.3	9.26	2.60	0.21	1682	1282
-60	0.04	0.76	4.10	10.0	18.2	26.9	35.0	45.9	53.5	49.9	45.5	38.3	30.0	20.7	12.1	5.36	1.47	0.13	398	0.00
-70	0.02	0.22	1.24	3.49	6.92	11.0	14.4	17.6	19.8	20.1	18.9	16.2	12.7	8.42	4.68	2.09	0.59	0.07	158	0.00
-80	0.01	0.05	0.16	0.37	0.74	1.19	1.63	2.06	2.41	2.58	2.45	2.16	1.76	1.25	0.75	0.38	0.16	0.04	20.2	0.00
-90	0.01	0.05	0.16	0.37	0.74	1.19	1.63	2.06	2.41	2.58	2.45	2.16	1.76	1.25	0.75	0.38	0.16	0.04	20.2	0.00
-90 -80 -70 -60 -50 -40 -30 -20 HORIZONTAL (DEG) 20 30 40 50 60 70 80 90																				
Φ t	2.87	49.3	194	545	2836	6529	8503	9765	10360	10499	10078	8856	7004	3462	661	220	64.9	5.71	79635	---
Φ a	0.00	0.00	0.00	157	2587	6315	8299	9580	10179	10324	9903	8662	6802	3226	287	0.00	0.00	0.00	---	76322

one-half-peak spread: U:13.2,D:15.4 , L:15.0,R:12.7

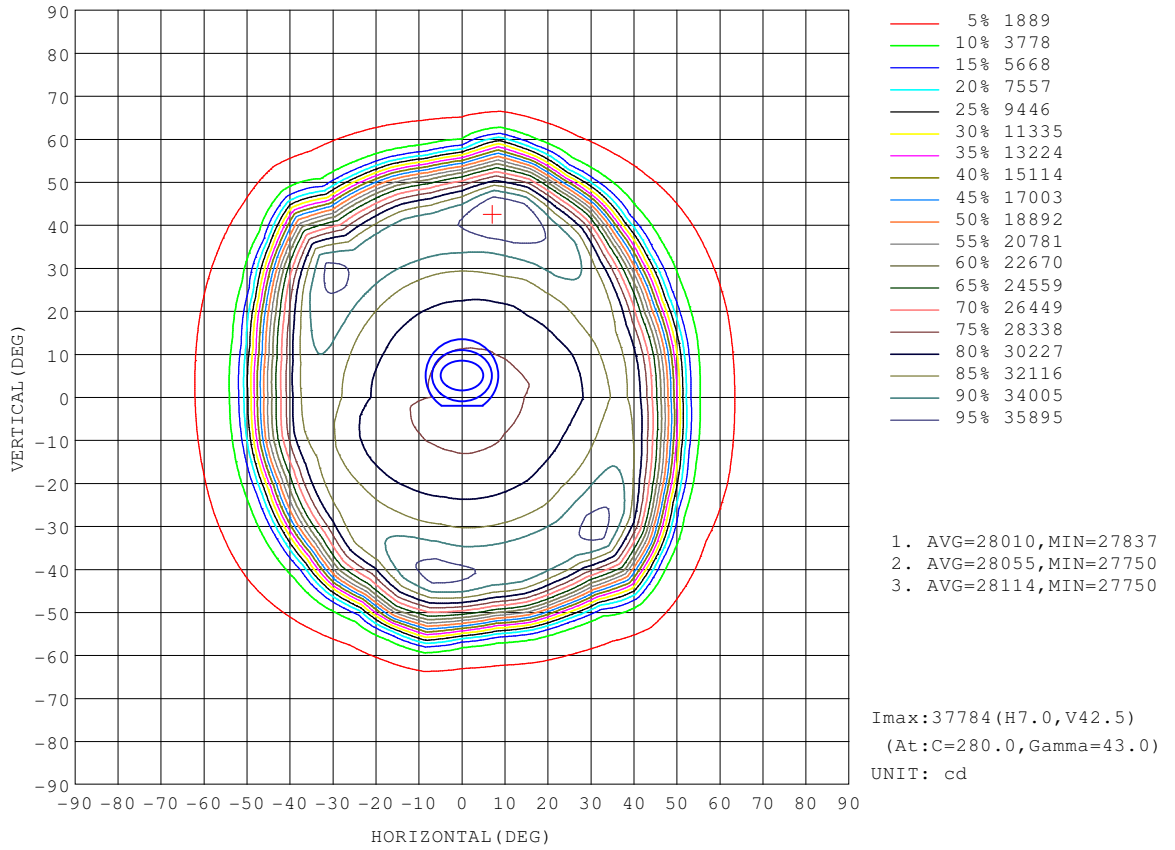
NEMA Beam Type: Type 6

C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature: 20DEG
Operators: LITPA
Test Date: 04/10/2021

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 625W 4000K

ISOCANDELA DIAGRAM

Test:U:230.47V I:0A P:0W PF:0.0000 Freq:50.01Hz Lamp Flux:79635.4x1 lm		
NAME: KYH-XL	TYPE:OUTDOOR	WEIGHT:27 kg
SPEC.:625 WATT	DIM.: 540X660X70	SERIAL No.:
MFR.: LITPA AYDINLATMA	SUR.:	Shielding Angle:

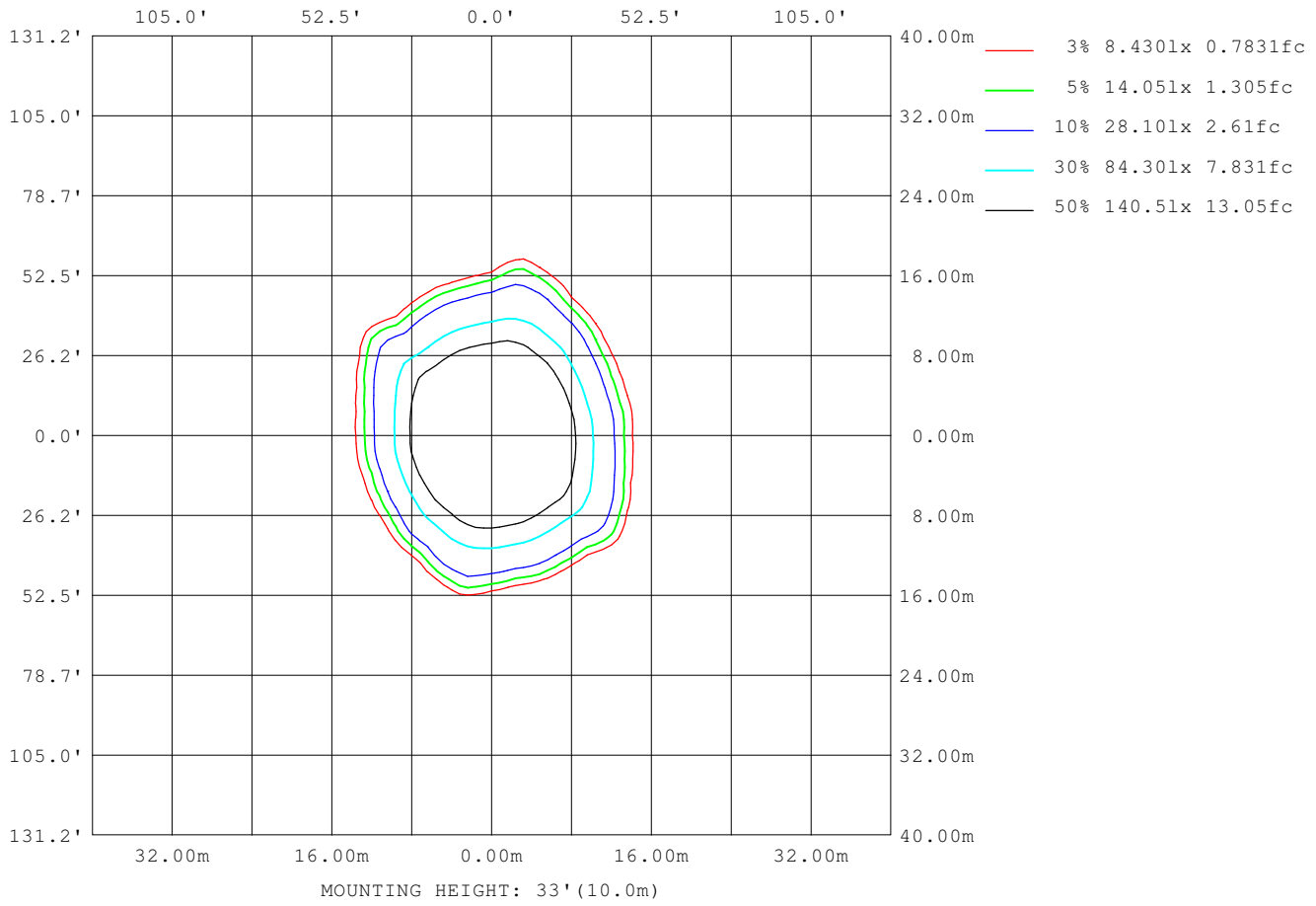


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Remarks: KYH-XL 625W 4000K

ISOLUX DIAGRAM

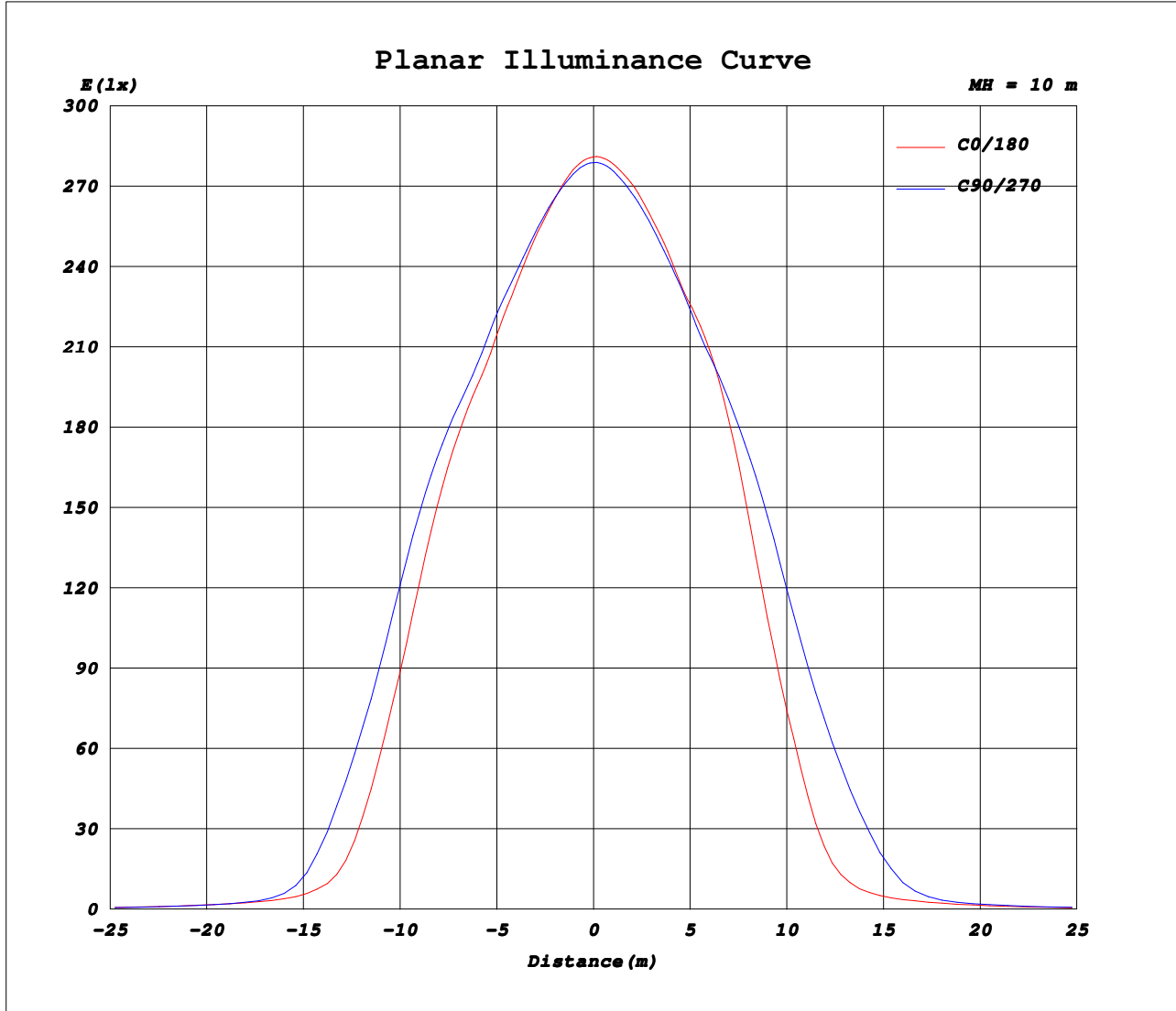
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SPEC.:625 WATT	DIM.: 540X660X70	SERIAL No.:
MFR.: LITPA AYDINLATMA	SUR.:	Shielding Angle:



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Planar Illuminance Curve



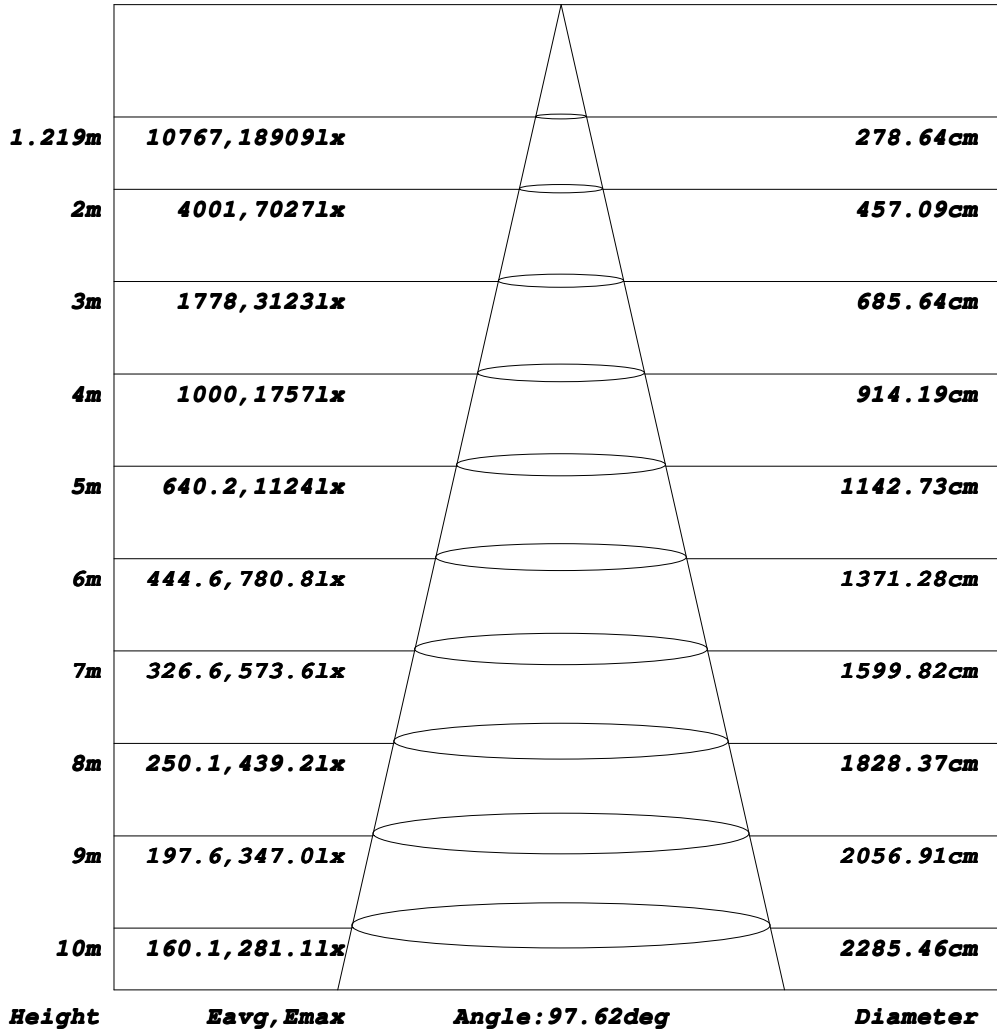
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C Interval: 10.0DEG
Test Speed: HIGH
Temperature: 20DEG
Operators: LITPA
Test Date: 04/10/2021

γ Range: 0 - 90DEG
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Test Distance: 7.200m [K=1.0000]
Remarks: KYH-XL 625W 4000K

AAI Figure

Test:U:230.47V I:0A P:0W PF:0.0000 Freq:50.01Hz Lamp Flux:79635.4x1 lm		
NAME: KYH-XL	TYPE:OUTDOOR	WEIGHT:27 kg
SPEC.:625 WATT	DIM.: 540X660X70	SERIAL No.:
MFR.: LITPA AYDINLATMA	SUR.:	Shielding Angle:

Flux out:66540 lm



Note: The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

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 C Interval: 10.0DEG
 Test Speed: HIGH
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 Test Date: 04/10/2021

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LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:230.47V I:0A P:0W PF:0.0000 Freq:50.01Hz Lamp Flux:79635.4x1 lm		
NAME: KYH-XL	TYPE:OUTDOOR	WEIGHT:27 kg
SPEC.:625 WATT	DIM.: 540X660X70	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	0.53	0.50	0.47	0.46	0.46	0.46	0.47	0.48	0.49	0.50	0.52	0.52	0.53	0.55	0.56	0.57	0.58	0.58	0.58
-85	0.53	0.49	0.46	0.58	0.77	0.97	1.27	1.52	1.78	2.15	2.53	2.74	3.00	3.51	4.00	4.21	4.34	4.88	5.37
-80	0.53	0.49	0.69	1.19	1.87	2.84	4.38	6.47	8.79	11.6	14.6	16.5	18.0	20.1	22.2	23.6	24.5	26.3	27.6
-75	0.53	0.62	1.14	2.14	4.29	8.43	13.6	18.9	24.4	31.1	37.9	42.8	47.1	51.7	56.0	60.0	62.9	64.9	66.1
-70	0.53	0.80	1.72	4.00	10.3	18.6	27.3	36.2	45.8	56.0	67.7	75.8	81.7	88.1	94.5	101	106	109	110
-65	0.53	1.00	2.52	7.63	18.5	31.0	43.1	56.3	71.2	84.8	97.3	108	117	126	137	148	162	164	161
-60	0.53	1.24	3.68	12.6	27.9	43.6	60.1	79.2	95.6	111	127	140	152	168	196	239	311	310	262
-55	0.53	1.48	5.67	18.2	36.8	56.8	78.9	100	120	138	157	177	206	249	409	753	1231	1311	1105
-50	0.53	1.76	8.08	24.0	46.3	70.6	95.9	121	145	169	200	252	365	595	1360	2162	2522	2637	2573
-45	0.53	2.08	10.7	29.8	55.0	84.1	111	141	172	207	273	454	1021	1776	2434	3000	3301	3437	3427
-40	0.53	2.37	13.8	35.6	63.6	95.8	126	162	201	267	417	1015	2037	2659	3021	3411	3600	3643	3609
-35	0.53	2.72	16.9	41.6	72.8	107	142	183	238	365	808	1769	2612	3130	3343	3463	3490	3467	3416
-30	0.53	3.17	20.3	47.3	81.0	117	158	204	286	532	1452	2382	2963	3307	3367	3333	3271	3230	3199
-25	0.53	3.58	23.4	52.2	88.1	127	172	227	355	876	1997	2766	3189	3306	3250	3150	3095	3078	3060
-20	0.53	3.92	25.9	56.4	94.6	137	184	255	449	1285	2359	3008	3257	3235	3105	3026	2979	2945	2931
-15	0.53	4.21	28.0	60.0	100	144	196	283	592	1713	2638	3138	3248	3133	3012	2946	2896	2869	2854
-10	0.53	4.44	29.7	62.6	104	150	206	310	756	2037	2854	3238	3226	3061	2963	2890	2845	2818	2807
-5	0.53	4.60	30.9	64.5	107	154	213	328	868	2110	2939	3287	3230	3052	2949	2871	2816	2789	2789
0	0.53	4.68	31.6	65.5	108	156	218	334	896	2103	2938	3325	3289	3102	3000	2915	2857	2823	2810
5	0.53	4.65	31.1	65.0	108	156	219	335	917	2125	2958	3342	3303	3118	3012	2920	2859	2817	2798
10	0.53	4.55	30.1	63.7	106	154	216	325	845	2054	2939	3367	3359	3176	3059	2957	2890	2842	2823
15	0.53	4.37	28.7	61.5	103	149	209	306	777	2008	2917	3397	3429	3259	3124	3020	2941	2899	2881
20	0.53	4.12	26.8	58.4	98.4	143	198	287	674	1890	2855	3420	3514	3372	3209	3108	3035	2984	2964
25	0.53	3.80	24.5	54.4	92.5	135	185	261	520	1682	2752	3416	3606	3505	3360	3226	3147	3105	3090
30	0.53	3.40	21.6	49.6	85.2	125	170	234	421	1374	2544	3295	3644	3553	3486	3408	3323	3262	3239
35	0.53	2.94	18.3	44.2	77.7	115	154	205	318	934	2159	3043	3274	3368	3505	3526	3499	3467	3464
40	0.53	2.58	15.2	38.3	68.8	104	138	179	244	562	1619	2338	2591	2933	3244	3445	3517	3545	3599
45	0.53	2.28	12.1	32.4	59.4	91.5	122	155	199	325	892	1283	1629	2232	2653	2964	3118	3246	3383
50	0.53	1.95	9.49	26.4	49.6	78.0	104	133	165	217	321	427	619	1151	1693	2103	2315	2511	2691
55	0.53	1.65	7.03	20.4	39.5	62.4	86.7	109	136	166	195	220	268	363	549	821	1034	1288	1515
60	0.53	1.42	4.85	14.6	29.6	47.3	67.0	86.9	107	128	147	163	184	208	234	263	292	336	381
65	0.53	1.17	3.28	9.56	20.2	33.0	46.9	63.5	78.6	93.8	110	124	138	150	161	171	179	186	191
70	0.53	0.94	2.23	5.53	12.1	20.4	29.3	39.6	51.7	64.7	76.9	87.6	97.4	106	114	120	126	129	130
75	0.53	0.71	1.52	2.91	6.01	10.5	15.6	21.8	28.3	35.4	43.6	52.1	60.1	66.3	71.3	76.0	79.9	80.6	80.0
80	0.53	0.55	1.00	1.63	2.56	4.01	5.96	8.79	11.9	15.1	18.6	22.6	26.4	29.2	31.8	34.5	36.8	37.4	37.4
85	0.53	0.54	0.58	0.84	1.18	1.45	1.77	2.17	2.80	3.49	4.12	5.13	6.29	7.23	8.10	8.91	9.62	10.1	10.5
90	0.53	0.53	0.53	0.54	0.55	0.56	0.57	0.58	0.60	0.59	0.58	0.63	0.68	0.75	0.82	0.86	0.89	0.92	0.96

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MFR.: LITPA AYDINLATMA	SUR.:	Shielding Angle:

Table--2

UNIT: μA10cd

H (DEG) V (DEG)	5	10	15	20	25	30	35	40	45	50	55	60	65	70	75	80	85	90	
-90	0.57	0.57	0.57	0.57	0.57	0.57	0.58	0.59	0.65	0.71	0.75	0.79	0.84	0.89	0.95	1.01	1.08	1.15	
-85	5.39	5.33	5.42	5.41	5.28	5.03	4.86	4.67	4.23	3.70	3.24	2.87	2.38	2.06	1.86	1.61	1.37	1.15	
-80	27.6	27.1	26.7	26.0	24.7	23.0	21.5	19.7	16.6	13.9	11.5	9.11	7.02	4.99	3.50	2.40	1.65	1.15	
-75	66.2	65.4	64.1	61.9	58.7	54.9	50.4	44.8	37.3	31.1	25.9	20.6	15.3	10.8	6.63	3.77	2.04	1.15	
-70	110	108	106	102	96.9	91.0	84.5	76.0	66.0	55.7	45.4	35.6	27.0	18.4	11.3	5.78	2.47	1.15	
-65	158	154	150	145	138	130	120	109	95.2	81.2	68.9	55.0	40.3	28.2	17.1	8.33	2.99	1.15	
-60	248	233	222	206	188	171	156	144	128	109	92.3	73.8	55.2	38.5	23.7	11.3	3.76	1.15	
-55	922	728	602	433	311	250	213	193	165	138	115	93.4	70.1	49.1	30.7	15.0	4.48	1.15	
-50	2419	2243	2073	1662	1122	637	438	318	219	167	137	111	86.1	60.1	37.7	19.0	5.37	1.15	
-45	3319	3227	3106	2815	2426	1891	1429	962	334	204	157	128	100	71.1	44.6	23.1	6.30	1.15	
-40	3575	3571	3542	3421	3205	2891	2556	1824	671	259	180	142	113	81.9	51.5	26.9	7.15	1.15	
-35	3419	3453	3500	3540	3524	3486	3261	2494	1286	357	204	158	126	92.0	58.0	30.4	8.00	1.15	
-30	3207	3240	3307	3399	3513	3652	3524	2951	1792	525	231	175	138	101	63.9	33.7	8.88	1.15	
-25	3070	3103	3150	3227	3371	3533	3566	3139	2131	719	270	192	149	109	69.5	36.6	9.64	1.15	
-20	2942	2976	3034	3130	3230	3386	3472	3191	2336	973	314	208	158	114	74.2	39.1	10.3	1.15	
-15	2864	2893	2944	3033	3137	3269	3384	3210	2473	1170	351	220	164	119	77.9	41.1	10.7	1.15	
-10	2817	2842	2890	2961	3065	3181	3320	3204	2522	1293	386	228	169	122	80.7	42.7	11.1	1.15	
-5	2800	2817	2856	2916	3009	3116	3266	3184	2552	1356	405	231	172	124	82.6	43.7	11.3	1.15	
0	2807	2810	2838	2891	2972	3071	3222	3146	2508	1311	401	230	173	124	83.4	44.3	11.4	1.15	
5	2794	2805	2841	2893	2974	3096	3236	3125	2478	1275	402	231	172	123	82.4	43.6	11.3	1.15	
10	2823	2845	2883	2941	3013	3153	3249	3059	2370	1145	385	228	169	121	80.4	42.5	11.1	1.15	
15	2883	2902	2943	3011	3093	3232	3237	2909	2109	931	353	220	164	117	77.3	40.8	10.7	1.15	
20	2962	2982	3040	3098	3208	3310	3209	2682	1740	652	307	207	157	112	73.2	38.7	10.1	1.15	
25	3093	3119	3151	3244	3341	3344	3082	2397	1312	466	265	192	147	106	68.1	36.1	9.48	1.15	
30	3244	3276	3326	3423	3458	3292	2804	1946	856	363	231	177	135	98.2	62.3	33.2	8.68	1.15	
35	3470	3517	3556	3560	3490	3086	2351	1341	501	280	202	160	123	90.0	56.4	29.8	7.74	1.15	
40	3690	3738	3712	3522	3214	2648	1693	700	342	227	178	143	111	80.7	50.2	26.1	6.86	1.15	
45	3621	3684	3549	3112	2573	1827	871	378	246	189	156	125	98.2	69.6	43.7	22.2	6.00	1.15	
50	2964	3020	2812	2240	1453	748	380	245	189	159	133	108	84.9	58.6	36.8	18.0	5.07	1.15	
55	1896	2016	1637	1011	470	298	214	177	152	133	111	91.4	69.2	48.7	30.2	14.2	4.21	1.15	
60	690	781	490	307	220	181	156	140	125	108	90.7	72.4	54.2	38.4	23.4	10.8	3.52	1.15	
65	223	233	194	168	149	135	123	110	97.9	84.1	68.4	53.2	40.5	29.2	16.4	7.55	2.81	1.15	
70	132	131	123	114	108	99.9	89.6	79.9	70.2	58.1	47.0	36.1	28.0	19.0	10.6	5.01	2.32	1.15	
75	82.0	82.6	77.8	72.8	69.3	64.9	57.3	49.4	42.6	35.4	27.8	20.9	15.4	9.87	5.92	3.22	1.92	1.15	
80	38.9	39.7	37.0	34.1	32.6	30.5	26.7	22.8	19.3	16.1	12.4	8.95	6.62	4.52	3.03	2.09	1.55	1.15	
85	10.6	10.5	10.2	9.62	8.94	8.15	6.79	5.55	4.98	4.21	3.26	2.62	2.16	1.81	1.61	1.39	1.28	1.15	
90	0.99	1.03	1.01	1.00	0.97	0.95	0.91	0.86	0.85	0.84	0.82	0.80	0.79	0.79	0.83	0.87	1.01	1.15	

C Range: 0 - 360DEG

C Interval: 10.0DEG

Test Speed: HIGH

Temperature: 20DEG

Operators: LITPA

Test Date: 04/10/2021

 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 625W 4000K