

Floodlight Summary:

Report based on lamp delivering 1000 lumens.

Maximum Intensity	350.8 cd per klm.
(Luminaire orientation as tested.)	0.0 degrees vertical
	0.0 degrees horizontal

Beam Spread	At 10% of Imax	161.9V x 153.1H
	At 50% of Imax	112.8V x 115.3H
	At 90% of Imax	52.9V x 53.1H

Beam Flux	Total	998.8 lumens per klm.
	To 10% of Imax	980.4 lumens per klm.
	To 50% of Imax	771.2 lumens per klm.
	To 90% of Imax	211.1 lumens per klm.

Upward LOR	0.0 %
Downward LOR	99.9 %

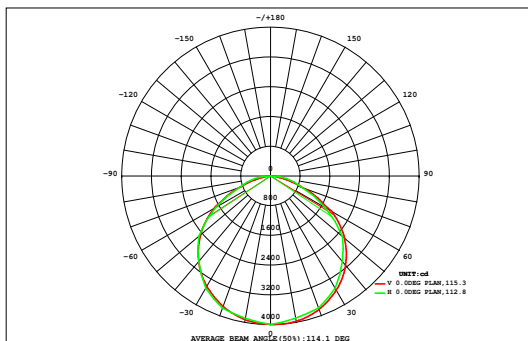
Luminaire Efficiency (Light Output Ratio)	100.0 %
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H(β) Range:-90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature: 20DEG
Operators: LITPA
Test Date: 02.03.2021

V(B) Range:-90 - 90DEG
V(B) Interval: 5.0DEG
Test System: EVERFINE GO-2000B_V1 SYSTEM V2.0.400
Humidity: 65.0%
Test Distance: 7.200m [K=1.0000]
Remarks: PTL-75WATT-6500K

LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:230.45V I:0.3459A P:77.240W PF:0.9690 Freq:50.01Hz Lamp Flux:11394.3x1 lm		
NAME: PTL	TYPE:OUTDOOR	WEIGHT:4kg
SPEC.:75 WATT	DIM.: 370X370X80	SERIAL No.:
MFR.: LITPA AYDINLATMA	SUR.:	Shielding Angle:



DATA OF LAMP		Eff:147.52lm/W	
MODEL	PTL	Imax (cd)	3997
NOMINAL POWER (W)	100	AVAILABILITY (%)	98.2
RATED VOLTAGE (V)	230.0	Avai. FLUX (lm)	11195
NOMINAL FLUX (lm)	11394.3	LOR (%)	100.0
LAMPS INSIDE	1	TOTAL FLUX (lm)	11394
TEST VOLTAGE (V)	230	θ @50% (H,V)	115,113DEG

VERTICAL (DEG)	AREA FLUX DIAGRAM																UNIT:lm		Φ t	Φ a
	0.01	0.06	0.29	0.86	1.74	2.86	3.95	4.67	5.02	5.00	4.59	3.84	2.74	1.66	0.84	0.30	0.07	0.01	38.5	3.74
90	0.01	0.06	0.29	0.86	1.74	2.86	3.95	4.67	5.02	5.00	4.59	3.84	2.74	1.66	0.84	0.30	0.07	0.01	38.5	3.74
80	0.02	0.21	1.15	3.38	6.91	11.4	15.7	18.6	20.0	19.9	18.3	15.3	10.9	6.60	3.30	1.19	0.25	0.02	153	125
70	0.03	0.54	2.84	7.67	14.7	22.7	30.1	35.2	37.7	37.5	34.6	29.3	21.8	14.0	7.29	2.76	0.58	0.04	299	287
60	0.05	1.29	6.40	16.0	29.0	41.5	52.4	60.1	63.9	63.5	59.1	50.9	39.8	27.4	14.9	5.91	1.23	0.07	533	528
50	0.08	2.03	9.62	23.2	40.5	56.6	70.2	80.1	84.9	84.4	78.8	68.3	54.3	38.3	21.6	8.84	1.90	0.10	724	720
40	0.12	2.90	12.8	29.3	48.5	66.7	82.0	93.0	98.3	97.8	91.5	79.8	64.2	46.0	27.6	11.8	2.73	0.14	855	853
30	0.16	3.72	15.6	34.9	55.9	76.0	93.0	105	111	110	103	90.4	73.1	53.1	32.8	14.4	3.46	0.17	976	974
20	0.20	4.28	17.2	37.9	59.7	80.6	98.2	111	117	116	109	95.4	77.3	56.6	35.4	15.9	3.93	0.20	1035	1033
10	0.20	4.46	17.9	38.9	61.1	82.5	100	113	119	119	111	97.6	79.4	58.2	36.6	16.7	4.16	0.22	1061	1059
0	0.21	4.54	18.2	39.3	61.6	83.1	101	114	120	119	112	98.3	80.0	58.7	36.9	17.0	4.24	0.22	1069	1067
-10	0.19	4.28	17.2	37.7	59.3	80.1	97.6	110	116	115	108	94.8	76.9	56.2	35.2	15.9	3.94	0.20	1028	1027
-20	0.17	3.86	15.8	35.2	56.2	76.1	92.9	105	110	110	103	90.3	73.0	53.1	33.0	14.6	3.57	0.17	976	974
-30	0.12	2.99	13.0	29.9	49.1	67.4	82.7	93.7	99.0	98.4	92.2	80.5	64.8	46.6	28.1	12.2	2.88	0.14	864	861
-40	0.09	2.15	9.83	23.4	40.3	56.2	69.6	79.2	83.9	83.3	77.8	67.6	53.8	38.1	21.9	9.13	2.07	0.10	718	715
-50	0.06	1.37	6.64	16.6	30.1	42.8	53.8	61.7	65.5	65.1	60.6	52.2	41.0	28.4	15.6	6.21	1.34	0.08	549	544
-60	0.05	0.68	3.29	8.54	16.0	24.1	31.6	36.7	39.3	39.0	36.2	30.9	23.6	15.7	8.40	3.30	0.74	0.06	318	307
-70	0.04	0.19	0.93	2.81	5.89	10.1	14.5	17.3	18.7	18.6	17.1	14.3	10.4	6.26	3.12	1.16	0.29	0.05	142	112
-80	0.03	0.13	0.48	1.26	2.45	3.95	5.43	6.41	6.89	6.86	6.34	5.37	3.99	2.54	1.34	0.55	0.17	0.04	54.2	4.26
-90	0.03	0.13	0.48	1.26	2.45	3.95	5.43	6.41	6.89	6.86	6.34	5.37	3.99	2.54	1.34	0.55	0.17	0.04	54.2	4.26
	-90	-80	-70	-60	-50	-40	-30	-20	HORIZONTAL (DEG)	20	30	40	50	60	70	80	90			
Φ t	1.85	39.7	169	387	639	885	1095	1244	1316	1309	1223	1065	851	607	364	158	37.5	2.02	11394	---
Φ a	0.00	25.5	159	374	624	871	1085	1235	1307	1300	1214	1054	837	591	351	146	22.3	0.00	---	11195

one-half-peak spread: U:56.7,D:56.6 , L:55.8,R:60.1

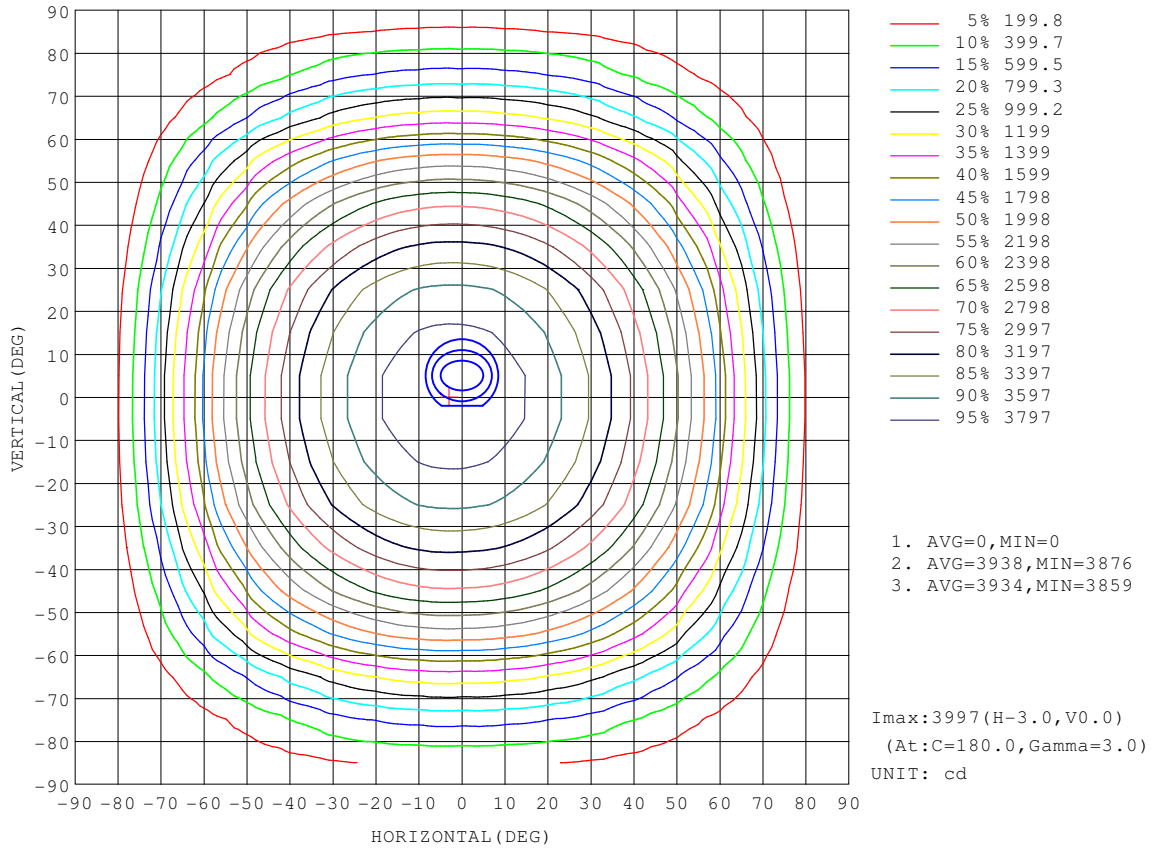
NEMA Beam Type: Type 7

H(β) Range:-90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:20DEG
Operators:LITPA
Test Date:02.03.2021

V(B) Range:-90 - 90DEG
V(B) Interval: 5.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.400
Humidity:65.0%
Test Distance:7.200m [K=1.0000]
Remarks: PTL-75WATT-6500K

ISOCANDELA DIAGRAM

Test:U:230.45V I:0.3459A P:77.240W PF:0.9690 Freq:50.01Hz Lamp Flux:11394.3x1 lm		
NAME: PTL	TYPE:OUTDOOR	WEIGHT:4kg
SPEC.:75 WATT	DIM.: 370X370X80	SERIAL No.:
MFR.: LITPA AYDINLATMA	SUR.:	Shielding Angle:

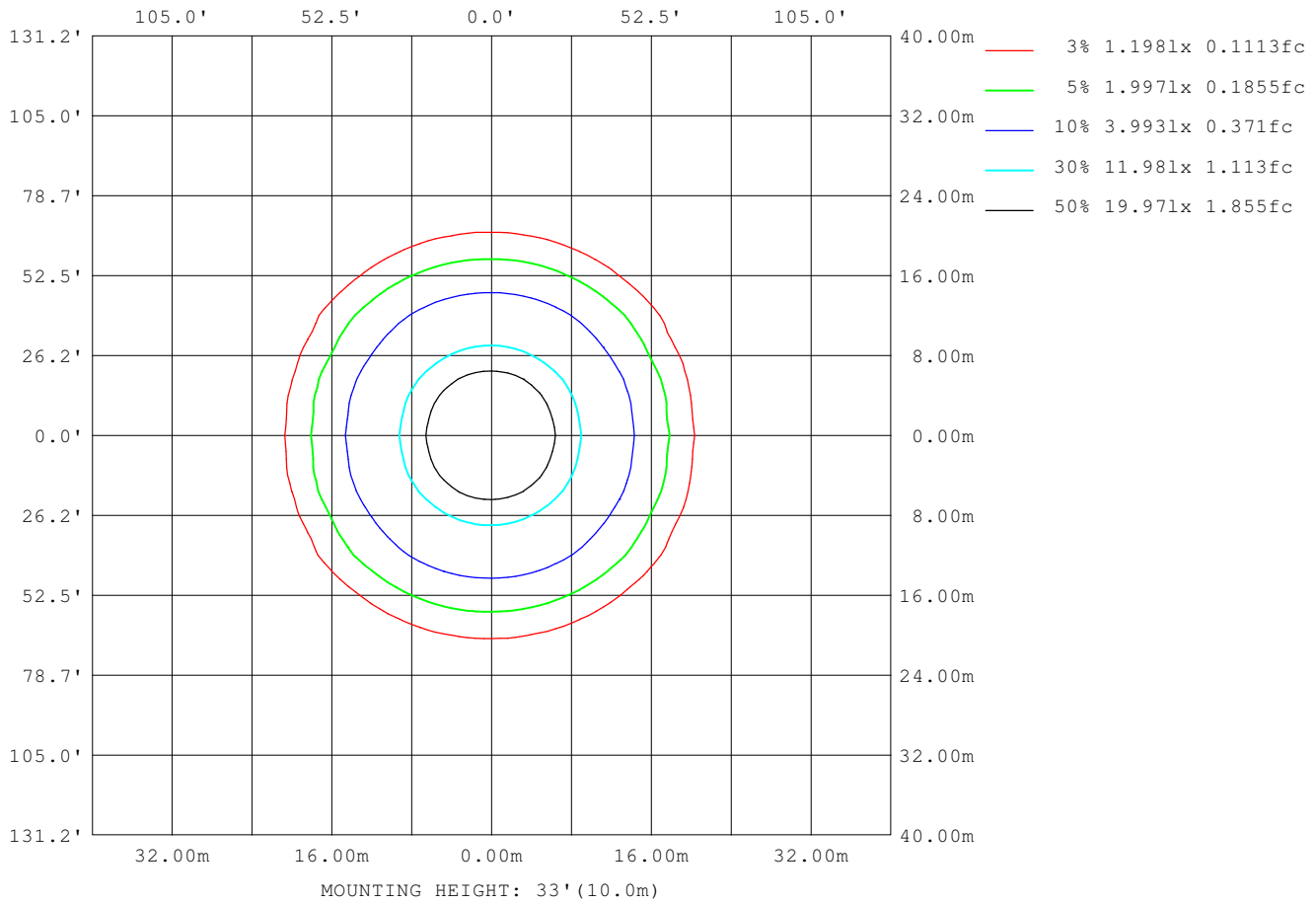


H(β) Range:-90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:20DEG
Operators:LITPA
Test Date:02.03.2021

V(B) Range:-90 - 90DEG
V(B) Interval: 5.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.400
Humidity:65.0%
Test Distance:7.200m [K=1.0000]
Remarks: PTL-75WATT-6500K

ISOLUX DIAGRAM

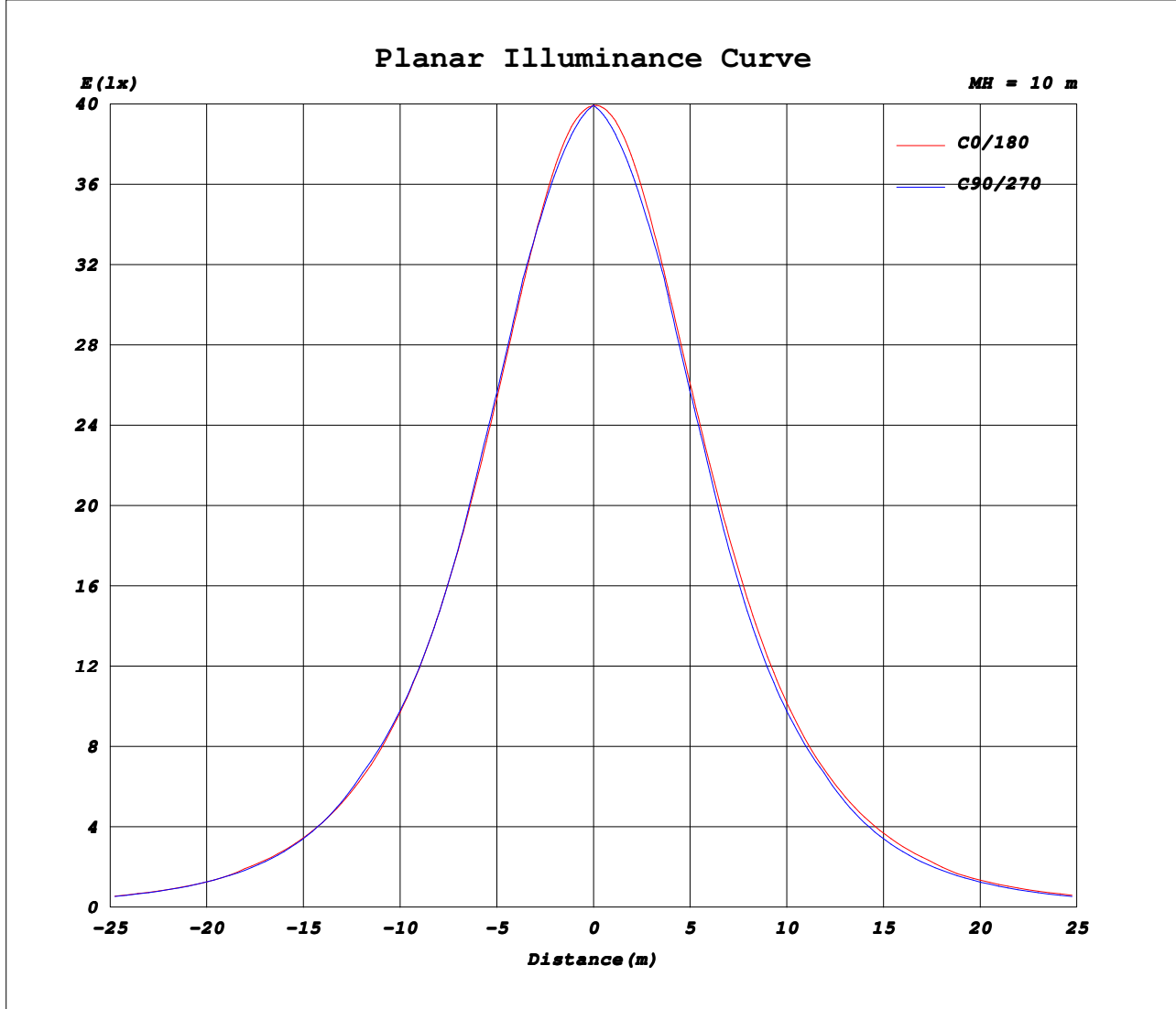
Test:U:230.45V I:0.3459A P:77.240W PF:0.9690 Freq:50.01Hz Lamp Flux:11394.3x1 lm		
NAME: PTL	TYPE:OUTDOOR	WEIGHT:4kg
SPEC.:75 WATT	DIM.: 370X370X80	SERIAL No.:
MFR.: LITPA AYDINLATMA	SUR.:	Shielding Angle:



H(β) Range:-90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:20DEG
Operators:LITPA
Test Date:02.03.2021

V(B) Range:-90 - 90DEG
V(B) Interval: 5.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.400
Humidity:65.0%
Test Distance:7.200m [K=1.0000]
Remarks: PTL-75WATT-6500K

Planar Illuminance Curve

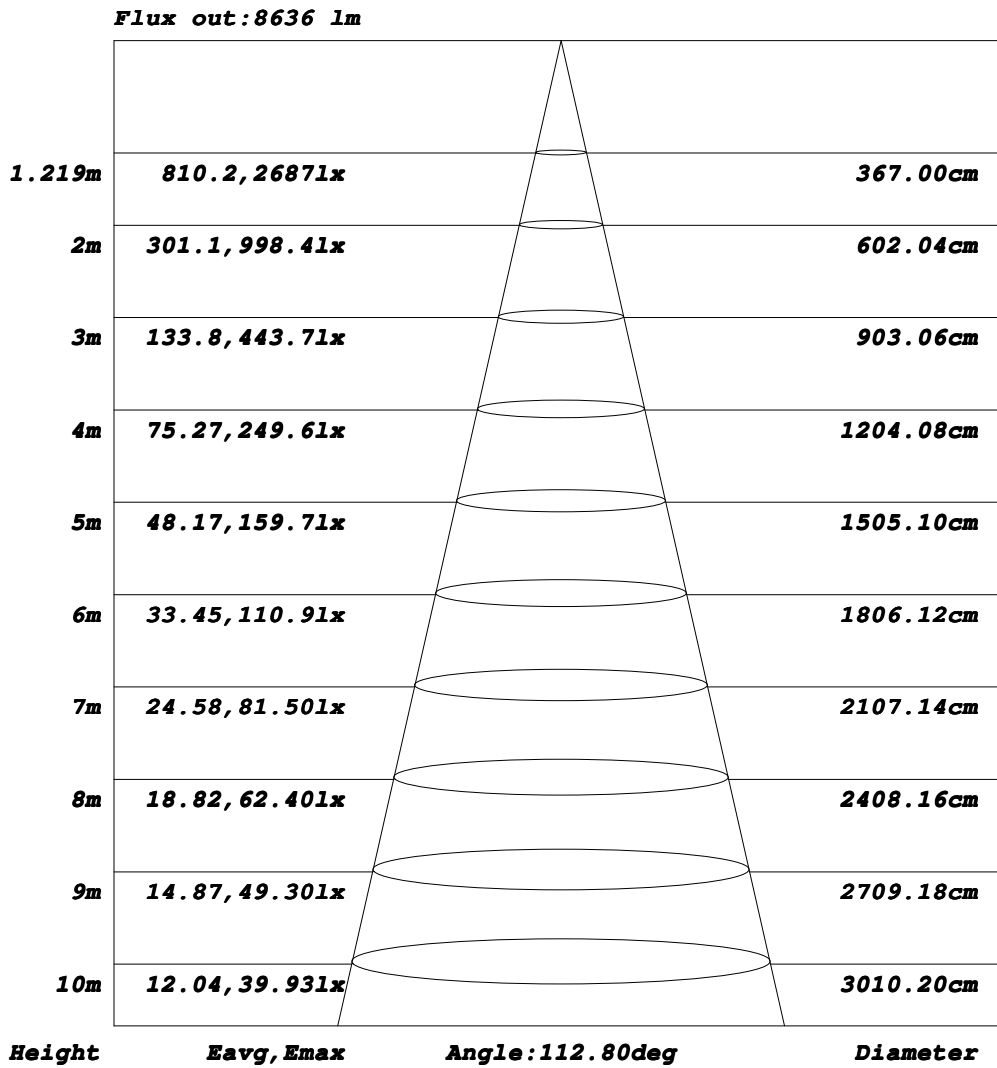


$H(\beta)$ Range: -90 - 90DEG
 $H(\beta)$ Interval: 1.0DEG
Test Speed: HIGH
Temperature: 20DEG
Operators: LITPA
Test Date: 02.03.2021

$V(B)$ Range: -90 - 90DEG
 $V(B)$ Interval: 5.0DEG
Test System: EVERFINE GO-2000B_V1 SYSTEM V2.0.400
Humidity: 65.0%
Test Distance: 7.200m [K=1.0000]
Remarks: PTL-75WATT-6500K

AAI Figure

Test:U:230.45V I:0.3459A P:77.240W PF:0.9690 Freq:50.01Hz Lamp Flux:11394.3x1 lm		
NAME: PTL	TYPE:OUTDOOR	WEIGHT:4kg
SPEC.:75 WATT	DIM.: 370X370X80	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.

H(β) Range:-90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:20DEG
Operators:LITPA
Test Date:02.03.2021

V(B) Range:-90 - 90DEG
V(B) Interval: 5.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.400
Humidity:65.0%
Test Distance:7.200m [K=1.0000]
Remarks: PTL-75WATT-6500K

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:230.45V I:0.3459A P:77.240W PF:0.9690 Freq:50.01Hz Lamp Flux:11394.3x1 lm		
NAME: PTL	TYPE:OUTDOOR	WEIGHT:4kg
SPEC.:75 WATT	DIM.: 370X370X80	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	8.17	9.40	8.91	8.31	7.56	7.49	7.48	7.63	7.93	8.19	8.33	8.35	8.41	8.50	8.53	8.55	8.55	8.54	8.58
-85	8.02	10.3	12.4	15.0	23.6	35.8	52.2	70.0	91.1	114	138	156	181	198	208	219	223	228	226
-80	7.88	11.2	16.0	21.7	39.7	64.1	96.9	132	174	221	269	303	354	388	407	429	438	448	444
-75	7.73	12.1	19.5	28.4	55.8	92.3	142	195	257	327	399	450	527	577	606	640	652	668	662
-70	7.59	13.0	23.0	35.0	71.8	121	186	257	341	433	529	597	700	767	806	850	867	887	880
-65	7.24	14.0	33.0	74.3	149	248	356	481	610	744	865	957	1070	1150	1203	1254	1278	1299	1293
-60	6.89	15.0	43.0	114	226	375	526	705	880	1055	1202	1316	1441	1533	1600	1658	1689	1711	1706
-55	6.55	16.0	53.0	153	303	502	697	929	1150	1367	1538	1676	1812	1916	1998	2062	2100	2122	2119
-50	6.20	17.0	63.0	192	380	629	867	1153	1420	1678	1875	2035	2182	2299	2395	2466	2511	2534	2532
-45	5.63	16.9	81.9	240	468	755	1017	1335	1614	1873	2080	2252	2404	2526	2627	2701	2748	2771	2770
-40	5.06	16.9	101	288	556	880	1168	1517	1807	2068	2286	2469	2627	2753	2859	2935	2985	3009	3008
-35	4.49	16.9	120	335	645	1005	1318	1699	2001	2262	2492	2686	2849	2980	3090	3170	3222	3246	3246
-30	3.92	16.9	139	383	733	1130	1469	1881	2195	2457	2698	2902	3071	3207	3322	3404	3459	3484	3484
-25	3.40	18.0	158	435	799	1215	1578	1998	2316	2586	2827	3034	3208	3349	3463	3546	3602	3628	3628
-20	2.89	19.1	178	488	865	1300	1687	2116	2437	2714	2956	3166	3344	3491	3603	3688	3744	3772	3773
-15	2.50	21.2	182	498	882	1324	1737	2153	2477	2756	3002	3215	3394	3541	3657	3743	3801	3828	3828
-10	2.11	23.3	185	509	899	1348	1787	2190	2516	2799	3048	3264	3443	3592	3711	3799	3857	3883	3883
-5	1.72	25.4	189	519	916	1372	1837	2227	2556	2841	3094	3314	3493	3642	3765	3854	3914	3939	3938
0	1.33	27.5	193	530	933	1396	1887	2264	2596	2884	3140	3363	3543	3692	3819	3910	3970	3995	3993
5	1.21	26.6	188	517	913	1369	1833	2224	2553	2839	3093	3313	3493	3643	3766	3856	3916	3941	3940
10	1.09	25.6	183	504	894	1341	1778	2184	2511	2795	3046	3264	3444	3593	3713	3802	3862	3887	3887
15	0.98	24.7	178	491	874	1314	1724	2145	2469	2750	2999	3214	3394	3543	3660	3748	3807	3834	3834
20	0.86	23.8	173	477	854	1287	1669	2105	2427	2706	2952	3164	3345	3493	3607	3694	3753	3780	3782
25	0.85	22.1	153	426	790	1200	1562	1988	2305	2577	2820	3031	3206	3351	3466	3551	3608	3635	3637
30	0.83	20.4	132	375	726	1113	1456	1871	2184	2449	2689	2897	3068	3210	3324	3409	3463	3490	3492
35	0.83	18.5	114	326	637	983	1304	1687	1982	2251	2479	2677	2842	2977	3087	3170	3221	3248	3250
40	0.82	16.6	95.2	277	547	853	1153	1504	1780	2053	2268	2457	2616	2745	2851	2930	2979	3006	3007
45	0.81	14.8	76.9	228	458	724	1001	1320	1579	1855	2058	2237	2389	2513	2614	2691	2737	2764	2765
50	0.80	12.9	58.6	179	368	594	850	1136	1377	1657	1847	2018	2163	2280	2378	2452	2495	2522	2523
55	0.80	11.0	48.0	141	292	474	682	915	1117	1349	1517	1664	1797	1901	1985	2051	2087	2112	2111
60	0.80	8.99	37.5	104	216	354	513	694	856	1042	1187	1310	1431	1522	1592	1649	1680	1703	1700
65	0.80	7.02	26.9	65.9	139	234	345	473	596	735	857	956	1065	1143	1200	1248	1272	1293	1288
70	0.79	5.05	16.4	28.2	63.1	114	177	252	336	427	527	602	699	764	807	847	865	883	877
75	0.80	3.99	12.5	21.3	47.5	85.9	133	189	252	321	395	452	524	573	605	635	649	662	658
80	0.80	2.93	8.58	14.5	31.9	57.5	88.8	126	168	214	264	301	350	382	404	424	433	442	439
85	0.80	1.87	4.69	7.64	16.4	29.2	44.8	63.6	84.6	107	132	151	175	192	202	212	217	221	220
90	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.81	0.81	0.81	0.81	0.81	0.81	0.81	0.81	0.81	0.81	0.81

H(β) Range:-90 - 90DEG

H(β) Interval: 1.0DEG

Test Speed: HIGH

Temperature:20DEG

Operators:LITPA

Test Date:02.03.2021

V(B) Range:-90 - 90DEG

V(B) Interval: 5.0DEG

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

Humidity:65.0%

Test Distance:7.200m [K=1.0000]

Remarks: PTL-75WATT-6500K

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:230.45V I:0.3459A P:77.240W PF:0.9690 Freq:50.01Hz Lamp Flux:11394.3x1 lm		
NAME: PTL	TYPE:OUTDOOR	WEIGHT:4kg
SPEC.:75 WATT	DIM.: 370X370X80	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	8.62	8.71	8.81	8.91	9.00	9.10	9.20	9.35	9.46	9.33	9.05	8.92	9.02	9.42	10.1	11.1	11.1	9.18	
-85	227	221	217	206	196	180	158	140	115	97.3	77.4	58.4	41.3	28.8	20.1	15.4	12.8	9.04	
-80	446	434	425	402	383	350	307	271	221	185	146	108	73.5	48.2	30.0	19.7	14.5	8.90	
-75	664	647	633	599	570	521	456	401	327	273	214	157	106	67.6	40.0	24.0	16.3	8.76	
-70	883	860	841	796	757	691	605	532	432	361	282	207	138	87.0	49.9	28.4	18.0	8.62	
-65	1291	1264	1235	1180	1125	1043	940	842	719	610	479	360	251	156	85.6	38.1	18.4	8.16	
-60	1700	1669	1630	1564	1493	1396	1275	1153	1005	859	676	513	364	226	121	47.8	18.8	7.70	
-55	2109	2073	2024	1949	1861	1748	1610	1464	1292	1108	874	667	477	295	157	57.6	19.2	7.24	
-50	2517	2478	2419	2333	2229	2101	1945	1775	1578	1357	1071	820	590	365	192	67.3	19.6	6.79	
-45	2754	2713	2652	2563	2452	2318	2156	1976	1766	1535	1244	958	706	445	236	86.6	20.1	6.17	
-40	2991	2949	2885	2793	2675	2536	2367	2177	1953	1713	1417	1096	821	525	279	106	20.7	5.56	
-35	3228	3185	3118	3022	2899	2753	2579	2378	2140	1892	1590	1235	937	605	323	125	21.2	4.95	
-30	3464	3421	3351	3252	3122	2970	2790	2579	2327	2070	1763	1373	1053	685	366	144	21.8	4.34	
-25	3607	3560	3486	3386	3255	3100	2913	2697	2447	2177	1867	1484	1121	737	404	154	22.5	3.80	
-20	3749	3699	3622	3519	3389	3229	3035	2815	2567	2284	1971	1594	1189	789	443	165	23.1	3.26	
-15	3805	3756	3678	3573	3439	3279	3086	2863	2612	2327	2010	1637	1217	809	455	173	26.7	2.82	
-10	3861	3812	3733	3627	3490	3329	3136	2911	2657	2371	2048	1679	1245	828	467	182	30.2	2.39	
-5	3917	3868	3789	3681	3541	3379	3186	2959	2701	2415	2087	1722	1273	847	479	190	33.8	1.95	
0	3972	3925	3845	3735	3592	3428	3236	3007	2746	2458	2126	1764	1300	866	491	199	37.3	1.52	
5	3919	3871	3791	3682	3542	3378	3186	2959	2701	2414	2086	1716	1271	845	477	189	35.4	1.38	
10	3866	3816	3738	3629	3491	3328	3136	2910	2655	2370	2046	1668	1241	823	463	179	33.5	1.24	
15	3812	3762	3684	3577	3441	3278	3085	2862	2609	2326	2006	1619	1211	802	449	169	31.6	1.11	
20	3759	3708	3631	3524	3390	3228	3035	2813	2563	2282	1966	1571	1181	780	436	160	29.6	0.97	
25	3616	3567	3493	3389	3257	3099	2911	2694	2443	2173	1860	1465	1110	724	391	147	27.9	0.95	
30	3472	3426	3355	3254	3124	2970	2787	2575	2324	2064	1755	1360	1039	668	347	135	26.2	0.93	
35	3231	3186	3118	3022	2898	2750	2573	2370	2133	1872	1578	1215	919	585	302	117	23.4	0.92	
40	2989	2946	2881	2789	2671	2530	2359	2165	1942	1681	1402	1069	799	501	257	99.1	20.5	0.92	
45	2748	2706	2645	2557	2444	2309	2145	1961	1752	1489	1225	924	679	418	211	81.0	17.6	0.91	
50	2506	2466	2408	2324	2217	2089	1931	1756	1561	1298	1049	778	559	334	166	62.9	14.8	0.91	
55	2099	2063	2014	1940	1849	1735	1591	1443	1272	1054	848	627	449	268	134	52.1	13.0	0.89	
60	1692	1660	1620	1555	1480	1381	1252	1129	983	810	647	477	339	202	102	41.4	11.3	0.87	
65	1285	1257	1226	1171	1111	1028	912	815	694	566	446	326	229	135	69.7	30.6	9.61	0.86	
70	878	854	832	787	743	674	572	502	405	322	245	175	119	69.1	37.5	19.9	7.90	0.84	
75	659	641	624	590	557	506	430	376	304	242	184	131	89.8	52.0	28.3	15.1	6.13	0.84	
80	439	428	416	394	372	338	287	251	203	162	123	87.9	60.2	35.0	19.2	10.3	4.37	0.83	
85	220	214	209	197	186	169	144	126	102	81.2	61.9	44.4	30.5	17.9	10.0	5.60	2.61	0.83	
90	0.81	0.81	0.82	0.82	0.83	0.83	0.84	0.86	0.86	0.86	0.86	0.86	0.85	0.85	0.85	0.85	0.84	0.83	

H(β) Range:-90 - 90DEG

H(β) Interval: 1.0DEG

Test Speed: HIGH

Temperature:20DEG

Operators:LITPA

Test Date:02.03.2021

V(B) Range:-90 - 90DEG

V(B) Interval: 5.0DEG

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

Humidity:65.0%

Test Distance:7.200m [K=1.0000]

Remarks: PTL-75WATT-6500K