

Floodlight Summary:

Report based on lamp delivering 1000 lumens.

Maximum Intensity	351.3 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	112.6V x 115.4H
	At 90% of Imax	52.7V x 53.2H

Beam Flux	Total	998.8 lumens per klm.
	To 10% of Imax	980.4 lumens per klm.
	To 50% of Imax	770.1 lumens per klm.
	To 90% of Imax	211.3 lumens per klm.

Upward LOR	0.0 %
Downward LOR	99.9 %

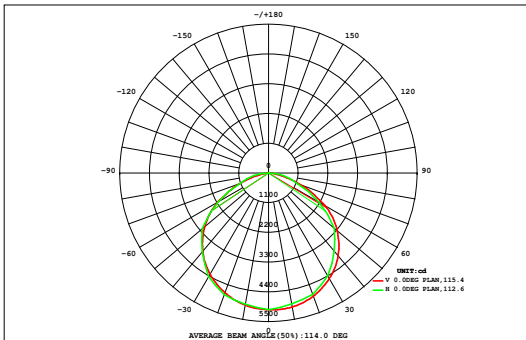
Luminaire Efficiency (Light Output Ratio)	100.0 %
---	---------

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-100WATT-6500K

LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:230.46V I:0.4480A P:101.32W PF:0.9813 Freq:50.01Hz Lamp Flux:14413.4x1 lm		
NAME: PTL	TYPE:OUTDOOR	WEIGHT:4kg
SPEC.:100 WATT	DIM.: 370X370X80	SERIAL No.:
MFR.: LITPA AYDINLATMA	SUR.:	Shielding Angle:



DATA OF LAMP		Eff:142.26lm/W	
MODEL	PTL	Imax (cd)	5064
NOMINAL POWER (W)	100	AVAILABILITY (%)	98.3
RATED VOLTAGE (V)	230.0	Avai. FLUX (lm)	14162
NOMINAL FLUX (lm)	14413.4	LOR (%)	100.0
LAMPS INSIDE	1	TOTAL FLUX (lm)	14413
TEST VOLTAGE (V)	230	θ @50% (H,V)	115,113DEG

VERTICAL (DEG)	AREA FLUX DIAGRAM																UNIT:lm		Φ t	Φ a
	0.01	0.07	0.35	1.04	2.15	3.57	4.98	5.91	6.38	6.36	5.87	4.93	3.56	2.19	1.11	0.41	0.09	0.01	49.0	4.90
90	0.02	0.25	1.41	4.21	8.66	14.3	19.9	23.6	25.4	25.3	23.3	19.5	14.0	8.55	4.30	1.56	0.33	0.03	195	160
80	0.04	0.65	3.50	9.57	18.5	28.7	38.2	44.6	47.8	47.6	44.0	37.3	27.8	18.0	9.46	3.62	0.77	0.06	380	364
70	0.07	1.57	7.98	20.1	36.6	52.6	66.4	76.2	81.1	80.6	75.1	64.8	50.7	35.0	19.2	7.65	1.62	0.09	677	671
60	0.10	2.50	12.0	29.2	51.1	71.7	89.1	102	108	107	100	86.8	69.0	48.7	27.6	11.4	2.49	0.13	918	914
50	0.15	3.59	16.0	37.0	61.3	84.5	104	118	125	124	116	101	81.5	58.6	35.2	15.2	3.55	0.19	1085	1082
40	0.20	4.63	19.6	44.1	70.8	96.3	118	133	140	140	131	115	92.9	67.5	41.8	18.5	4.47	0.23	1238	1235
30	0.24	5.35	21.7	47.9	75.5	102	124	140	148	147	138	121	98.2	71.8	45.1	20.4	5.05	0.26	1312	1310
20	0.25	5.56	22.5	49.2	77.3	104	127	143	151	150	141	124	101	73.9	46.5	21.4	5.34	0.29	1344	1342
10	0.26	5.66	22.8	49.6	77.9	105	128	144	152	151	142	125	102	74.5	47.0	21.7	5.43	0.29	1354	1352
0	0.24	5.33	21.6	47.5	75.0	101	123	139	147	146	137	120	97.5	71.3	44.8	20.3	5.04	0.26	1302	1300
-10	0.21	4.80	19.8	44.3	70.7	96.0	117	132	140	139	130	114	92.4	67.3	41.8	18.6	4.56	0.22	1233	1231
-20	0.15	3.68	16.1	37.3	61.5	84.7	104	118	125	124	116	101	81.7	58.8	35.5	15.4	3.65	0.18	1087	1083
-30	0.12	2.64	12.1	29.0	50.2	70.3	87.2	99.3	105	105	97.7	84.8	67.6	47.9	27.6	11.5	2.60	0.13	900	896
-40	0.08	1.68	8.17	20.5	37.3	53.4	67.4	77.2	82.0	81.5	75.9	65.4	51.3	35.6	19.5	7.76	1.67	0.10	686	680
-50	0.07	0.87	4.16	10.8	20.2	30.4	39.9	46.3	49.5	49.2	45.6	39.0	29.7	19.7	10.5	4.11	0.92	0.08	401	387
-60	0.05	0.27	1.25	3.69	7.66	13.0	18.5	22.1	23.9	23.7	21.8	18.3	13.2	7.93	3.93	1.44	0.36	0.06	181	144
-70	0.04	0.17	0.64	1.64	3.19	5.09	6.95	8.17	8.76	8.71	8.03	6.78	5.01	3.17	1.66	0.67	0.21	0.04	68.9	5.56
-80	0.04	0.17	0.64	1.64	3.19	5.09	6.95	8.17	8.76	8.71	8.03	6.78	5.01	3.17	1.66	0.67	0.21	0.04	68.9	5.56
-90	0.04	0.17	0.64	1.64	3.19	5.09	6.95	8.17	8.76	8.71	8.03	6.78	5.01	3.17	1.66	0.67	0.21	0.04	68.9	5.56
HORIZONTAL (DEG)																				
Φ t	2.30	49.3	212	487	806	1117	1385	1573	1665	1656	1549	1349	1078	770	463	201	48.2	2.66	14413	---
Φ a	0.00	31.8	199	470	786	1100	1371	1561	1653	1644	1536	1336	1061	750	446	187	29.5	0.00	---	14162

one-half-peak spread: U:56.5,D:56.6 , L:56.2,R:59.7

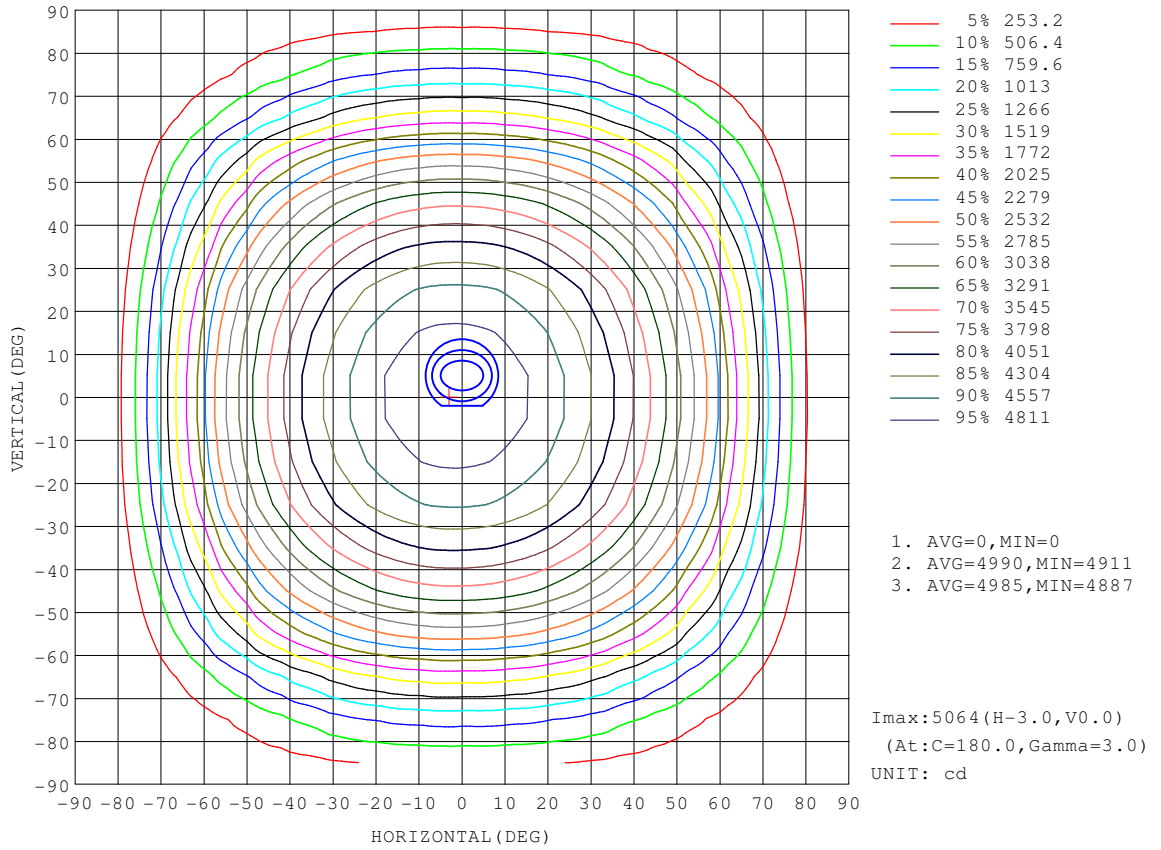
NEMA Beam Type: Type 7

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-100WATT-6500K

ISOCANDELA DIAGRAM

Test:U:230.46V I:0.4480A P:101.32W PF:0.9813 Freq:50.01Hz Lamp Flux:14413.4x1 lm		
NAME: PTL	TYPE:OUTDOOR	WEIGHT:4kg
SPEC.:100 WATT	DIM.: 370X370X80	SERIAL No.:
MFR.: LITPA AYDINLATMA	SUR.:	Shielding Angle:

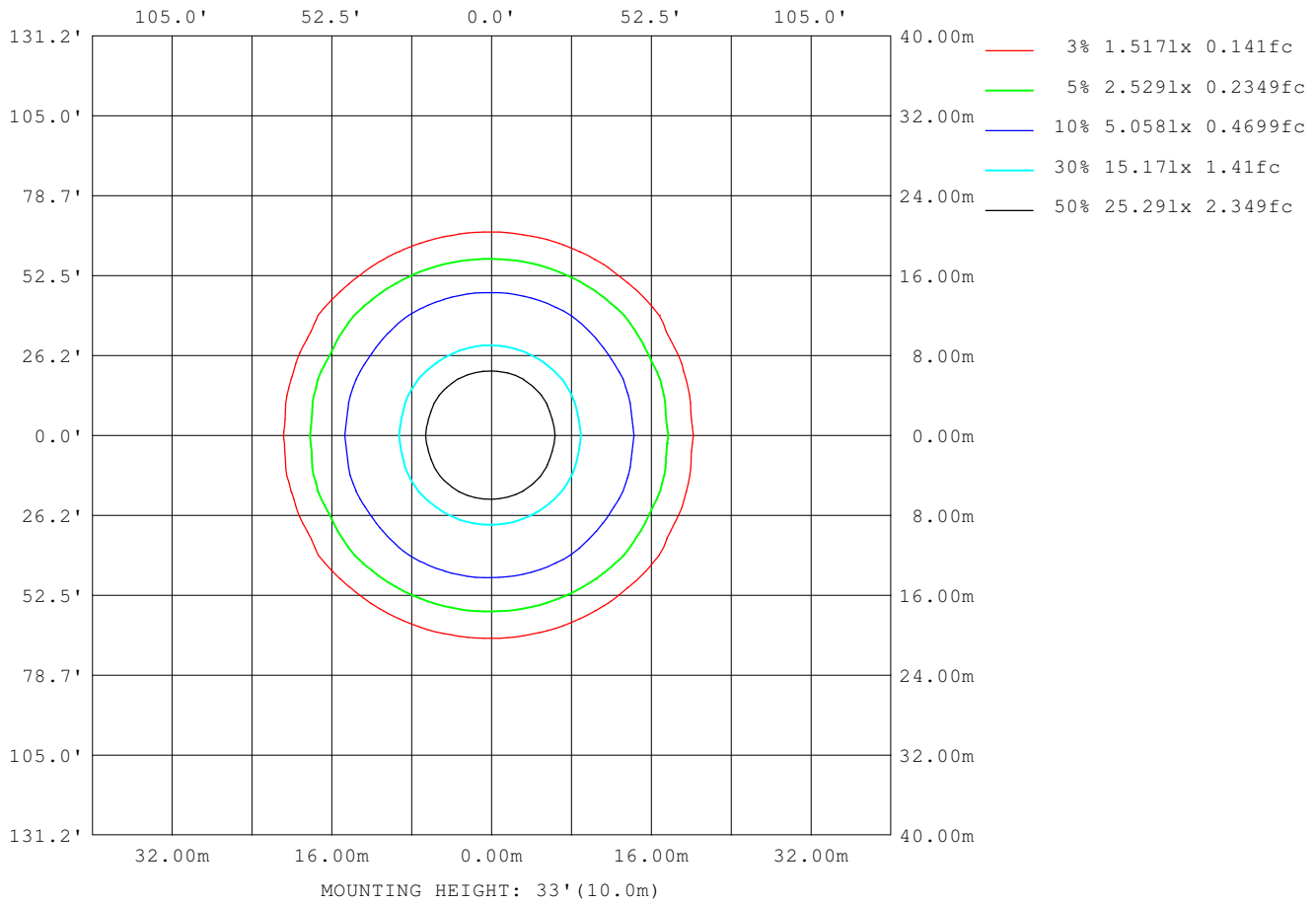


H(β) Range:-90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:20DEG
Operators:LITPA
Test Date:02.03.2021

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-100WATT-6500K

ISOLUX DIAGRAM

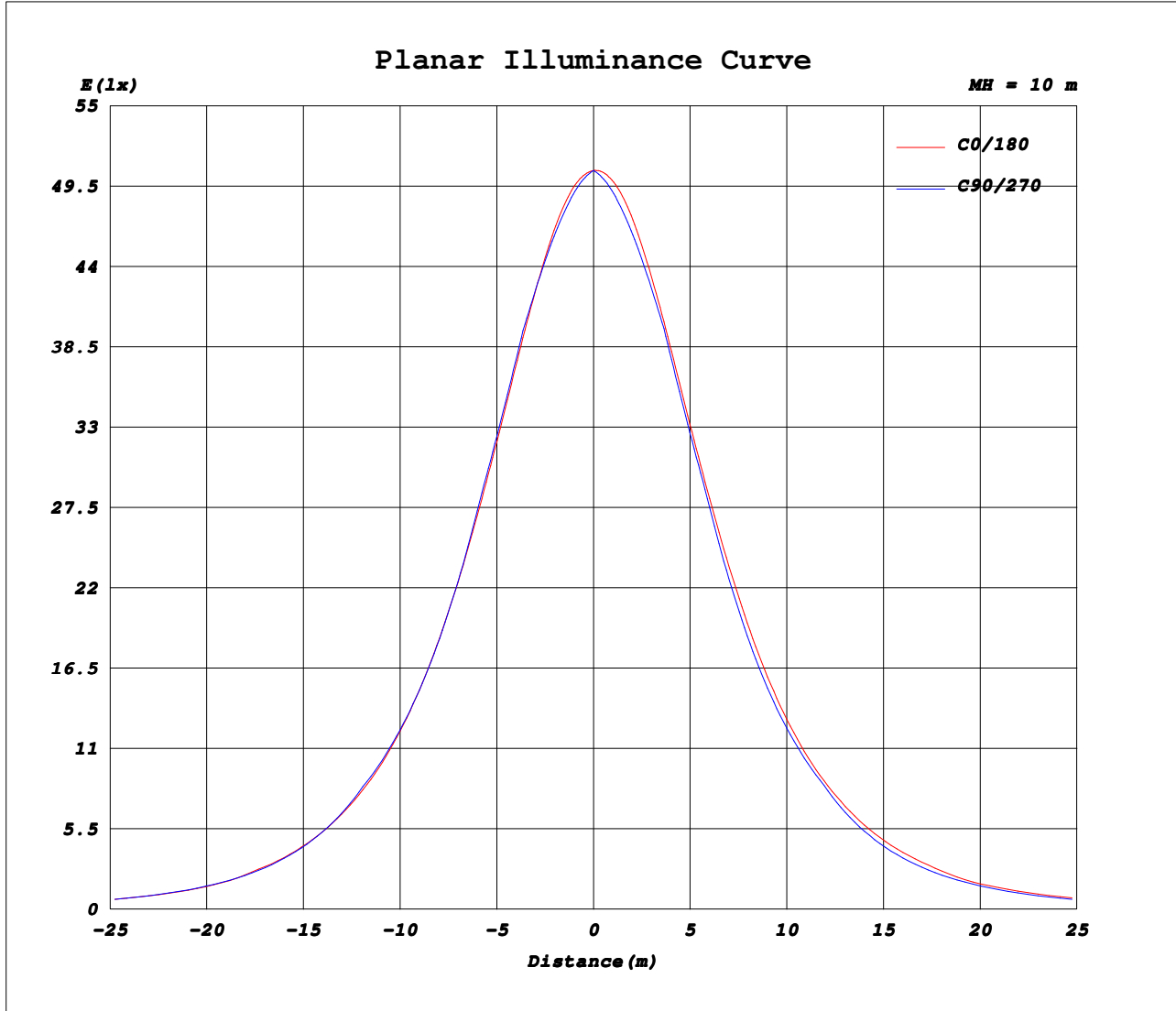
Test:U:230.46V I:0.4480A P:101.32W PF:0.9813 Freq:50.01Hz Lamp Flux:14413.4x1 lm		
NAME: PTL	TYPE:OUTDOOR	WEIGHT:4kg
SPEC.:100 WATT	DIM.: 370X370X80	SERIAL No.:
MFR.: LITPA AYDINLATMA	SUR.:	Shielding Angle:



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-100WATT-6500K

Planar Illuminance Curve

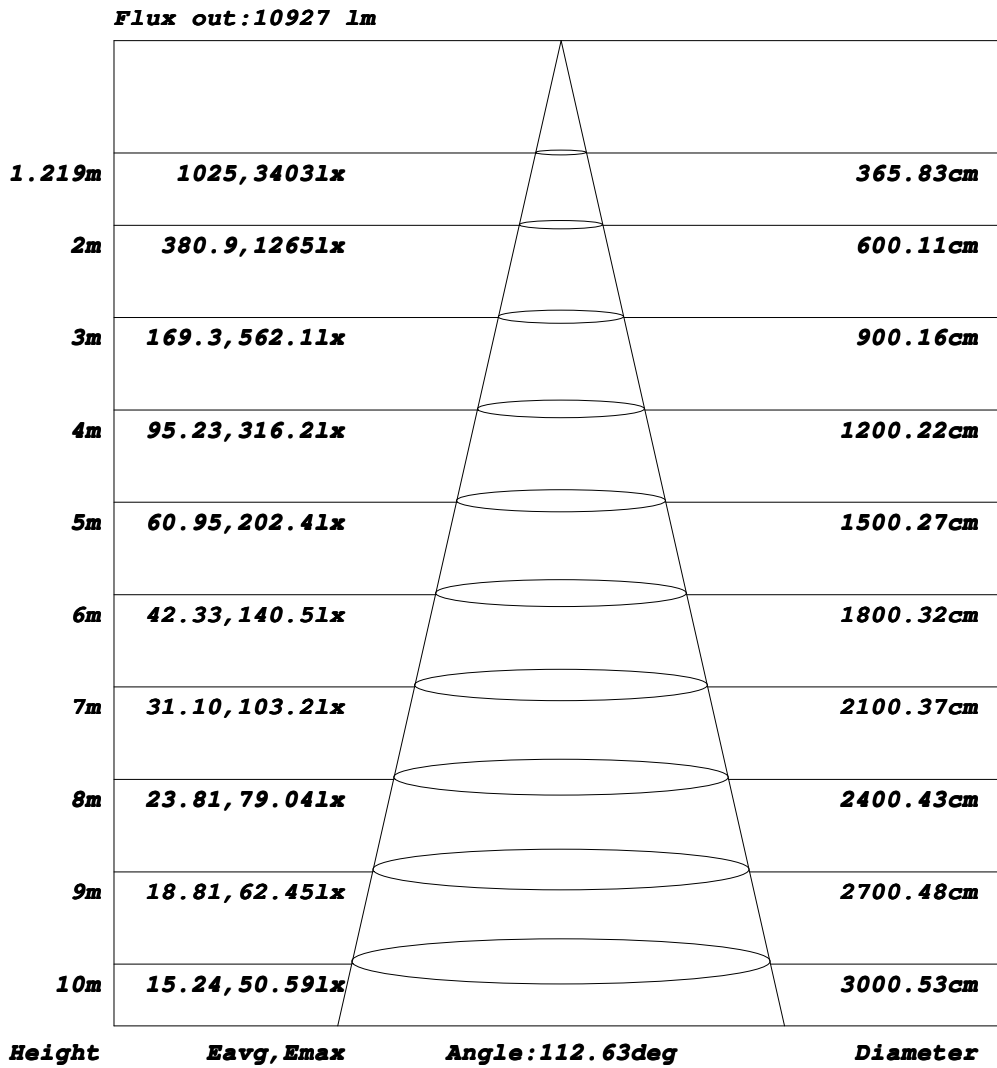


$H(\beta)$ Range: -90 - 90DEG
 $H(\beta)$ Interval: 1.0DEG
Test Speed: HIGH
Temperature: 20DEG
Operators: LITPA
Test Date: 02.03.2021

$V(\beta)$ Range: -90 - 90DEG
 $V(\beta)$ 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-100WATT-6500K

AAI Figure

Test:U:230.46V I:0.4480A P:101.32W PF:0.9813 Freq:50.01Hz Lamp Flux:14413.4x1 lm		
NAME: PTL	TYPE:OUTDOOR	WEIGHT:4kg
SPEC.:100 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-100WATT-6500K

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:230.46V I:0.4480A P:101.32W PF:0.9813 Freq:50.01Hz Lamp Flux:14413.4x1 lm		
NAME: PTL	TYPE:OUTDOOR	WEIGHT:4kg
SPEC.:100 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	10.4	12.0	11.3	10.5	9.59	9.53	9.53	9.75	10.2	10.4	10.5	10.6	10.6	10.7	10.7	10.8	10.8	10.8	10.9
-85	10.2	12.8	15.6	18.4	28.6	43.8	64.8	87.2	113	143	173	195	229	250	263	277	283	290	288
-80	10.0	14.7	20.9	29.8	52.4	86.7	127	176	227	285	346	391	454	496	521	548	558	570	564
-75	9.83	14.8	24.1	33.8	66.5	112	175	242	320	409	497	565	666	729	767	811	827	849	843
-70	9.71	17.5	30.4	49.1	95.3	164	244	341	443	559	682	772	898	982	1030	1085	1105	1129	1118
-65	9.17	16.8	37.2	84.0	174	290	433	590	741	920	1071	1192	1341	1442	1510	1577	1608	1639	1633
-60	9.00	20.2	59.1	152	293	480	675	899	1114	1335	1518	1667	1820	1935	2016	2087	2124	2150	2143
-55	8.19	18.8	55.2	169	352	578	837	1129	1377	1678	1895	2079	2253	2388	2491	2576	2626	2659	2658
-50	8.28	23.0	87.8	254	492	796	1105	1456	1786	2111	2353	2562	2742	2888	3002	3090	3143	3171	3169
-45	6.92	19.6	84.2	268	542	870	1226	1628	1950	2307	2570	2797	2993	3151	3279	3376	3439	3474	3476
-40	6.92	24.4	140	380	720	1122	1491	1926	2287	2614	2885	3117	3312	3472	3600	3693	3753	3782	3780
-35	5.37	19.2	124	381	743	1169	1599	2086	2462	2807	3095	3349	3561	3733	3874	3979	4048	4085	4088
-30	5.56	25.9	193	507	949	1447	1876	2396	2789	3116	3417	3672	3883	4056	4197	4297	4363	4392	4391
-25	3.83	19.4	169	495	940	1451	1921	2472	2876	3225	3533	3801	4026	4211	4359	4468	4542	4581	4585
-20	4.41	33.4	249	646	1130	1681	2201	2713	3110	3460	3764	4026	4248	4431	4572	4674	4743	4776	4775
-15	2.60	21.3	198	567	1059	1615	2117	2674	3087	3447	3766	4040	4271	4462	4615	4728	4805	4844	4848
-10	3.33	39.2	263	676	1176	1745	2316	2808	3214	3570	3884	4153	4377	4562	4711	4818	4889	4919	4916
-5	1.68	24.5	206	596	1104	1676	2237	2767	3192	3557	3884	4167	4400	4592	4752	4871	4951	4989	4990
0	2.25	45.1	276	707	1222	1810	2430	2903	3317	3681	4004	4280	4506	4693	4849	4962	5035	5062	5058
5	1.07	25.8	204	594	1102	1673	2234	2766	3190	3556	3884	4168	4402	4594	4756	4875	4955	4993	4995
10	1.94	42.2	258	671	1172	1741	2310	2805	3211	3569	3885	4156	4382	4567	4717	4826	4899	4928	4925
15	0.74	25.4	192	560	1053	1607	2111	2670	3082	3446	3768	4044	4278	4470	4625	4740	4819	4858	4862
20	1.63	39.3	240	635	1121	1671	2189	2707	3105	3457	3766	4032	4258	4442	4585	4690	4762	4793	4793
25	0.63	23.5	165	490	939	1448	1922	2474	2877	3230	3543	3813	4042	4230	4380	4492	4568	4607	4612
30	1.54	30.6	189	505	954	1450	1882	2409	2798	3132	3434	3693	3906	4084	4226	4330	4396	4427	4426
35	0.76	19.7	123	378	746	1171	1608	2096	2470	2820	3111	3368	3583	3759	3902	4010	4079	4117	4122
40	1.35	24.9	137	373	720	1123	1495	1937	2295	2628	2898	3137	3334	3497	3627	3723	3783	3814	3813
45	0.94	15.9	82.5	261	541	869	1232	1635	1958	2319	2581	2816	3014	3174	3305	3404	3466	3504	3509
50	1.17	19.2	83.9	240	486	796	1108	1465	1792	2123	2362	2581	2762	2909	3028	3116	3169	3201	3200
55	1.03	11.9	51.6	159	346	572	836	1130	1381	1684	1899	2092	2267	2401	2509	2594	2644	2679	2680
60	1.11	13.2	52.8	139	285	472	669	895	1111	1335	1518	1676	1828	1942	2029	2097	2136	2162	2159
65	1.04	7.67	30.2	74.2	164	280	421	582	737	915	1066	1198	1341	1441	1514	1579	1611	1640	1637
70	1.05	7.15	21.6	38.2	83.1	148	229	325	431	547	674	771	894	975	1030	1078	1103	1123	1117
75	1.05	4.44	14.8	24.1	54.8	101	160	231	311	398	487	563	659	721	763	804	822	841	837
80	1.05	4.10	11.3	19.6	42.1	74.4	115	163	216	274	338	386	448	488	516	540	552	562	559
85	1.06	2.19	5.65	8.73	19.0	34.3	54.1	77.6	104	134	163	188	220	241	255	269	275	281	280
90	1.06	1.06	1.06	1.06	1.06	1.06	1.07	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10

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-100WATT-6500K

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:230.46V I:0.4480A P:101.32W PF:0.9813 Freq:50.01Hz Lamp Flux:14413.4x1 lm		
NAME: PTL	TYPE:OUTDOOR	WEIGHT:4kg
SPEC.:100 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	10.9	11.1	11.2	11.3	11.5	11.6	11.8	12.0	12.2	12.0	11.6	11.4	11.6	12.1	13.1	14.1	13.8	11.5	
-85	289	283	277	264	251	231	205	180	149	126	100	76.0	54.4	38.2	26.5	19.8	16.6	11.8	
-80	566	550	538	508	484	442	384	339	278	228	178	130	90.1	58.4	36.3	24.4	17.4	10.7	
-75	846	827	808	768	730	669	592	515	421	353	277	205	140	90.6	53.8	31.5	21.7	11.8	
-70	1121	1089	1065	1005	956	872	756	667	543	444	345	249	169	105	59.4	34.7	21.0	9.92	
-65	1632	1601	1565	1499	1429	1328	1205	1075	920	783	618	473	330	209	116	53.0	25.0	11.4	
-60	2134	2093	2043	1959	1868	1744	1587	1435	1249	1044	831	623	437	268	141	55.7	22.2	8.85	
-55	2646	2606	2548	2457	2349	2210	2042	1858	1644	1415	1123	879	624	394	212	84.3	26.5	10.6	
-50	3147	3096	3021	2913	2779	2616	2418	2202	1955	1645	1317	996	706	432	223	76.7	23.5	7.78	
-45	3458	3411	3339	3232	3096	2931	2733	2508	2250	1962	1599	1259	922	593	322	128	29.6	9.44	
-40	3756	3702	3619	3501	3351	3173	2958	2714	2436	2116	1755	1345	999	632	330	120	24.1	6.03	
-35	4067	4018	3938	3823	3671	3490	3276	3026	2736	2426	2046	1612	1223	805	447	183	34.3	7.88	
-30	4365	4307	4217	4088	3923	3729	3498	3226	2918	2586	2192	1695	1292	831	436	163	24.8	4.29	
-25	4561	4507	4418	4296	4135	3942	3711	3442	3133	2796	2407	1942	1466	979	556	226	39.0	6.30	
-20	4742	4675	4576	4444	4275	4069	3823	3540	3220	2861	2461	1959	1470	960	523	190	25.0	2.90	
-15	4822	4765	4670	4543	4378	4178	3939	3662	3346	2990	2597	2143	1596	1081	621	252	46.4	4.89	
-10	4886	4821	4719	4581	4406	4198	3951	3664	3336	2973	2564	2079	1538	1010	557	208	31.5	1.86	
-5	4966	4910	4814	4682	4510	4307	4069	3786	3463	3102	2700	2239	1670	1151	657	273	56.5	3.70	
0	5030	4967	4862	4719	4536	4327	4080	3787	3452	3085	2666	2200	1607	1061	590	225	37.9	0.83	
5	4971	4915	4818	4686	4512	4309	4071	3787	3463	3102	2700	2236	1668	1149	655	271	58.7	2.93	
10	4896	4831	4728	4588	4410	4201	3955	3665	3337	2973	2562	2070	1534	1006	551	204	35.1	0.49	
15	4837	4779	4684	4553	4386	4183	3944	3665	3347	2992	2595	2134	1590	1075	615	247	52.8	2.56	
20	4762	4695	4594	4457	4284	4075	3829	3544	3221	2862	2458	1941	1462	951	512	182	32.4	0.16	
25	4589	4533	4442	4317	4153	3957	3723	3452	3140	2801	2408	1931	1458	967	543	218	46.5	2.59	
30	4401	4339	4246	4115	3948	3751	3515	3241	2930	2593	2193	1688	1274	816	417	157	28.4	0.00	
35	4102	4050	3967	3850	3696	3513	3293	3040	2746	2427	2046	1597	1211	789	427	173	38.1	2.76	
40	3789	3732	3647	3527	3375	3194	2975	2727	2444	2105	1751	1332	977	611	309	115	22.7	0.00	
45	3490	3440	3367	3259	3120	2953	2750	2521	2258	1951	1592	1233	904	572	300	120	28.0	2.69	
50	3177	3124	3049	2939	2802	2637	2435	2213	1958	1617	1308	976	680	407	201	73.0	16.9	0.00	
55	2668	2624	2566	2474	2363	2222	2045	1859	1642	1391	1107	848	602	372	191	76.8	20.3	2.44	
60	2147	2105	2052	1967	1871	1745	1578	1423	1236	1012	807	597	413	246	123	48.5	13.0	0.07	
65	1635	1602	1564	1497	1423	1319	1177	1054	899	750	591	441	308	188	98.5	43.5	15.0	2.00	
70	1116	1085	1055	996	940	854	720	634	513	406	307	219	146	86.0	45.4	24.0	9.04	0.42	
75	839	819	798	757	716	652	558	490	396	322	250	179	121	72.5	39.5	20.5	9.56	1.61	
80	559	543	528	499	471	428	361	318	257	204	154	110	73.7	43.5	23.3	12.6	5.07	0.75	
85	280	274	267	253	239	218	187	164	133	108	84.0	60.4	40.9	24.9	13.9	7.56	3.92	1.26	
90	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.09	

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-100WATT-6500K