

Floodlight Summary:

Report based on lamp delivering 1000 lumens.

Maximum Intensity	854.8 cd per klm.
(Luminaire orientation as tested.)	0.0 degrees vertical
	0.0 degrees horizontal

Beam Spread	At 10% of Imax	122.7V x 116.5H
	At 50% of Imax	54.7V x 53.7H
	At 90% of Imax	12.0V x 18.9H

Beam Flux	Total	999.4 lumens per klm.
	To 10% of Imax	935.1 lumens per klm.
	To 50% of Imax	388.6 lumens per klm.
	To 90% of Imax	36.8 lumens per klm.

Upward LOR	0.0 %
Downward LOR	99.9 %

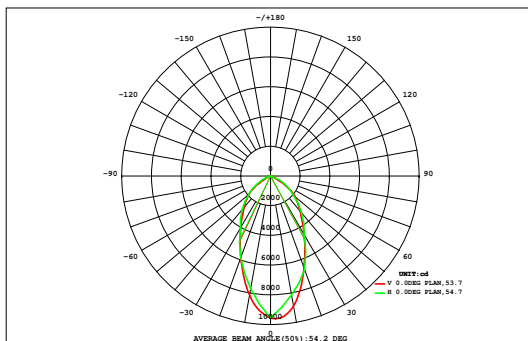
Luminaire Efficiency (Light Output Ratio)	100.0 %
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H(β) Range:-90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature: 20DEG
Operators: LITPA
Test Date: 02.03.2021

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-60°-6500K

LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:230.46V I:0.3449A P:77.014W PF:0.9689 Freq:50.01Hz Lamp Flux:11229.5x1 lm		
NAME: PTL	TYPE:OUTDOOR	WEIGHT:4kg
SPEC.:75 WATT	DIM.: 370X370X80	SERIAL No.:
MFR.: LITPA AYDINLATMA	SUR.:	Shielding Angle:



DATA OF LAMP		Eff:145.81lm/W	
MODEL	PTL	Imax (cd)	9599
NOMINAL POWER (W)	100	AVAILABILITY (%)	93.9
RATED VOLTAGE (V)	230.0	Avai. FLUX (lm)	10548
NOMINAL FLUX (lm)	11229.5	LOR (%)	100.0
LAMPS INSIDE	1	TOTAL FLUX (lm)	11230
TEST VOLTAGE (V)	230	θ @50% (H,V)	54,55DEG

VERTICAL (DEG)	AREA FLUX DIAGRAM																UNIT:lm		Φ t	Φ a
	0.00	0.02	0.09	0.22	0.38	0.62	0.82	0.93	0.93	0.93	0.94	0.83	0.62	0.39	0.23	0.10	0.02	0.00	8.05	0.00
90	0.01	0.08	0.35	0.87	1.53	2.46	3.27	3.68	3.67	3.70	3.72	3.27	2.45	1.52	0.88	0.36	0.08	0.01	31.9	0.00
80	0.01	0.16	0.72	1.76	3.41	7.08	11.1	13.9	15.0	15.0	13.7	10.9	6.93	3.44	1.76	0.73	0.17	0.01	106	5.66
70	0.02	0.34	1.39	3.26	7.19	18.0	30.6	39.7	44.3	43.9	38.6	29.0	16.8	7.05	3.19	1.35	0.33	0.02	285	214
60	0.03	0.49	1.99	5.71	14.9	31.8	50.5	65.0	72.8	72.2	63.1	47.8	29.5	14.2	5.62	1.93	0.48	0.03	478	432
50	0.04	0.64	2.55	10.6	31.1	53.0	74.9	94.4	106	105	91.9	71.7	50.0	28.8	9.94	2.51	0.63	0.04	734	707
40	0.05	0.78	3.16	16.2	44.0	70.4	98.8	127	146	144	123	94.5	66.5	40.2	14.6	3.13	0.75	0.05	993	973
30	0.05	0.87	3.84	22.3	50.4	81.0	121	168	201	197	160	114	75.8	46.4	19.5	3.71	0.82	0.05	1267	1249
20	0.06	0.90	4.34	24.9	53.3	88.4	139	206	257	249	193	130	82.2	49.5	22.2	4.22	0.87	0.06	1505	1489
10	0.06	0.92	4.56	25.8	54.4	91.0	146	220	275	266	204	134	84.2	50.6	23.2	4.33	0.89	0.06	1585	1569
0	0.06	0.88	4.00	22.6	50.3	82.5	127	181	221	215	169	117	76.3	46.5	19.9	3.75	0.84	0.06	1337	1320
-10	0.05	0.83	3.44	18.5	45.0	72.9	107	144	170	167	136	99.7	67.8	41.7	16.1	3.24	0.79	0.05	1096	1076
-20	0.04	0.70	2.68	11.9	33.7	56.0	79.7	101	113	112	97.0	75.4	52.8	31.1	10.5	2.65	0.68	0.04	781	756
-30	0.04	0.56	2.14	7.07	18.5	37.4	56.6	71.5	79.6	78.4	68.8	53.4	34.4	16.8	6.26	2.08	0.54	0.04	534	492
-40	0.03	0.42	1.57	3.21	7.86	21.6	34.5	42.5	46.0	45.4	41.1	32.6	19.2	6.89	3.14	1.52	0.40	0.04	308	250
-50	0.03	0.27	0.97	2.21	4.81	10.2	15.1	18.3	19.6	19.4	17.8	14.3	9.16	4.32	2.16	0.95	0.27	0.04	140	14.9
-60	0.03	0.16	0.49	1.07	1.58	1.89	2.29	2.53	2.52	2.51	2.55	2.35	1.99	1.58	1.06	0.49	0.16	0.04	25.3	0.00
-70	0.03	0.11	0.26	0.51	0.81	1.18	1.50	1.69	1.71	1.71	1.69	1.50	1.18	0.79	0.50	0.27	0.11	0.03	15.6	0.00
-80	0.03	0.11	0.26	0.51	0.81	1.18	1.50	1.69	1.71	1.71	1.69	1.50	1.18	0.79	0.50	0.27	0.11	0.03	15.6	0.00
-90	0.03	0.11	0.26	0.51	0.81	1.18	1.50	1.69	1.71	1.71	1.69	1.50	1.18	0.79	0.50	0.27	0.11	0.03	15.6	0.00
HORIZONTAL (DEG)																				
Φ t	0.63	9.13	38.6	179	423	727	1101	1501	1776	1738	1426	1032	678	392	161	37.3	8.86	0.66	11230	---
Φ a	0.00	0.00	0.00	115	374	671	1058	1463	1742	1701	1386	988	619	341	90.2	0.00	0.00	0.00	---	10548

one-half-peak spread: U:28.9,D:26.3 , L:26.7,R:27.6

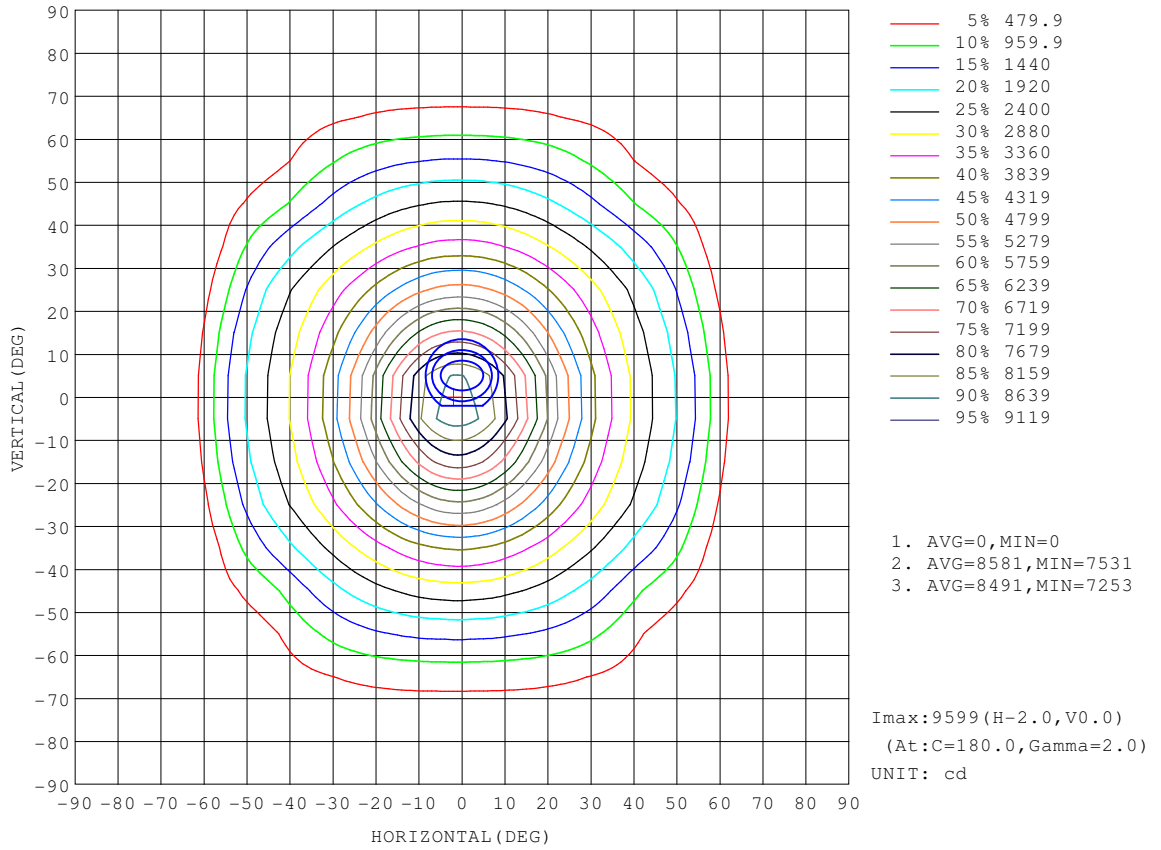
NEMA Beam Type: Type 6

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-60°-6500K

ISOCANDELA DIAGRAM

Test:U:230.46V I:0.3449A P:77.014W PF:0.9689 Freq:50.01Hz Lamp Flux:11229.5x1 lm		
NAME: PTL	TYPE:OUTDOOR	WEIGHT:4kg
SPEC.:75 WATT	DIM.: 370X370X80	SERIAL No.:
MFR.: LITPA AYDINLATMA	SUR.:	Shielding Angle:

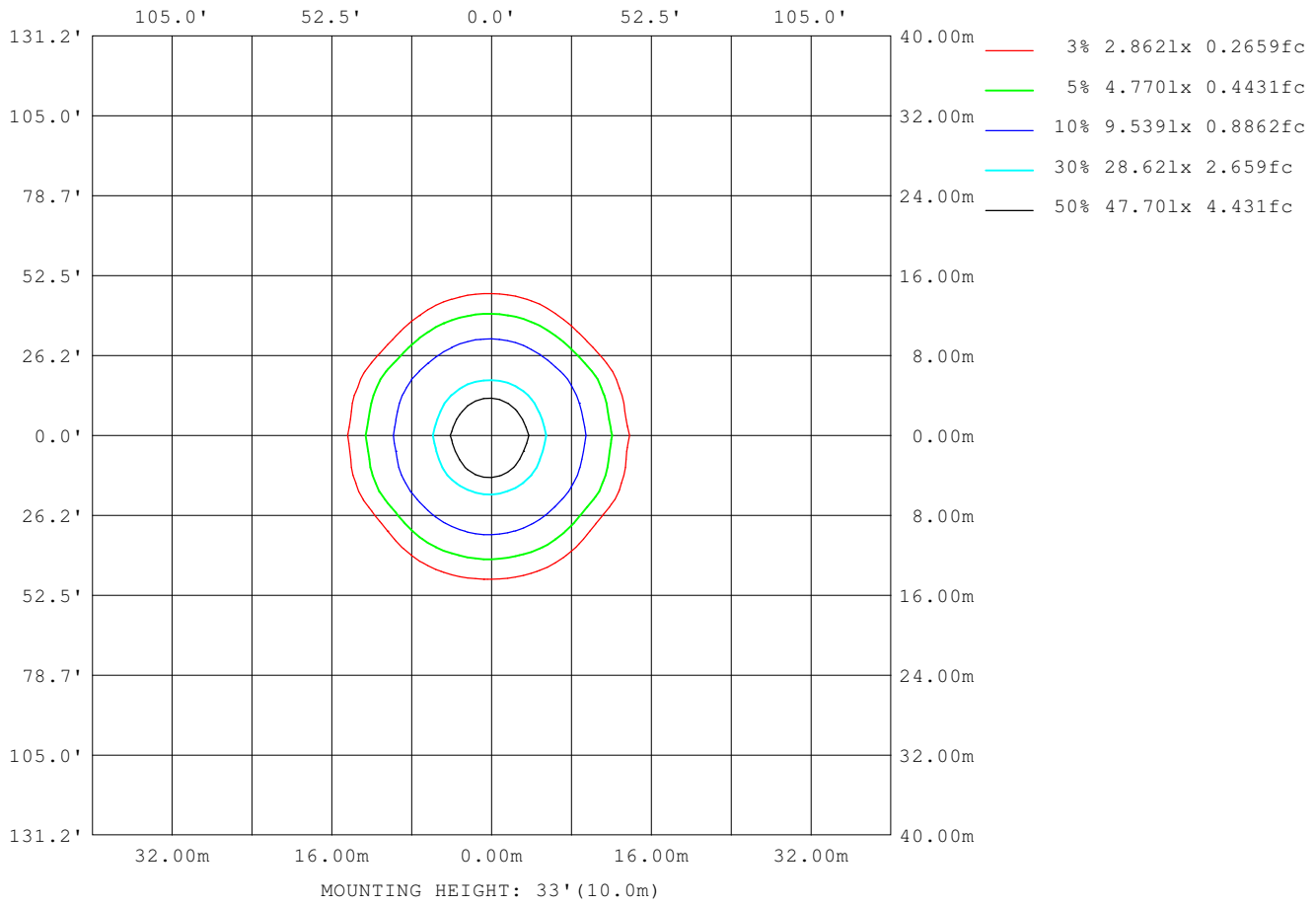


H(β) Range:-90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:20DEG
Operators:LITPA
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V(B) Interval: 5.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.400
Humidity:65.0%
Test Distance:7.200m [K=1.0000]
Remarks: PTL-75WATT-60°-6500K

ISOLUX DIAGRAM

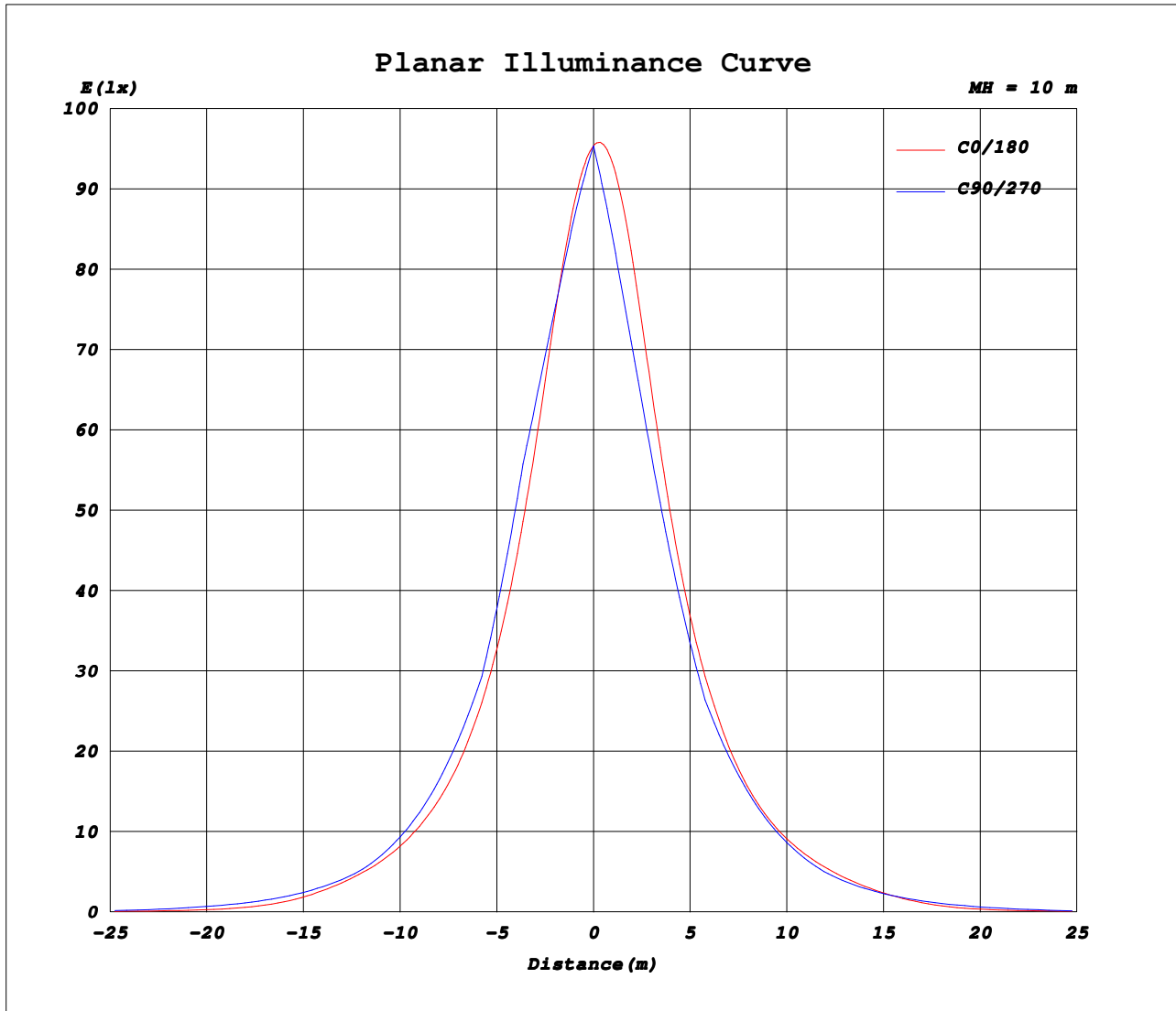
Test:U:230.46V I:0.3449A P:77.014W PF:0.9689 Freq:50.01Hz Lamp Flux:11229.5x1 lm		
NAME: PTL	TYPE:OUTDOOR	WEIGHT:4kg
SPEC.:75 WATT	DIM.: 370X370X80	SERIAL No.:
MFR.: LITPA AYDINLATMA	SUR.:	Shielding Angle:



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-60°-6500K

Planar Illuminance Curve

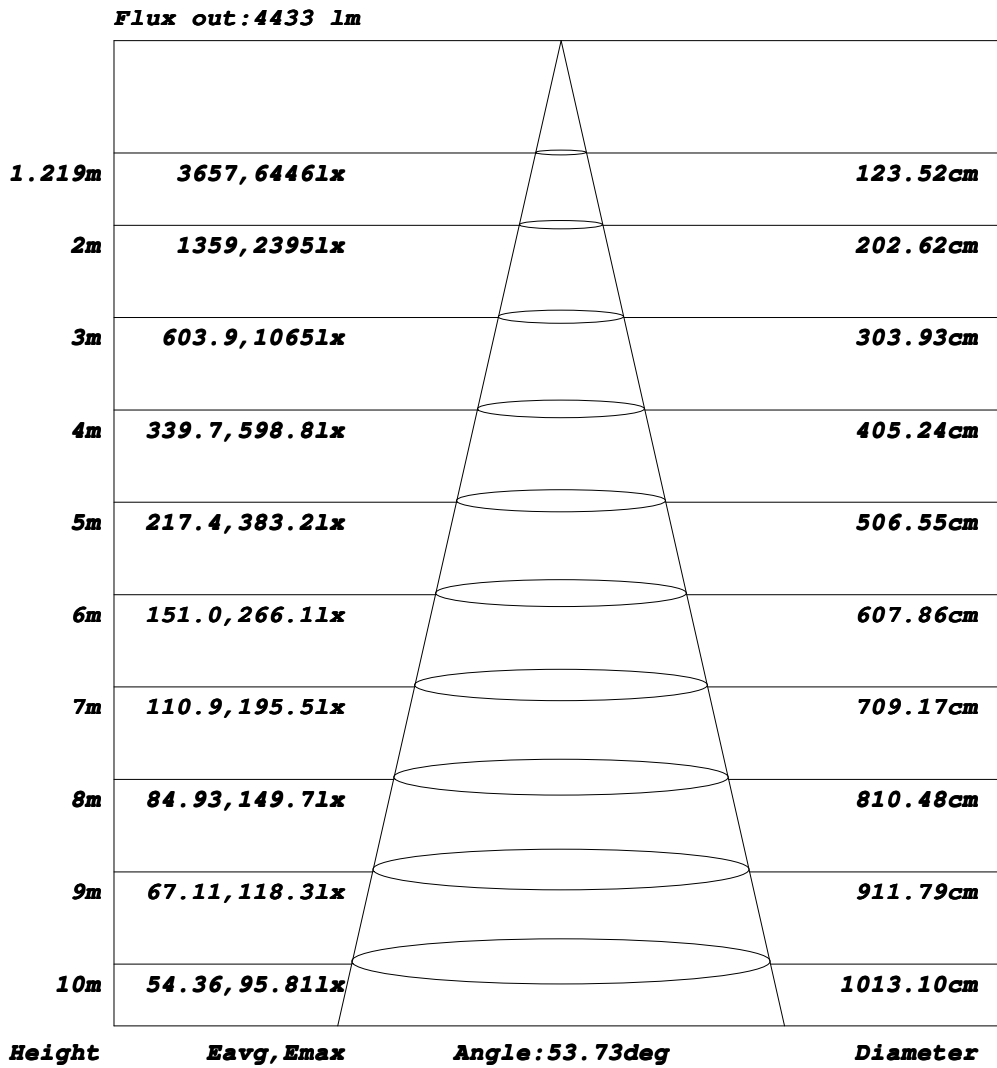


$H(\beta)$ Range: -90 - 90DEG
 $H(\beta)$ Interval: 1.0DEG
Test Speed: HIGH
Temperature: 20DEG
Operators: LITPA
Test Date: 02.03.2021

$V(\beta)$ 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-75WATT-60°-6500K

AAI Figure

Test:U:230.46V I:0.3449A P:77.014W PF:0.9689 Freq:50.01Hz Lamp Flux:11229.5x1 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-60°-6500K

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:230.46V I:0.3449A P:77.014W PF:0.9689 Freq:50.01Hz Lamp Flux:11229.5x1 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	11.4	12.0	11.3	10.5	9.74	9.69	9.69	9.85	10.2	10.4	10.5	10.6	10.7	10.7	10.8	10.9	10.9	10.8	10.8
-85	10.9	11.9	12.2	13.4	15.8	19.3	23.5	28.1	32.4	36.3	41.3	46.4	50.6	54.1	56.5	57.6	57.6	56.6	55.9
-80	10.5	12.1	13.3	17.1	23.1	30.4	39.1	48.2	56.0	63.8	74.6	83.9	92.1	98.7	103	104	104	102	101
-75	10.0	11.7	13.8	18.8	27.8	38.5	51.0	64.6	76.8	88.3	103	118	131	141	148	151	151	148	146
-70	9.66	12.3	15.4	23.7	36.5	51.1	68.6	86.6	102	117	139	157	173	187	195	198	197	193	191
-65	8.44	10.8	16.2	29.6	48.2	69.8	94.7	122	150	202	293	392	476	540	588	621	641	647	649
-60	7.57	10.9	20.9	42.4	68.2	97.9	131	168	211	317	489	663	807	916	998	1053	1091	1102	1105
-55	6.25	9.25	19.3	45.8	76.9	113	154	199	251	377	612	869	1087	1253	1378	1466	1529	1553	1566
-50	5.48	9.46	26.4	61.0	99.9	145	194	250	320	517	839	1169	1441	1645	1801	1908	1985	2012	2019
-45	4.40	7.86	24.2	61.8	103	154	219	358	560	805	1129	1466	1771	2029	2244	2417	2551	2623	2650
-40	3.98	8.92	35.6	78.5	126	187	280	547	884	1212	1554	1893	2211	2506	2765	2988	3157	3252	3268
-35	2.89	6.67	31.1	77.5	127	192	287	600	1079	1485	1845	2185	2528	2870	3186	3473	3708	3857	3900
-30	2.49	8.38	44.8	96.0	152	229	366	844	1449	1908	2270	2616	2981	3367	3730	4069	4330	4493	4517
-25	1.67	5.93	38.2	91.6	149	229	403	933	1547	2019	2416	2821	3273	3768	4278	4787	5231	5542	5632
-20	1.54	9.24	52.5	110	173	272	587	1283	1856	2293	2715	3198	3760	4373	5034	5703	6284	6665	6722
-15	0.96	6.13	42.5	99.4	161	254	533	1222	1827	2283	2718	3223	3820	4500	5264	6072	6808	7316	7449
-10	1.05	10.5	54.2	114	178	295	707	1435	1996	2439	2906	3473	4143	4922	5816	6758	7588	8086	8131
-5	0.48	6.83	43.9	103	165	271	628	1374	1969	2424	2897	3475	4182	5011	5992	7074	8071	8725	8870
0	0.56	11.8	56.0	117	182	319	827	1586	2136	2586	3097	3747	4525	5472	6598	7813	8892	9507	9539
5	0.21	7.12	43.3	102	164	271	620	1358	1957	2416	2887	3452	4141	4947	5895	6937	7894	8513	8650
10	0.49	11.2	53.0	111	176	293	685	1403	1975	2425	2883	3422	4050	4783	5608	6466	7219	7653	7694
15	0.15	6.99	40.8	96.2	158	252	507	1172	1792	2260	2689	3155	3696	4310	4973	5662	6277	6679	6788
20	0.43	10.6	49.9	105	170	266	542	1219	1814	2265	2668	3098	3574	4094	4618	5120	5546	5798	5848
25	0.11	6.26	35.5	86.3	145	224	376	856	1473	1969	2375	2748	3141	3552	3963	4356	4684	4902	4965
30	0.45	8.53	40.5	89.6	148	222	336	743	1352	1844	2230	2552	2873	3173	3471	3737	3936	4053	4071
35	0.11	5.04	27.7	70.7	121	185	269	530	995	1412	1769	2090	2402	2690	2961	3202	3384	3506	3532
40	0.41	6.62	30.7	70.8	119	178	259	487	820	1129	1441	1753	2053	2317	2554	2752	2894	2980	2990
45	0.13	3.94	20.1	53.7	95.2	145	204	323	514	724	988	1292	1588	1843	2056	2231	2352	2436	2451
50	0.36	4.72	20.9	52.1	90.7	134	181	230	287	414	652	954	1233	1461	1636	1768	1852	1906	1908
55	0.17	2.89	13.4	36.5	67.0	102	141	182	225	308	476	702	922	1104	1244	1351	1418	1465	1473
60	0.32	3.28	13.1	32.2	57.3	85.0	117	149	184	255	384	544	691	810	901	967	1008	1033	1034
65	0.23	1.88	7.53	19.2	36.7	56.4	80.0	104	127	164	233	321	405	473	525	562	583	596	598
70	0.27	1.85	5.28	12.3	24.0	36.0	52.7	68.4	81.1	95.0	116	134	149	160	166	167	164	161	160
75	0.26	1.09	3.52	7.93	16.2	25.2	37.2	49.1	59.0	69.2	83.6	98.1	110	119	124	126	124	121	120
80	0.26	1.06	2.77	6.30	12.1	18.1	26.5	34.3	40.7	47.7	58.1	67.0	74.6	80.1	83.2	83.8	82.3	80.4	80.3
85	0.26	0.54	1.34	2.82	5.56	8.59	12.6	16.5	19.9	23.2	28.1	32.9	36.7	39.8	41.5	42.1	41.5	40.5	40.2
90	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.27	0.29	0.29	0.29	0.29	0.29	0.29	0.29	0.29	0.29	0.29	0.28

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-60°-6500K

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:230.46V I:0.3449A P:77.014W PF:0.9689 Freq:50.01Hz Lamp Flux:11229.5x1 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	10.8	10.9	10.9	11.0	11.0	11.0	11.0	10.9	10.9	10.8	10.7	10.7	10.7	10.7	10.9	11.6	12.0	11.4	
-85	56.1	57.3	57.8	56.9	55.0	52.1	48.1	43.4	37.3	33.6	29.7	25.3	21.0	17.5	14.4	12.9	12.3	11.2	
-80	102	104	104	102	98.0	91.6	83.3	73.4	62.0	54.8	47.1	38.3	29.8	23.0	17.1	13.8	12.3	10.6	
-75	147	150	151	149	143	134	122	108	90.0	79.3	67.6	54.6	41.7	31.2	21.8	15.6	13.0	10.6	
-70	193	197	198	194	185	172	156	136	113	98.8	83.5	65.9	48.9	35.4	23.4	16.0	12.6	9.87	
-65	643	633	612	579	532	468	384	288	204	156	126	100	74.7	53.0	33.9	19.5	12.6	9.26	
-60	1092	1060	1016	948	855	734	574	402	271	198	160	124	90.9	62.3	38.0	18.9	10.9	7.77	
-55	1545	1504	1441	1347	1221	1054	834	581	380	263	206	162	120	82.9	50.9	24.6	11.1	7.17	
-50	1991	1923	1834	1702	1526	1296	993	667	429	298	236	182	133	89.2	52.6	21.9	9.22	5.67	
-45	2605	2510	2368	2188	1968	1716	1413	1079	795	566	369	234	165	111	67.9	31.6	10.1	5.30	
-40	3194	3042	2838	2592	2314	2024	1699	1366	1063	749	436	249	173	113	67.8	28.9	8.10	3.99	
-35	3823	3648	3394	3101	2775	2453	2121	1781	1450	1065	613	316	209	137	85.0	40.7	9.82	3.64	
-30	4397	4161	3842	3482	3103	2753	2406	2065	1697	1201	637	317	213	138	83.1	35.9	6.98	2.32	
-25	5476	5118	4639	4130	3615	3148	2720	2331	1948	1505	922	439	247	158	98.5	48.0	9.74	2.29	
-20	6439	5898	5233	4568	3931	3364	2875	2446	2040	1598	971	441	239	151	92.4	41.0	6.26	1.32	
-15	7186	6605	5839	5047	4300	3648	3091	2621	2194	1762	1189	573	276	168	106	51.9	10.7	1.49	
-10	7746	7027	6119	5213	4392	3691	3107	2621	2182	1734	1134	528	257	156	96.9	42.9	7.24	0.78	
-5	8518	7776	6775	5737	4795	3997	3343	2803	2342	1895	1350	678	301	174	111	54.2	12.5	0.91	
0	9052	8156	7004	5859	4854	4017	3339	2796	2323	1870	1296	615	274	162	101	44.7	8.23	0.24	
5	8317	7615	6657	5652	4744	3966	3326	2792	2332	1878	1332	670	299	173	110	53.4	12.8	0.59	
10	7358	6720	5899	5059	4299	3635	3076	2601	2160	1696	1102	515	252	154	94.8	41.3	7.72	0.19	
15	6585	6120	5485	4794	4146	3554	3040	2587	2164	1710	1135	549	268	164	103	49.4	11.7	0.53	
20	5664	5283	4795	4260	3744	3253	2813	2406	1997	1522	908	415	231	146	88.1	37.8	7.20	0.14	
25	4866	4617	4266	3857	3446	3042	2659	2281	1884	1413	850	409	236	151	92.7	44.0	10.4	0.53	
30	3991	3819	3579	3291	2982	2675	2352	2005	1601	1089	579	296	201	130	76.7	31.8	6.21	0.02	
35	3483	3351	3153	2903	2626	2336	2033	1708	1366	969	554	291	195	129	77.3	35.5	8.48	0.54	
40	2935	2811	2632	2409	2153	1880	1584	1280	984	678	396	230	160	104	59.8	24.0	4.85	0.05	
45	2420	2332	2191	2009	1788	1537	1258	971	721	510	333	212	150	100	58.7	25.4	6.05	0.51	
50	1879	1804	1684	1527	1325	1086	816	555	368	266	213	163	118	77.5	43.0	16.2	3.49	0.08	
55	1457	1409	1325	1213	1066	890	686	480	322	231	184	143	105	70.6	40.4	16.7	4.22	0.45	
60	1021	986	927	846	741	615	472	332	230	172	139	106	76.2	49.7	27.2	10.6	2.61	0.15	
65	594	581	555	515	461	395	317	236	170	131	107	82.7	59.3	39.9	22.3	9.46	2.98	0.36	
70	163	168	169	165	157	145	129	108	91.3	78.3	65.3	49.5	34.1	22.0	11.4	5.02	1.73	0.23	
75	121	125	127	125	119	111	99.1	85.2	70.5	60.6	51.5	39.6	27.5	18.4	9.99	4.46	1.84	0.31	
80	81.7	84.2	84.6	82.8	78.7	72.5	64.6	54.3	45.8	39.3	32.8	24.9	17.2	11.1	5.85	2.65	1.00	0.25	
85	40.7	42.0	42.5	41.8	40.0	37.2	33.2	28.6	23.7	20.4	17.4	13.4	9.35	6.34	3.52	1.67	0.80	0.28	
90	0.28	0.28	0.28	0.29	0.29	0.29	0.29	0.29	0.29	0.29	0.29	0.29	0.29	0.28	0.28	0.28	0.28	0.26	

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-60°-6500K