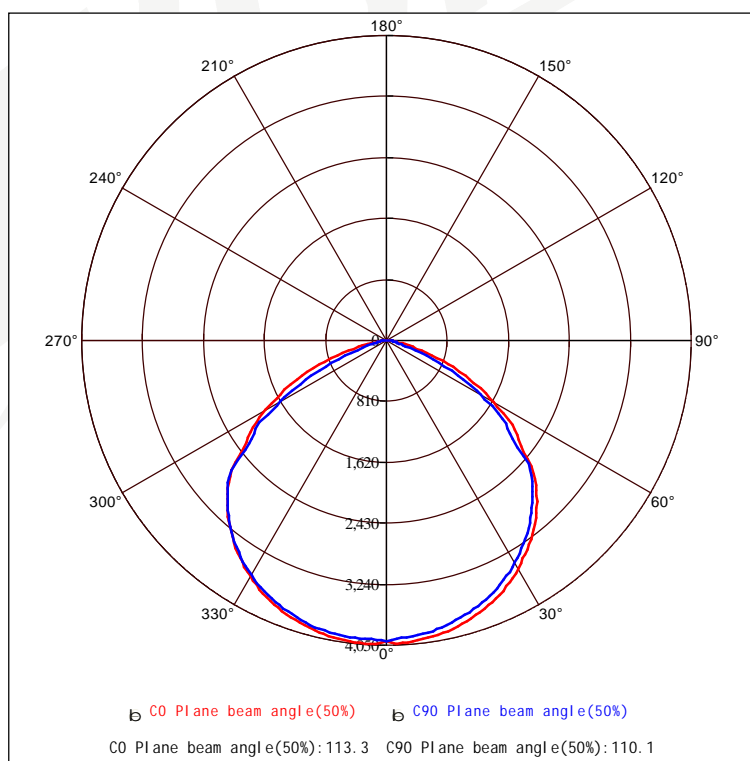


LED FLOOD LIGHT

Measured Para U: 215.5V I: 635.0mA P: 92.70W PF: 0.677 Test LM: 10973.34lm						
Lamp Name: LPFL-100A01			Lamp Type: CLASS I		Weight(kg):	
Lamp ID:			Lamp Spec: LPFL-100A01		Shape Size:	
Manufactory: LIPER			Sur(m^2):		Protect Angle(Deg):	
Light Source Data			Photometric Data			
Model	LPFL-100A01		Peak Value(cd)	4043.6	Effi ciency(lm/w)	118.4
Nominal P(w)		1.0	Position	180.0, 1.0	UP(C0-C180)	0.0
Rated Volt(v)		220.0	Total Flux(lm)	10973.338	Down(C0-C180)	50.4
Rated Flux(lm)		1.0	Up Flux Rate(%)	0.0	UP(C180-C360)	0.0
Illuminant QTY		1	Dw Flux Rate(%)	100.0	Down(C180-C360)	49.6

Planar Intensity Distribution Curve



Gama Angle Range: -90 - 90(Deg)

Gama interval(Deg): 1

Temperature(Deg): 25

Tester: zxcg

Distance(m): 7.070

Test System: ZWL Goniophotometer System V3.0

C Angle Range: 0 - 180(Deg)

C interval(Deg): 45

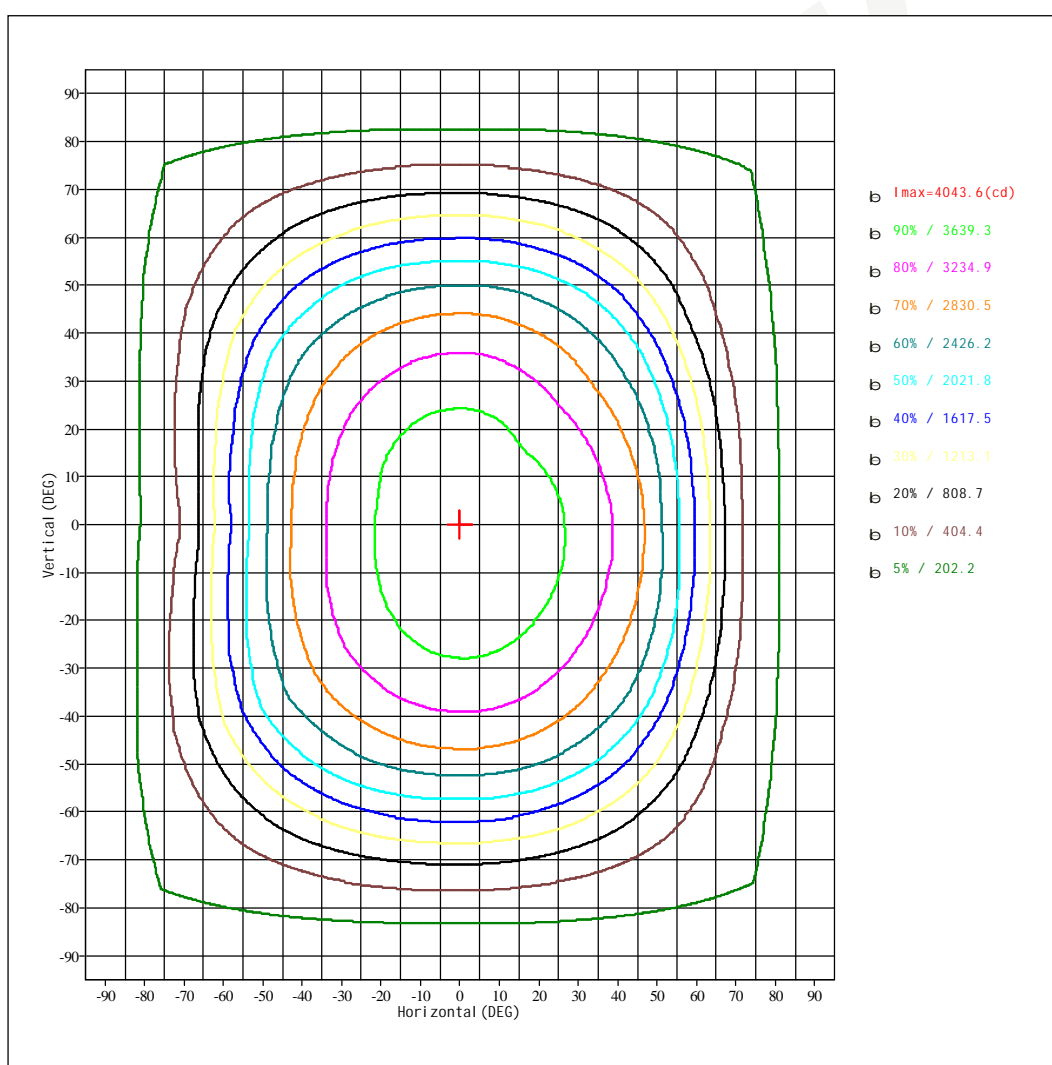
Humidity(%): 60

Date: 2019-10-25

Remark:

Measured Para U: 215.5V I: 635.0mA P: 92.70W PF: 0.677 Test LM: 10973.34lm		
Lamp Name: LPFL-100A01	Lamp Type: CLASS I	Weight(kg):
Lamp ID:	Lamp Spec: LPFL-100A01	Shape Si ze:
Manufactory: LIPER	Sur(m^2):	Protect Angle(Deg):

Planar IsoCandela Curve



Gama Angle Range: -90 - 90(Deg)

Gama interval (Deg): 1

Temperature(Deg): 25

Tester: zxcg

Distance(m): 7.070

Test System: ZWL Goniophotometer System V3.0

C Angle Range: 0 - 180(Deg)

C interval (Deg): 45

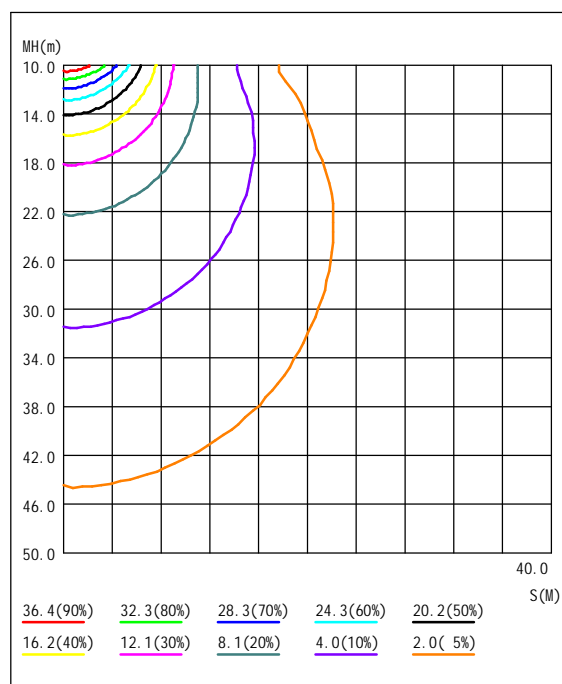
Humidity(%): 60

Date: 2019-10-25

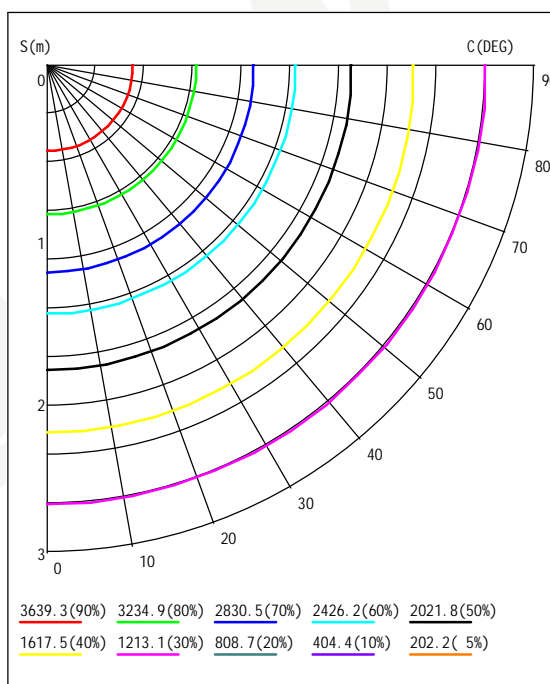
Remark:

Measured Para U: 215.5V I: 635.0mA P: 92.70W PF: 0.677 Test LM: 10973.34lm		
Lamp Name: LPFL-100A01	Lamp Type: CLASS I	Weight(kg):
Lamp ID:	Lamp Spec: LPFL-100A01	Shape Si ze:
Manufactory: LIPER	Sur(m^2):	Protect Angle(Deg):

Spacial ISOLUX Curve



Planar ISOLUX Curve



Gama Angle Range: -90 - 90(Deg)

Gama interval (Deg): 1

Temperature(Deg): 25

Tester: zxcg

Distance(m): 7.070

Test System: ZWL Goniophotometer System V3.0

C Angle Range: 0 - 180(Deg)

C interval (Deg): 45

Humidity(%): 60

Date: 2019-10-25

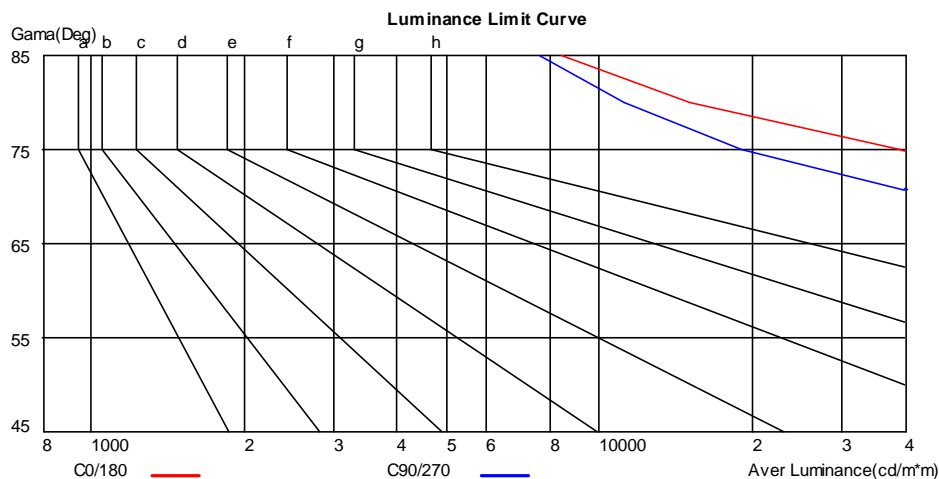
Remark:

Measured Para U: 215.5V I: 635.0mA P: 92.70W PF: 0.677 Test LM: 10973.34lm		
Lamp Name: LPFL-100A01	Lamp Type: CLASS I	Weight(kg):
Lamp ID:	Lamp Spec: LPFL-100A01	Shape Si ze:
Manufactory: LIPER	Sur(m^2):	Protect Angle(Deg):

Luminance Limit Curve

Aver Luminance(cd/m²)									
Gm(Deg)	45	50	55	60	65	70	75	80	85
C0	278699.3	240574.8	205192.0	160267.1	118308.8	74657.4	39184.2	15051.0	8418.5
C90	271954.8	232611.2	190013.6	140787.5	90479.2	44886.9	19077.2	11165.1	7620.2

Glare									
Glare	Class	Illuminance(lx)							
1.15	A	2000	1000	500	<=300				
1.5	B		2000	1000	500	<=300			
1.85	C			2000	1000	500	<=300		
2.2	D				2000	1000	500	<=300	
2.55	E					2000	1000	500	<=300
		a	b	c	d	e	f	g	h



Gama Angle Range: -90 - 90(Deg)

Gama interval (Deg): 1

Temperature(Deg): 25

Tester: zyg

Distance(m): 7.070

Test System: ZWL Goniophotometer System V3.0

C Angle Range: 0 - 180(Deg)

C interval (Deg): 45

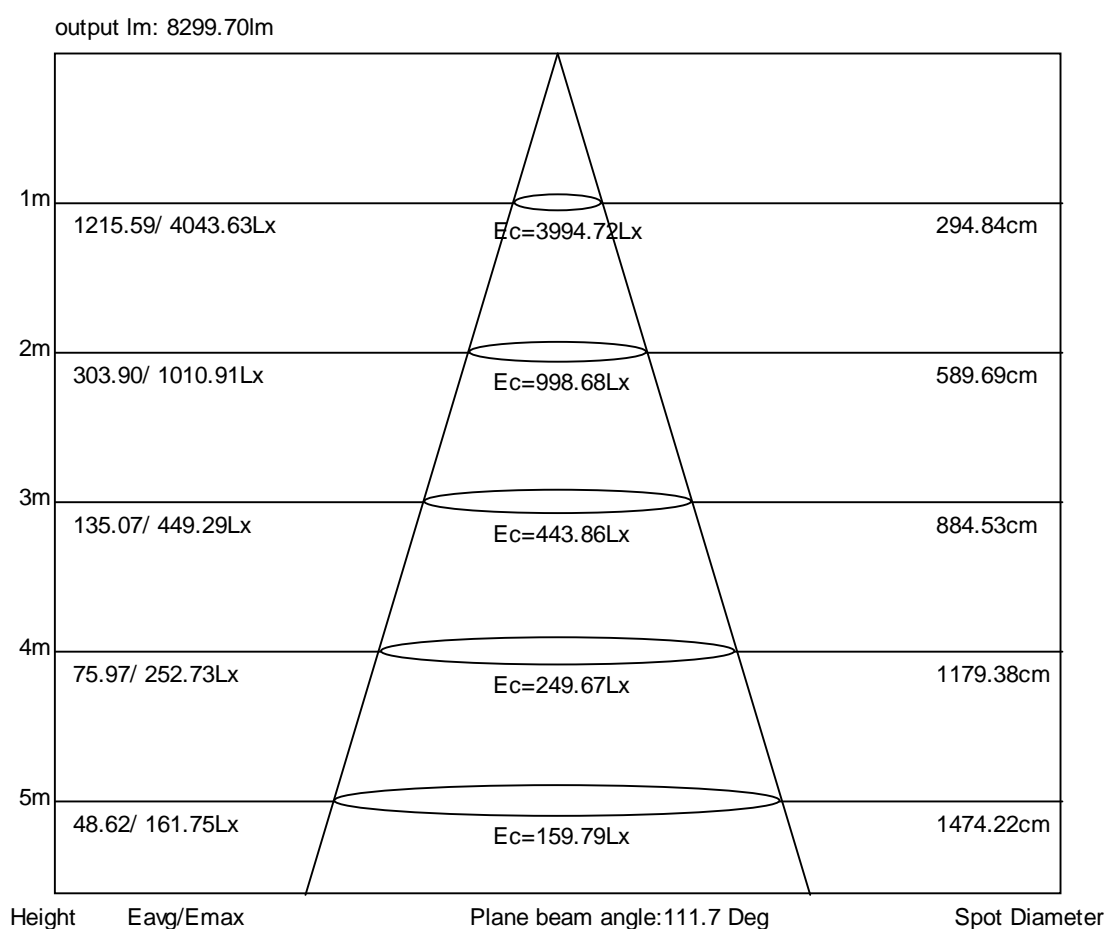
Humidity(%): 60

Date: 2019-10-25

Remark:

Measured Para U: 215.5V I: 635.0mA P: 92.70W PF: 0.677 Test LM: 10973.34lm		
Lamp Name: LPFL-100A01	Lamp Type: CLASS I	Weight(kg):
Lamp ID:	Lamp Spec: LPFL-100A01	Shape Si ze:
Manufactory: LIPER	Sur(m^2):	Protect Angle(Deg):

Average Illumination



Gama Angle Range: -90 - 90(Deg)

Gama interval (Deg): 1

Temperature(Deg): 25

Tester: zxcg

Distance(m): 7.070

Test System: ZWL Goniophotometer System V3.0

C Angle Range: 0 - 180(Deg)

C interval (Deg): 45

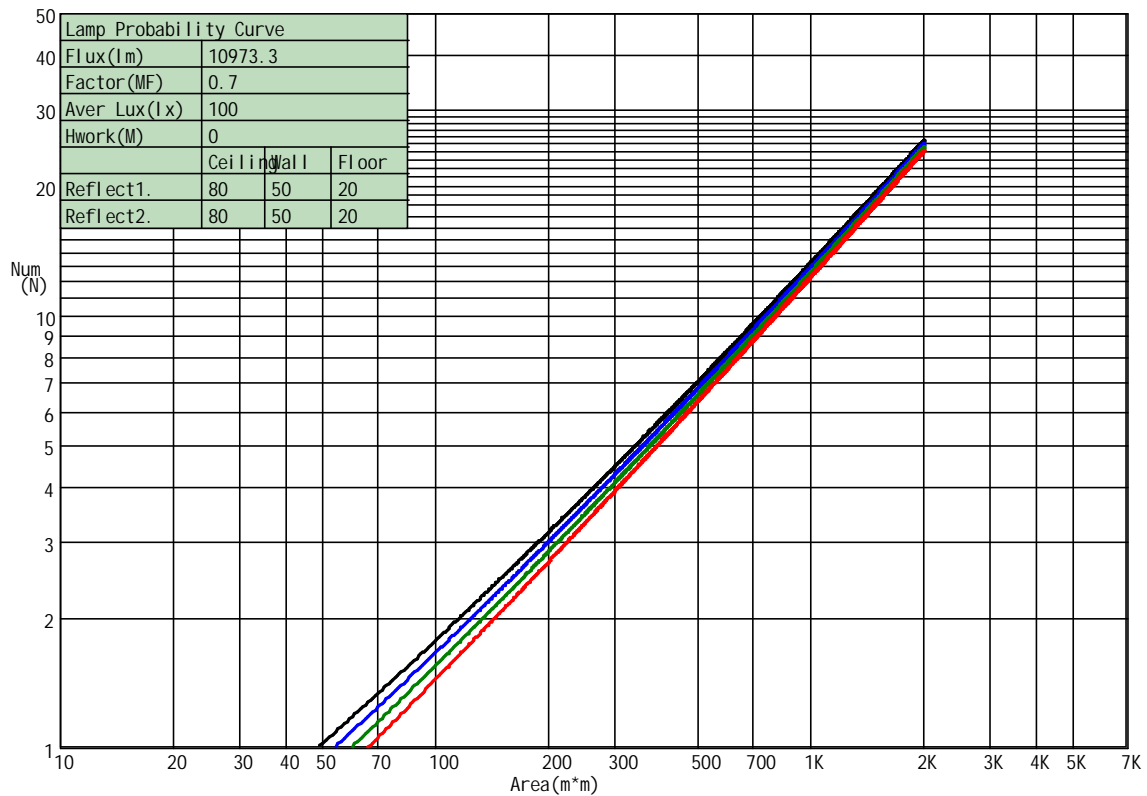
Humidity(%): 60

Date: 2019-10-25

Remark:

Measured Para U: 215.5V I: 635.0mA P: 92.70W PF: 0.677 Test LM: 10973.34lm		
Lamp Name: LPFL-100A01	Lamp Type: CLASS I	Weight(kg):
Lamp ID:	Lamp Spec: LPFL-100A01	Shape Si ze:
Manufactory: LIPER	Sur(m^2):	Protect Angle(Deg):

Lamp Probability Curve



Gama Angle Range: -90 - 90(Deg)

Gama interval (Deg): 1

Temperature(Deg): 25

Tester: zxcg

Distance(m): 7.070

Test System: ZWL Goniophotometer System V3.0

C Angle Range: 0 - 180(Deg)

C interval (Deg): 45

Humidity(%): 60

Date: 2019-10-25

Remark:

Measured Para U: 215.5V I: 635.0mA P: 92.70W PF: 0.677 Test LM: 10973.34lm		
Lamp Name: LPFL-100A01	Lamp Type: CLASS I	Weight(kg):
Lamp ID:	Lamp Spec: LPFL-100A01	Shape Si ze:
Manufactory: LIPER	Sur(m^2):	Protect Angle(Deg):

UF Table

Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5
Wall	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3
Floor	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
0.60	54	39	30	52	39	30	49	37	30
0.80	58	42	31	56	41	31	52	39	30
1.00	61	44	32	58	43	32	54	40	30
1.25	63	46	33	61	44	32	55	41	30
1.50	65	47	33	62	45	32	56	41	30
2.00	68	48	33	64	46	32	57	42	30
2.50	69	49	33	65	46	31	57	42	29
3.00	70	50	33	65	47	31	57	42	28
4.00	71	50	33	66	47	31	58	42	28
5.00	72	51	33	67	48	31	58	42	27

CoEfficients Utilization

Ceiling(%)		0			0			0			0			0	
Wall (%)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Floor (%)		0			0			0			0			0	
0	1.19	1.19	1.19	1.16	1.16	1.16	1.11	1.11	1.11	1.06	1.06	1.06	1.02	1.02	1.02
1	1.06	1.02	0.98	1.03	1	0.97	0.99	0.96	0.94	0.95	0.93	0.91	0.92	0.9	0.88
2	0.93	0.86	0.81	0.91	0.85	0.8	0.87	0.83	0.78	0.84	0.8	0.77	0.81	0.78	0.75
3	0.82	0.74	0.68	0.8	0.73	0.67	0.77	0.71	0.66	0.75	0.69	0.65	0.72	0.68	0.64
4	0.73	0.64	0.58	0.71	0.64	0.57	0.69	0.62	0.57	0.67	0.61	0.56	0.64	0.59	0.55
5	0.65	0.56	0.5	0.64	0.56	0.5	0.62	0.55	0.49	0.6	0.54	0.49	0.58	0.52	0.48
6	0.59	0.5	0.44	0.58	0.49	0.43	0.56	0.48	0.43	0.54	0.48	0.43	0.53	0.47	0.42
7	0.53	0.44	0.38	0.52	0.44	0.38	0.51	0.43	0.38	0.49	0.43	0.38	0.48	0.42	0.37
8	0.48	0.4	0.34	0.48	0.4	0.34	0.46	0.39	0.34	0.45	0.39	0.34	0.44	0.38	0.34
9	0.44	0.36	0.31	0.44	0.36	0.31	0.43	0.36	0.31	0.42	0.35	0.3	0.41	0.35	0.3
10	0.41	0.33	0.28	0.4	0.33	0.28	0.39	0.32	0.28	0.38	0.32	0.28	0.38	0.32	0.27

Gama Angle Range: -90 - 90(Deg)

Gama interval (Deg): 1

Temperature(Deg): 25

Tester: zxcg

Distance(m): 7.070

Test System: ZWL Goniophotometer System V3.0

C Angle Range: 0 - 180(Deg)

C interval (Deg): 45

Humidity(%): 60

Date: 2019-10-25

Remark:

Measured Para U: 215.5V I: 635.0mA P: 92.70W PF: 0.677 Test LM: 10973.34lm		
Lamp Name: LPFL-100A01	Lamp Type: CLASS I	Weight(kg):
Lamp ID:	Lamp Spec: LPFL-100A01	Shape Si ze:
Manufactory: LIPER	Sur(m^2):	Protect Angle(Deg):

Wall Exitance CoEfficients

Ceiling(%)		0			0			0			0			0	
Wall (%)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Floor (%)		0			0			0			0			0	
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1	0.28	0.16	0.05	0.27	0.15	0.05	0.26	0.15	0.05	0.25	0.14	0.05	0.24	0.14	0.04
2	0.27	0.15	0.05	0.26	0.14	0.04	0.25	0.14	0.04	0.24	0.14	0.04	0.23	0.13	0.04
3	0.25	0.14	0.04	0.25	0.13	0.04	0.24	0.13	0.04	0.23	0.13	0.04	0.22	0.12	0.04
4	0.24	0.12	0.04	0.23	0.12	0.04	0.22	0.12	0.04	0.22	0.12	0.03	0.21	0.11	0.03
5	0.22	0.11	0.03	0.22	0.11	0.03	0.21	0.11	0.03	0.2	0.11	0.03	0.19	0.1	0.03
6	0.21	0.1	0.03	0.2	0.1	0.03	0.2	0.1	0.03	0.19	0.1	0.03	0.18	0.1	0.03
7	0.19	0.1	0.03	0.19	0.09	0.03	0.18	0.09	0.03	0.18	0.09	0.03	0.17	0.09	0.03
8	0.18	0.09	0.02	0.18	0.09	0.02	0.17	0.09	0.02	0.17	0.08	0.02	0.16	0.08	0.02
9	0.17	0.08	0.02	0.17	0.08	0.02	0.16	0.08	0.02	0.16	0.08	0.02	0.15	0.08	0.02
10	0.16	0.08	0.02	0.16	0.08	0.02	0.15	0.08	0.02	0.15	0.07	0.02	0.15	0.07	0.02

Ceiling Cavity Exitance CoEfficients

Ceiling(%)		0			0			0			0			0	
Wall (%)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Floor (%)		0			0			0			0			0	
0	0.19	0.19	0.19	0.16	0.16	0.16	0.11	0.11	0.11	0.06	0.06	0.06	0.02	0.02	0.02
1	0.18	0.16	0.14	0.15	0.13	0.12	0.1	0.09	0.08	0.06	0.05	0.05	0.02	0.02	0.02
2	0.17	0.13	0.1	0.14	0.11	0.09	0.1	0.08	0.06	0.06	0.05	0.04	0.02	0.01	0.01
3	0.16	0.11	0.08	0.14	0.1	0.07	0.09	0.07	0.05	0.05	0.04	0.03	0.02	0.01	0.01
4	0.15	0.1	0.06	0.13	0.09	0.05	0.09	0.06	0.04	0.05	0.04	0.02	0.02	0.01	0.01
5	0.15	0.09	0.05	0.13	0.08	0.04	0.09	0.05	0.03	0.05	0.03	0.02	0.02	0.01	0.01
6	0.14	0.08	0.04	0.12	0.07	0.03	0.08	0.05	0.02	0.05	0.03	0.01	0.02	0.01	0
7	0.13	0.07	0.03	0.11	0.06	0.03	0.08	0.05	0.02	0.05	0.03	0.01	0.01	0.01	0
8	0.13	0.07	0.03	0.11	0.06	0.03	0.08	0.04	0.02	0.04	0.02	0.01	0.01	0.01	0
9	0.12	0.06	0.03	0.1	0.06	0.02	0.07	0.04	0.02	0.04	0.02	0.01	0.01	0.01	0
10	0.12	0.06	0.02	0.1	0.05	0.02	0.07	0.04	0.01	0.04	0.02	0.01	0.01	0.01	0

Gama Angle Range: -90 - 90(Deg)

Gama interval (Deg): 1

Temperature(Deg): 25

Tester: zxcg

Distance(m): 7.070

Test System: ZWL Goniophotometer System V3.0

C Angle Range: 0 - 180(Deg)

C interval (Deg): 45

Humidity(%): 60

Date: 2019-10-25

Remark:

Measured Para U: 215.5V I: 635.0mA P: 92.70W PF: 0.677 Test LM: 10973.34lm		
Lamp Name: LPFL-100A01	Lamp Type: CLASS I	Weight(kg):
Lamp ID:	Lamp Spec: LPFL-100A01	Shape Size:
Manufactory: LIPER	Sur(m^2):	Protect Angle(Deg):

Ring-shaped Flux Data Table

Gm\C(Deg)	0	45	90	135	180	225	270	315	Range	Ring	T(lm)
5	4014	3981	3941	3937	4036	4009	3975	3929	0-5	95.3	95.3
10	3968	3921	3888	3913	4008	3979	3951	3887	5-10	283	379
15	3887	3855	3806	3856	3947	3920	3908	3817	10-15	464	842
20	3785	3749	3700	3772	3866	3833	3827	3718	15-20	631	1473
25	3652	3616	3560	3658	3750	3725	3716	3592	20-25	780	2253
30	3483	3454	3390	3517	3606	3573	3578	3427	25-30	907	3160
35	3286	3257	3198	3359	3427	3396	3405	3237	30-35	1005	4165
40	3062	3052	2969	3149	3213	3167	3202	3010	35-40	1072	5237
45	2787	2788	2720	2912	2964	2916	2964	2745	40-45	1102	6339
50	2406	2516	2326	2656	2638	2620	2626	2449	45-50	1091	7430
55	2052	1906	1900	2362	2206	2297	2123	2107	50-55	1008	8439
60	1603	1826	1408	2041	1780	1634	1591	1484	55-60	890	9329
65	1183	1279	905	1434	1340	1143	1050	971	60-65	693	10021
70	747	811	449	1000	900	668	547	557	65-70	474	10496
75	392	425	191	559	493	253	197	207	70-75	265	10761
80	151	181	112	223	183	96.4	109	84.1	75-80	122	10882
85	84.2	105	76.2	116	67.8	52.6	56.7	48.6	80-85	55.6	10938
90	73.3	71.6	69.9	74.8	45.1	44.6	40.5	41.5	85-90	35.3	10973
95									90-95		
100									95-100		
105									100-105		
110									105-110		
115									110-115		
120									115-120		
125									120-125		
130									125-130		
135									130-135		
140									135-140		
145									140-145		
150									145-150		
155									150-155		
160									155-160		
165									160-165		
170									165-170		
175									170-175		
180									175-180		

Gama Angle Range: -90 - 90(Deg)

Gama interval (Deg): 1

Temperature(Deg): 25

Tester: zxcg

Distance(m): 7.070

Test System: ZWL Goniophotometer System V3.0

C Angle Range: 0 - 180(Deg)

C interval (Deg): 45

Humidity(%): 60

Date: 2019-10-25

Remark:

Measured Para U: 215.5V I: 635.0mA P: 92.70W PF: 0.677 Test LM: 10973.34lm		
Lamp Name: LPFL-100A01	Lamp Type: CLASS I	Weight (kg):
Lamp ID:	Lamp Spec: LPFL-100A01	Shape Size:
Manufactory: LIPER	Sur(m^2):	Protect Angle(Deg):

CD Table

Gm\C(Deg)	0	20	40	60	80	100	120	140	160	180	200	220	240	260	280	300	320	340
5.0	4014	4000	3985	3968	3950	3940	3938	3948	3993	4036	4024	4012	3998	3982	3965	3944	3939	3977
10.0	3968	3947	3926	3910	3895	3894	3905	3923	3967	4008	3995	3982	3969	3957	3937	3908	3896	3932
15.0	3887	3873	3858	3839	3817	3817	3839	3866	3907	3947	3935	3923	3916	3911	3888	3847	3825	3856
20.0	3785	3769	3753	3733	3710	3715	3748	3782	3825	3866	3851	3837	3831	3828	3803	3754	3726	3756
25.0	3652	3637	3620	3598	3573	3582	3626	3668	3710	3750	3739	3727	3722	3718	3689	3633	3599	3626
30.0	3483	3470	3457	3433	3404	3418	3475	3527	3567	3606	3592	3577	3575	3577	3545	3476	3433	3458
35.0	3286	3273	3260	3237	3211	3233	3306	3366	3397	3427	3413	3399	3399	3403	3368	3292	3242	3265
40.0	3062	3057	3053	3025	2987	3009	3090	3156	3185	3213	3193	3172	3178	3194	3160	3073	3016	3039
45.0	2787	2787	2788	2766	2735	2762	2849	2918	2941	2964	2943	2921	2932	2953	2916	2817	2750	2769
50.0	2406	2454	2504	2454	2368	2398	2548	2654	2646	2638	2630	2622	2622	2624	2587	2507	2444	2425
55.0	2052	1988	1922	1904	1901	2001	2210	2345	2274	2206	2246	2287	2240	2161	2120	2112	2101	2076
60.0	1603	1700	1802	1689	1499	1546	1834	2013	1894	1780	1716	1650	1620	1600	1567	1519	1497	1551
65.0	1183	1225	1268	1156	987	1021	1260	1424	1381	1340	1254	1165	1113	1070	1033	997	994	1090
70.0	747	775	804	692	528	569	819	989	944	900	798	693	628	573	549	554	578	664
75.0	392	406	421	348	242	271	438	551	522	493	388	279	235	209	199	203	227	311
80.0	151	164	177	158	127	136	186	219	201	183	145	106	100	106	103	92.2	91.4	121
85.0	84.2	93.2	102	95.3	82.4	84.8	103	110	88.7	67.8	61.1	54.2	53.9	55.8	54.9	51.2	52.5	68.6
90.0	73.3	72.5	71.8	71.1	70.3	70.9	73.2	71.5	58.1	45.1	44.9	44.6	43.2	41.4	40.8	41.2	45	59.4
95.0																		
100.0																		
105.0																		
110.0																		
115.0																		
120.0																		
125.0																		
130.0																		
135.0																		
140.0																		
145.0																		
150.0																		
155.0																		
160.0																		
165.0																		
170.0																		
175.0																		
180.0																		

Gama Angle Range: -90 - 90(Deg)

Gama interval (Deg): 1

Temperature(Deg): 25

Tester: zyg

Distance(m): 7.070

Test System: ZWL Goniophotometer System V3.0

C Angle Range: 0 - 180(Deg)

C interval (Deg): 45

Humidity(%): 60

Date: 2019-10-25

Remark: