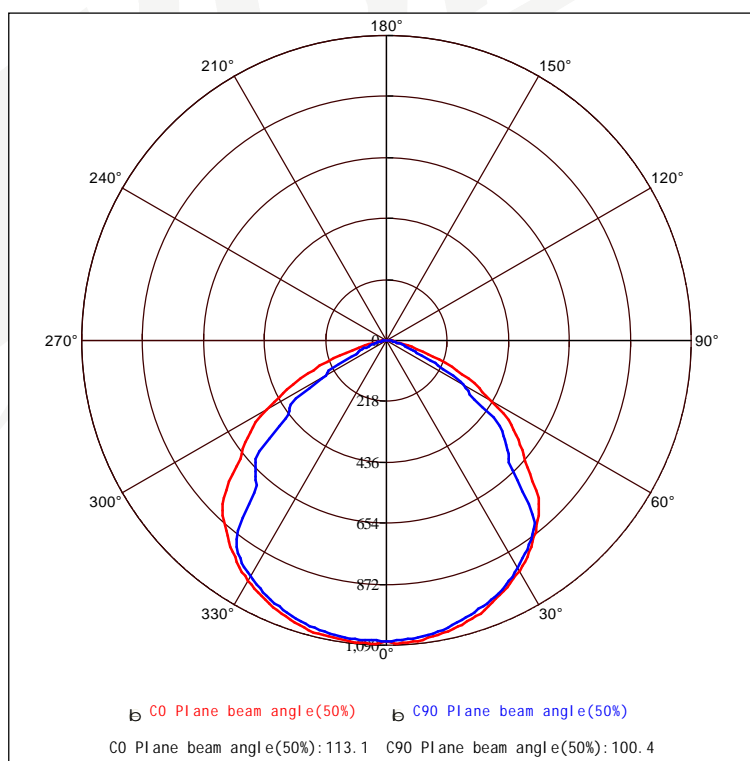


LED FLOOD LIGHT

Measured Para U: 213.7V I: 188.0mA P: 27.10W PF: 0.674 Test LM: 2776.39lm						
Lamp Name: LPFL-30A01			Lamp Type: CLASS I		Weight(kg):	
Lamp ID:			Lamp Spec: LPFL-30A01		Shape Size:	
Manufactory: LIPER			Sur(m^2):		Protect Angle(Deg):	
Light Source Data			Photometric Data			
Model	LPFL-30A01		Peak Value(cd)	1086.5	Effi ciency(lm/w)	102.4
Nominal P(w)	1.0		Position	180.0, 5.0	UP(C0-C180)	0.0
Rated Volt(v)	220.0		Total Flux(lm)	2776.387	Down(C0-C180)	52.3
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)	47.7

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

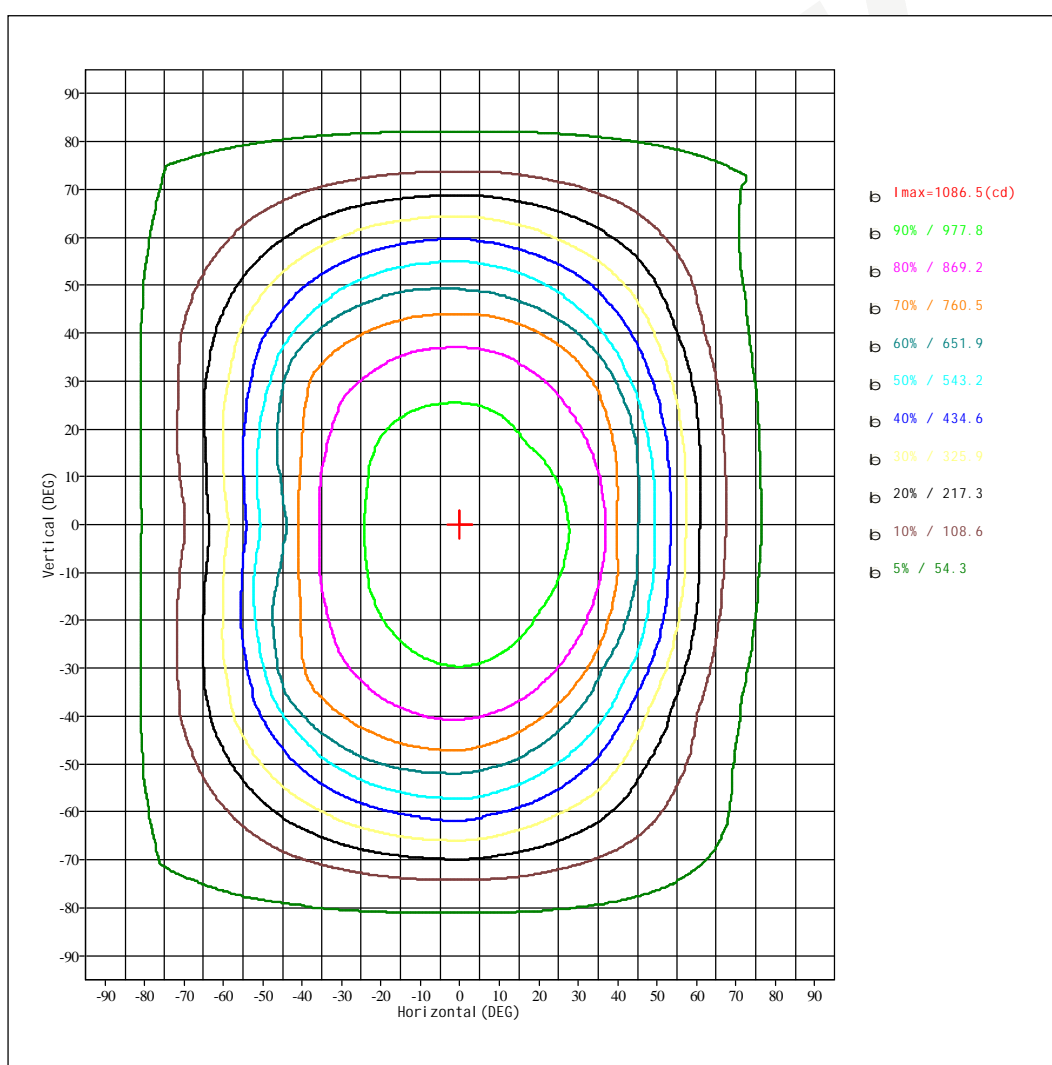
Humidity(%): 60

Date: 2019-10-23

Remark:

Measured Para U: 213.7V I: 188.0mA P: 27.10W PF: 0.674 Test LM: 2776.39lm		
Lamp Name: LPFL-30A01	Lamp Type: CLASS I	Weight(kg):
Lamp ID:	Lamp Spec: LPFL-30A01	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

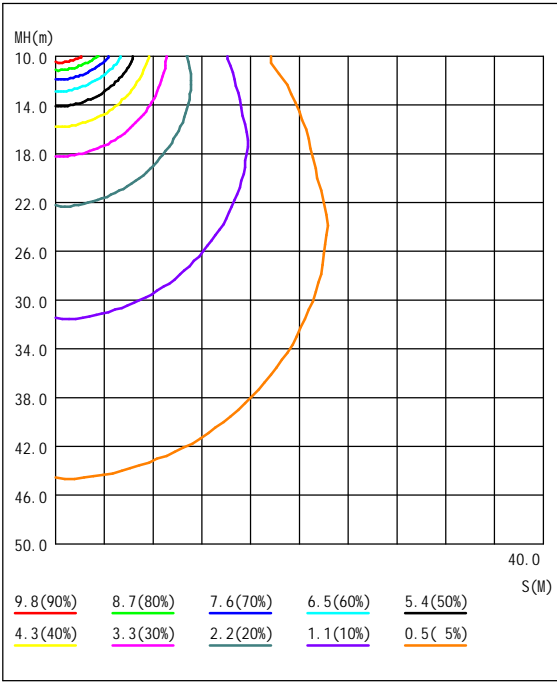
Humidity(%): 60

Date: 2019-10-23

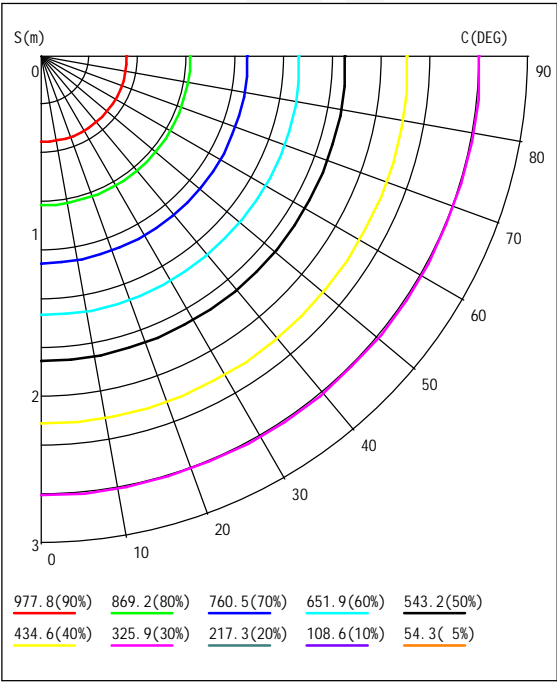
Remark:

Measured Para U: 213.7V I: 188.0mA P: 27.10W PF: 0.674 Test LM: 2776.39lm		
Lamp Name: LPFL-30A01	Lamp Type: CLASS I	Weight(kg):
Lamp ID:	Lamp Spec: LPFL-30A01	Shape Si ze:
Manufactory: LIPER	Sur(m^2):	Protect Angle(Deg):

Spacial ISOLUX Curve



PI anar ISOLUX Curve



Gama Angle Range: -90 - 90(Deg)

Gama interval (Deg): 1

Temperature(Deg): 25

Tester: zxg

Distance(m): 7.070

Test System: ZWL Goniophotometer System V3.0

C Angle Range: 0 - 180(Deg)

C interval (Deg): 45

Humidi ty(%): 60

Date: 2019-10-23

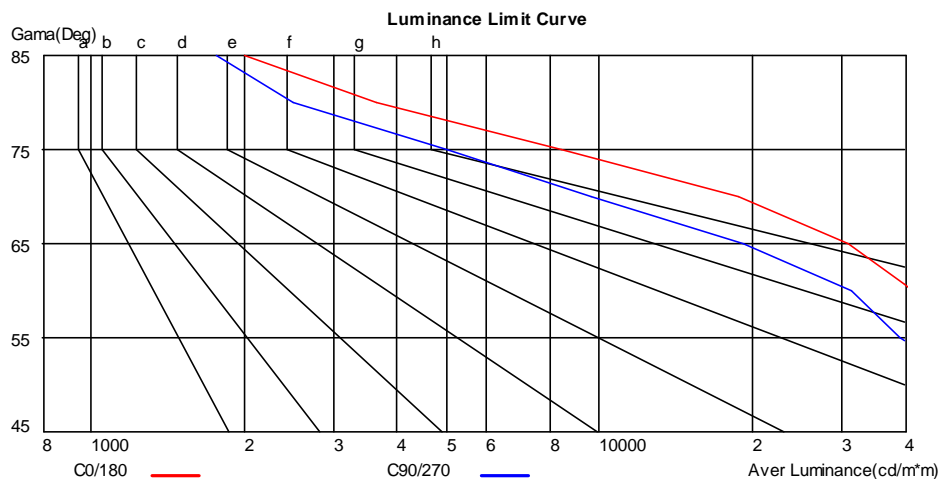
Remark:

Measured Para U: 213.7V I: 188.0mA P: 27.10W PF: 0.674 Test LM: 2776.39lm		
Lamp Name: LPFL-30A01	Lamp Type: CLASS I	Weight(kg):
Lamp ID:	Lamp Spec: LPFL-30A01	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	74118.6	63112.4	54643.5	41535.0	30977.1	18873.3	8406.0	3638.9	2009.4
C90	61176.5	54819.9	39269.6	31363.5	19198.2	9610.6	5014.0	2504.7	1756.5

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

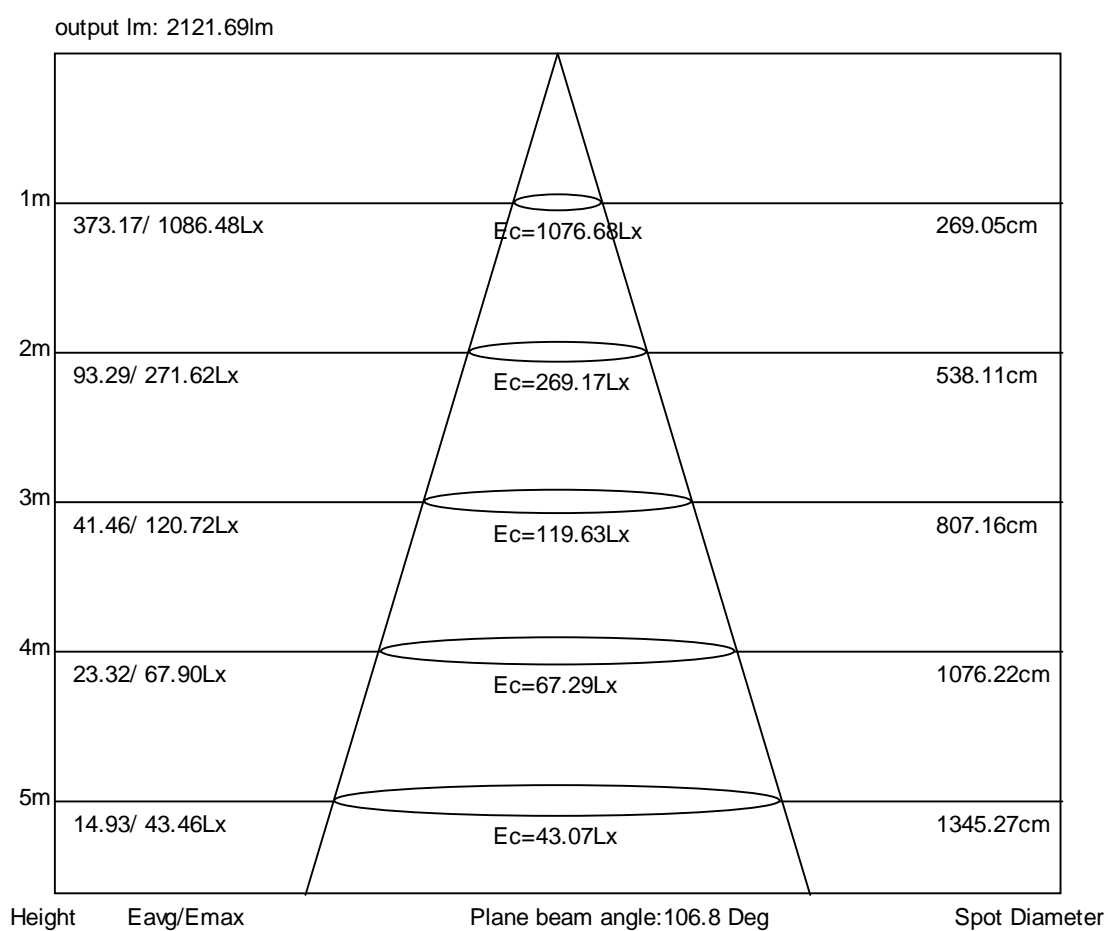
Humidity(%): 60

Date: 2019-10-23

Remark:

Measured Para U: 213.7V I: 188.0mA P: 27.10W PF: 0.674 Test LM: 2776.39lm		
Lamp Name: LPFL-30A01	Lamp Type: CLASS I	Weight(kg):
Lamp ID:	Lamp Spec: LPFL-30A01	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

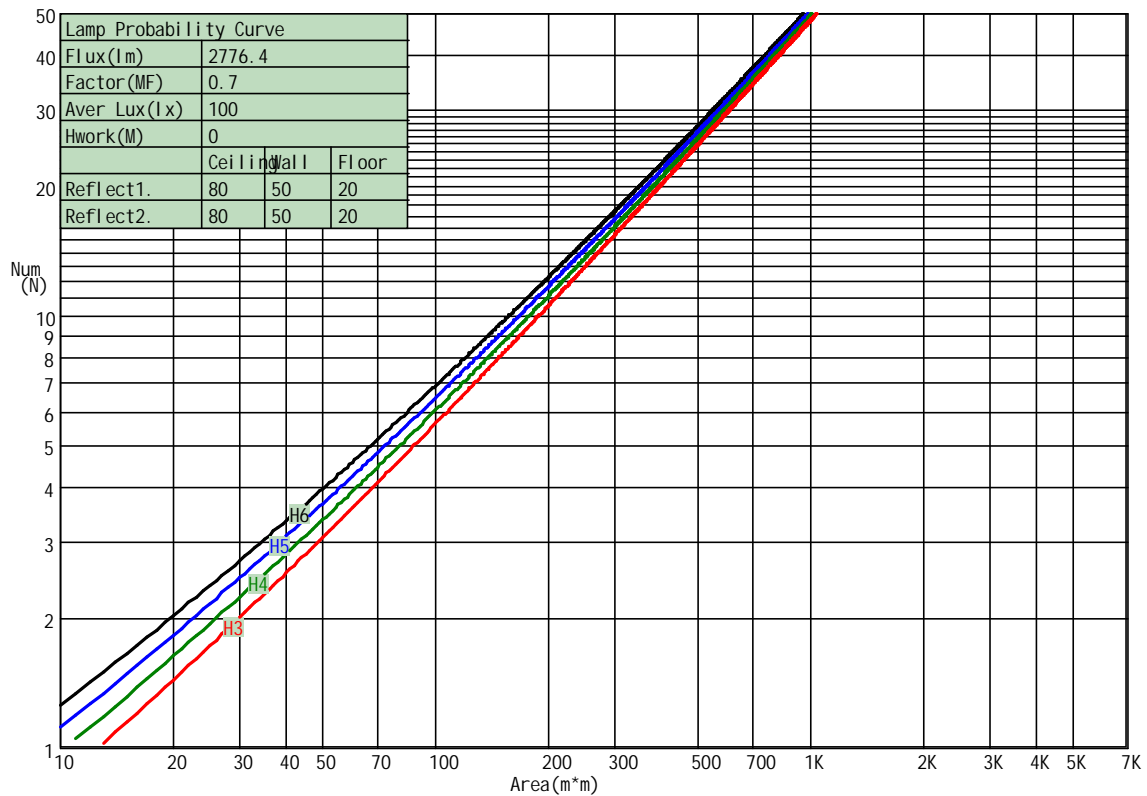
Humidity(%): 60

Date: 2019-10-23

Remark:

Measured Para U: 213.7V I: 188.0mA P: 27.10W PF: 0.674 Test LM: 2776.39lm		
Lamp Name: LPFL-30A01	Lamp Type: CLASS I	Weight(kg):
Lamp ID:	Lamp Spec: LPFL-30A01	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: 2019-10-23

Remark:

Measured Para U: 213.7V I: 188.0mA P: 27.10W PF: 0.674 Test LM: 2776.39lm		
Lamp Name: LPFL-30A01	Lamp Type: CLASS I	Weight(kg):
Lamp ID:	Lamp Spec: LPFL-30A01	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	55	41	32	54	40	32	51	39	31
0.80	59	43	33	57	42	32	53	40	31
1.00	62	45	34	59	44	33	55	41	32
1.25	64	46	34	61	45	33	56	42	31
1.50	66	47	34	62	46	33	56	42	31
2.00	68	49	34	64	47	33	57	43	30
2.50	69	49	33	65	47	32	57	42	29
3.00	70	50	33	65	47	31	57	42	29
4.00	71	50	33	66	48	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	0.99	1.04	1	0.97	1	0.97	0.94	0.96	0.94	0.91	0.92	0.9	0.89
2	0.94	0.88	0.83	0.92	0.86	0.82	0.89	0.84	0.8	0.85	0.81	0.78	0.82	0.79	0.76
3	0.83	0.76	0.7	0.82	0.75	0.69	0.79	0.73	0.68	0.76	0.71	0.67	0.74	0.69	0.66
4	0.74	0.66	0.6	0.73	0.65	0.59	0.71	0.64	0.59	0.68	0.63	0.58	0.66	0.61	0.57
5	0.67	0.58	0.52	0.66	0.58	0.52	0.63	0.56	0.51	0.62	0.55	0.51	0.6	0.54	0.5
6	0.6	0.52	0.46	0.59	0.51	0.45	0.57	0.5	0.45	0.56	0.49	0.45	0.54	0.49	0.44
7	0.55	0.46	0.4	0.54	0.46	0.4	0.52	0.45	0.4	0.51	0.44	0.4	0.5	0.44	0.39
8	0.5	0.42	0.36	0.49	0.41	0.36	0.48	0.41	0.36	0.47	0.4	0.36	0.46	0.4	0.35
9	0.46	0.38	0.32	0.45	0.38	0.32	0.44	0.37	0.32	0.43	0.37	0.32	0.42	0.36	0.32
10	0.42	0.35	0.29	0.42	0.34	0.29	0.41	0.34	0.29	0.4	0.34	0.29	0.39	0.33	0.29

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: 2019-10-23

Remark:

Measured Para U: 213.7V I: 188.0mA P: 27.10W PF: 0.674 Test LM: 2776.39lm		
Lamp Name: LPFL-30A01	Lamp Type: CLASS I	Weight(kg):
Lamp ID:	Lamp Spec: LPFL-30A01	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	0.27	0.15	0.05	0.26	0.15	0.05	0.25	0.14	0.05	0.24	0.14	0.04	0.22	0.13	0.04
2	0.26	0.14	0.04	0.25	0.14	0.04	0.24	0.13	0.04	0.23	0.13	0.04	0.22	0.13	0.04
3	0.25	0.13	0.04	0.24	0.13	0.04	0.23	0.12	0.04	0.22	0.12	0.04	0.21	0.12	0.04
4	0.23	0.12	0.04	0.23	0.12	0.03	0.22	0.11	0.03	0.21	0.11	0.03	0.2	0.11	0.03
5	0.22	0.11	0.03	0.21	0.11	0.03	0.2	0.11	0.03	0.2	0.1	0.03	0.19	0.1	0.03
6	0.2	0.1	0.03	0.2	0.1	0.03	0.19	0.1	0.03	0.18	0.1	0.03	0.18	0.09	0.03
7	0.19	0.09	0.03	0.19	0.09	0.03	0.18	0.09	0.03	0.17	0.09	0.03	0.17	0.09	0.03
8	0.18	0.09	0.02	0.17	0.09	0.02	0.17	0.08	0.02	0.16	0.08	0.02	0.16	0.08	0.02
9	0.17	0.08	0.02	0.16	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	0.07	0.02	0.15	0.07	0.02	0.14	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	0.14	0.09	0.05	0.12	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	0.04	0.08	0.05	0.03	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	0.07	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	0.11	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: 2019-10-23

Remark:

Measured Para U: 213.7V I: 188.0mA P: 27.10W PF: 0.674 Test LM: 2776.39lm		
Lamp Name: LPFL-30A01	Lamp Type: CLASS I	Weight(kg):
Lamp ID:	Lamp Spec: LPFL-30A01	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	1081	1078	1070	1068	1086	1082	1075	1065	0-5	25.7	25.7
10	1066	1071	1057	1065	1080	1071	1069	1057	5-10	76.7	102
15	1050	1053	1035	1051	1070	1055	1055	1036	10-15	126	228
20	1022	1030	1009	1029	1048	1030	1033	1008	15-20	171	399
25	987	993	978	996	1018	996	1007	974	20-25	212	611
30	946	957	936	959	988	953	969	930	25-30	246	858
35	895	912	886	919	941	903	922	882	30-35	274	1132
40	834	860	796	871	883	841	739	823	35-40	291	1423
45	741	793	612	810	819	664	659	746	40-45	289	1712
50	631	728	548	752	685	565	516	570	45-50	275	1988
55	546	554	393	618	595	406	417	449	50-55	246	2234
60	415	435	314	444	475	292	246	297	55-60	198	2432
65	310	326	192	356	352	151	116	200	60-65	149	2581
70	189	211	96.1	212	213	64.2	80.7	78.4	65-70	95.6	2676
75	84.1	113	50.1	111	91.5	30.8	43.2	42.1	70-75	55	2731
80	36.4	52.6	25	50.6	30.4	14	21.2	18	75-80	24.7	2756
85	20.1	27.2	17.6	26.5	13.5	9.57	10.9	9.89	80-85	12.4	2768
90	16.9	18.3	16.4	17.5	9.98	9.57	8.89	9.21	85-90	8.01	2776
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: 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: 2019-10-23

Remark:

Measured Para U: 213.7V I: 188.0mA P: 27.10W PF: 0.674 Test LM: 2776.39lm		
Lamp Name: LPFL-30A01	Lamp Type: CLASS I	Weight(kg):
Lamp ID:	Lamp Spec: LPFL-30A01	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	1081	1080	1079	1076	1072	1070	1069	1070	1079	1086	1085	1083	1080	1077	1073	1069	1067	1074
10.0	1066	1068	1071	1067	1060	1059	1062	1066	1073	1080	1076	1072	1070	1069	1066	1061	1058	1062
15.0	1050	1051	1053	1047	1039	1038	1045	1053	1062	1070	1064	1056	1055	1055	1051	1042	1038	1044
20.0	1022	1025	1029	1023	1014	1014	1023	1031	1040	1048	1040	1032	1031	1032	1028	1016	1010	1016
25.0	987	989	992	988	981	982	990	998	1008	1018	1009	998	1000	1005	1000	985	976	981
30.0	946	951	956	950	940	941	951	962	975	988	973	957	958	966	961	943	932	939
35.0	895	902	910	904	892	893	908	921	931	941	924	907	909	918	913	895	883	889
40.0	834	845	857	839	810	813	847	873	878	883	865	846	808	762	758	796	824	829
45.0	741	764	787	734	651	655	745	811	815	819	751	681	663	660	678	717	745	743
50.0	631	674	718	669	588	593	685	745	714	685	632	578	549	527	528	553	577	605
55.0	546	550	553	501	428	442	544	615	605	595	513	427	410	414	424	438	459	504
60.0	415	424	433	395	340	342	401	447	461	475	395	312	277	256	257	280	310	363
65.0	310	317	324	282	221	228	302	356	354	352	264	173	140	124	134	172	212	262
70.0	189	199	209	174	121	121	174	212	213	213	148	80.5	69.6	77.1	80.2	79.2	90.5	140
75.0	84.1	96.9	110	92.6	64	63.5	91.2	109	100	91.5	64.9	37.4	34.8	40.5	43	42.5	46.7	65.7
80.0	36.4	43.5	50.8	43.5	31.1	30.6	42.2	48.4	39.2	30.4	23.2	15.8	16.3	19.6	20.5	19	20	28.3
85.0	20.1	23.2	26.4	24	19.7	19.5	23.6	25.1	19.2	13.5	11.8	10	9.99	10.6	10.6	10.2	11	15.6
90.0	16.9	17.5	18.2	17.7	16.8	16.6	17.1	16.7	13.3	9.98	9.8	9.62	9.35	9.04	8.96	9.11	10.1	13.5
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: 2019-10-23

Remark: