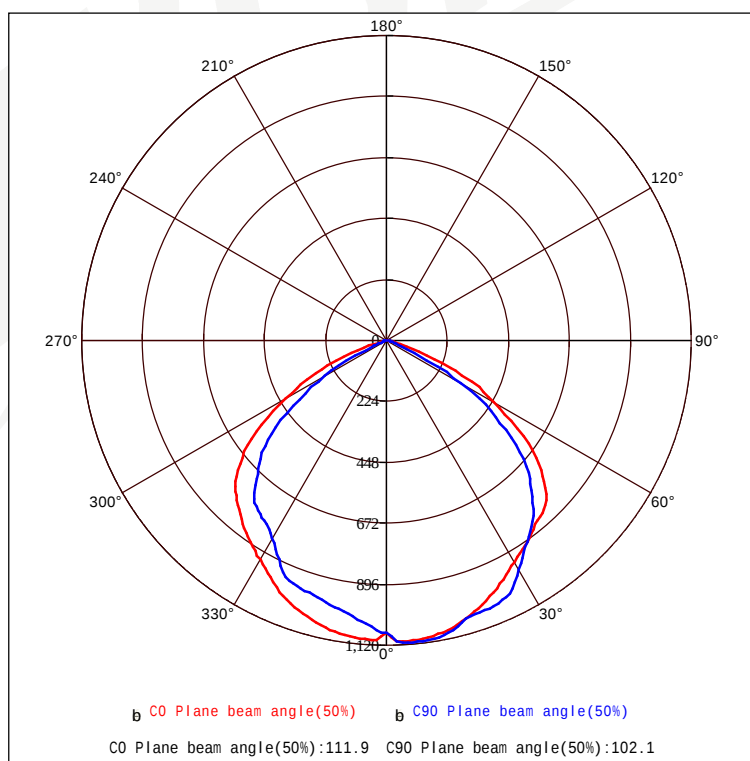


Goniophotometer Test Report

Measured Para U: 215.8V I: 275.0mA P: 29.50W PF: 0.597 Test LM: 2634.33lm						
Lamp Name: LED FLOOD LIGHT			Lamp Type: Class I		Weight(kg):	
Lamp ID: LPFL-30XT01			Lamp Spec:		Shape Size:	
Manufactory: LIPER			Sur(m^2):		Protect Angle(Deg):	
Light Source Data			Photometric Data			
Model	LPFL-30XT01		Peak Value(cd)	1122.5	Efficiency(lm/w)	89.3
Nominal P(w)		1.0	Position	45.0,7.0	UP(C0-C180)	0.0
Rated Volt(v)		220.0	Total Flux(lm)	2634.328	Down(C0-C180)	55.0
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)	45.0

Planar Intensity Distribution Curve



Gama Angle Range:-90 - 90(Deg)

Gama interval(Deg): 1

Temperature(Deg): 30

Tester: WH

Distance(m): 7.070

Test System: ZWL Goniophotometer System V3.0

C Angle Range:0 - 180(Deg)

C interval(Deg): 45

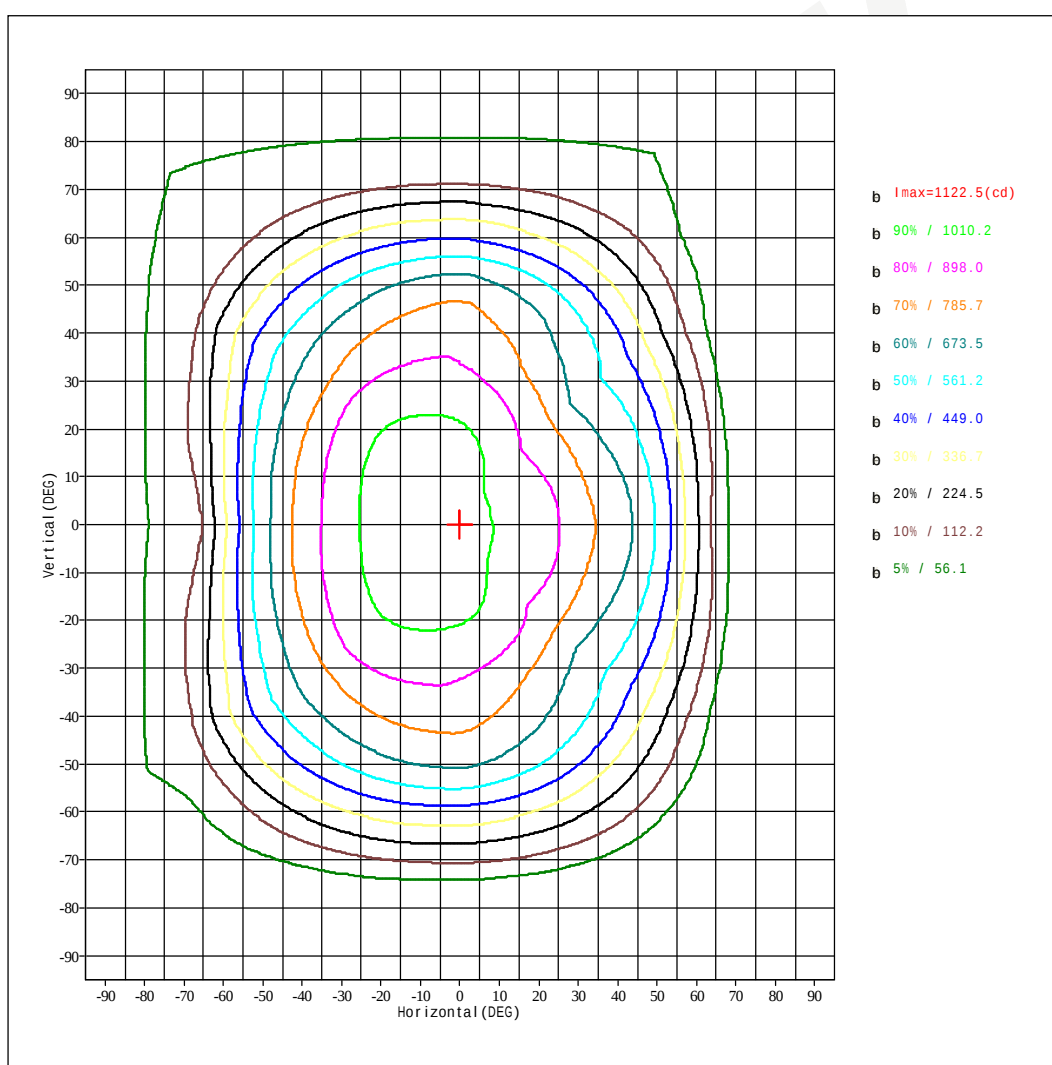
Humidity(%): 60

Date: 2021-10-11

Remark:

Measured Para U: 215.8V I: 275.0mA P: 29.50W PF: 0.597 Test LM: 2634.33lm		
Lamp Name: LPFL-30XT01	Lamp Type: Class I	Weight(kg):
Lamp ID: LPFL-30XT01	Lamp Spec:	Shape Size:
Manufactory: LIPER	Sur(m^2):	Protect Angle(Deg):

Planar IsoCandela Curve



Gama Angle Range:-90 - 90(Deg)

Gama interval(Deg): 1

Temperature(Deg): 30

Tester: WH

Distance(m): 7.070

Test System: ZWL Goniophotometer System V3.0

C Angle Range:0 - 180(Deg)

C interval(Deg): 45

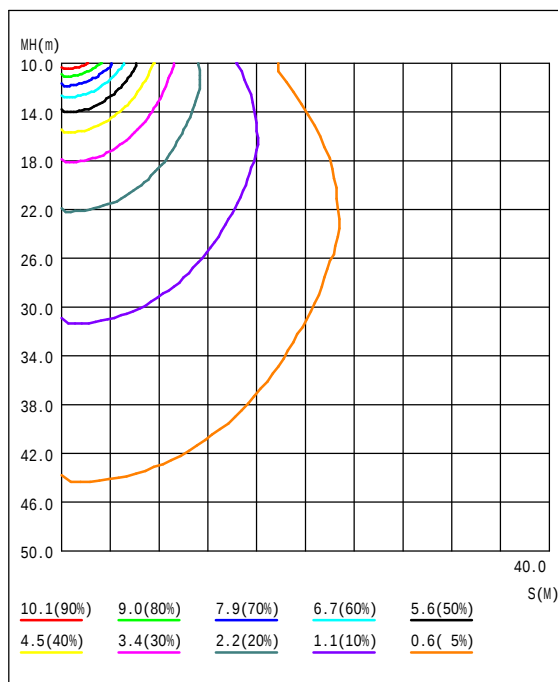
Humidity(%): 60

Date: 2021-10-11

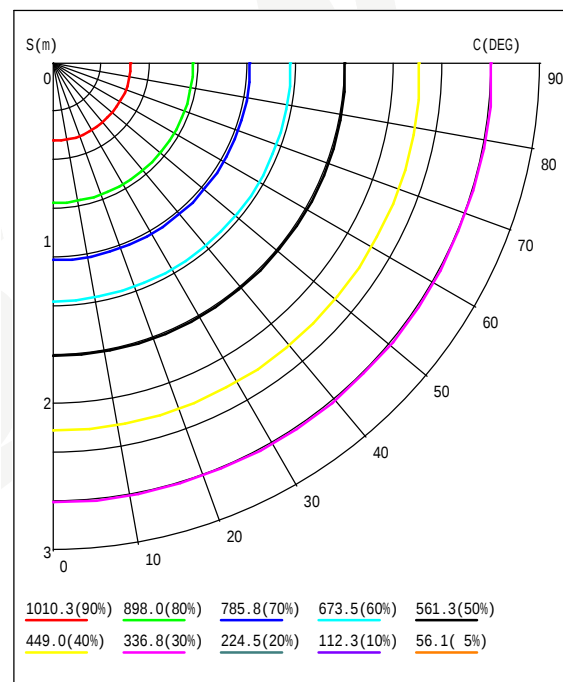
Remark:

Measured Para U: 215.8V I: 275.0mA P: 29.50W PF: 0.597 Test LM: 2634.33lm		
Lamp Name: LPFL-30XT01	Lamp Type: Class I	Weight(kg):
Lamp ID: LPFL-30XT01	Lamp Spec:	Shape Size:
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): 30

Tester: WH

Distance(m): 7.070

Test System: ZWL Goniophotometer System V3.0

C Angle Range:0 - 180(Deg)

C interval(Deg): 45

Humidity(%): 60

Date: 2021-10-11

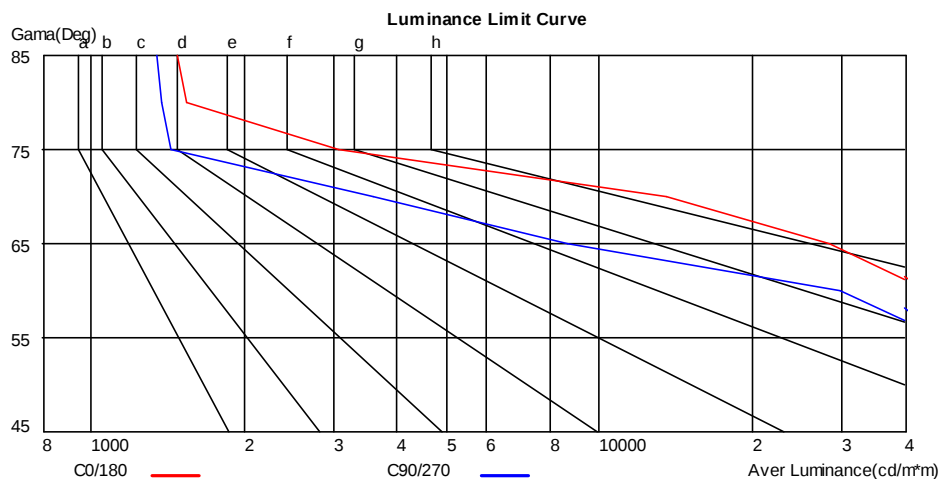
Remark:

Measured Para U: 215.8V I: 275.0mA P: 29.50W PF: 0.597 Test LM: 2634.33lm		
Lamp Name: LPFL-30XT01	Lamp Type: Class I	Weight(kg):
Lamp ID: LPFL-30XT01	Lamp Spec:	Shape Size:
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	82347.1	73355.3	59903.4	44053.2	28485.9	13555.4	3069.1	1539.0	1478.6
C90	74041.1	62960.5	47724.6	29911.5	8679.9	3586.4	1432.1	1375.1	1341.6

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): 30

Tester: WH

Distance(m): 7.070

Test System: ZWL Goniophotometer System V3.0

C Angle Range:0 - 180(Deg)

C interval(Deg): 45

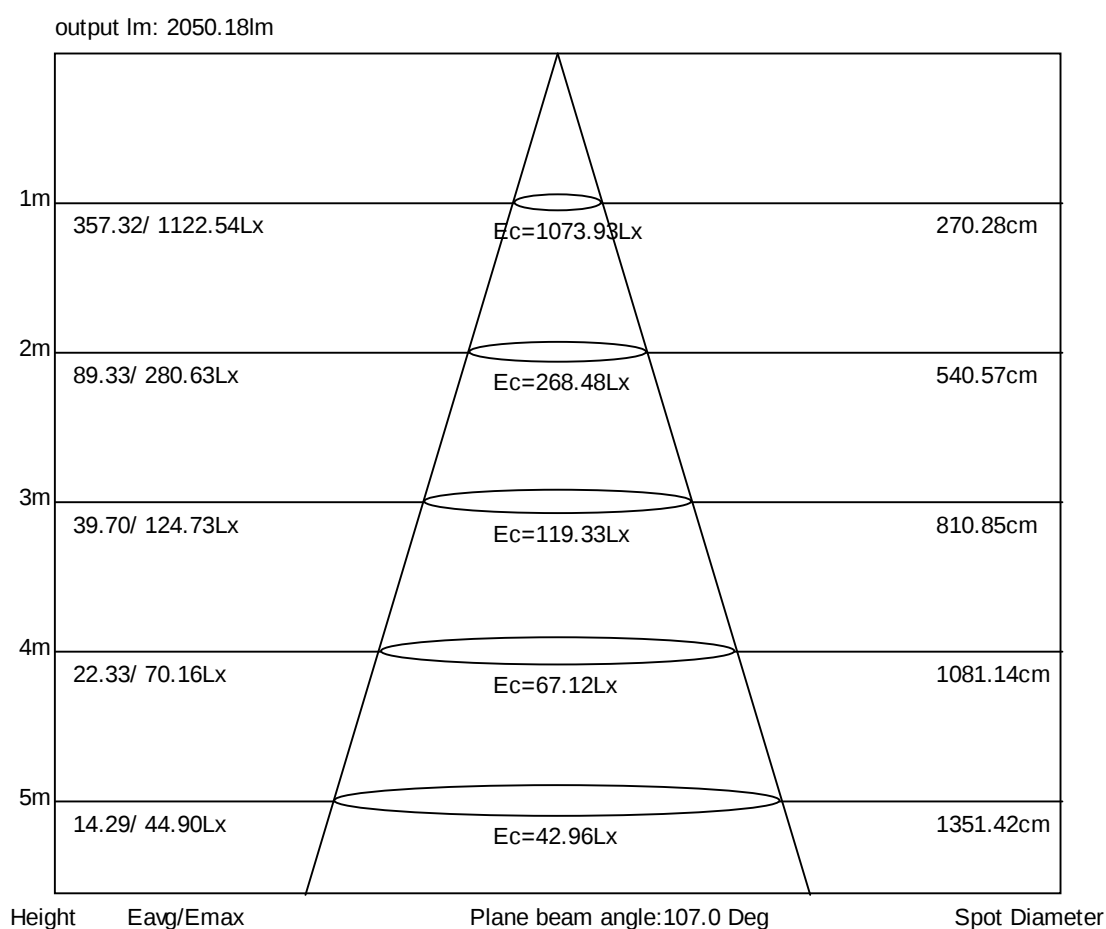
Humidity(%): 60

Date: 2021-10-11

Remark:

Measured Para U: 215.8V I: 275.0mA P: 29.50W PF: 0.597 Test LM: 2634.33lm		
Lamp Name: LPFL-30XT01	Lamp Type: Class I	Weight(kg):
Lamp ID: LPFL-30XT01	Lamp Spec:	Shape Size:
Manufactory: LIPER	Sur(m ²):	Protect Angle(Deg):

Average Illumination



Gama Angle Range: -90 - 90(Deg)

Gama interval(Deg): 1

Temperature(Deg): 30

Tester: WH

Distance(m): 7.070

Test System: ZWL Goniophotometer System V3.0

C Angle Range: 0 - 180(Deg)

C interval(Deg): 45

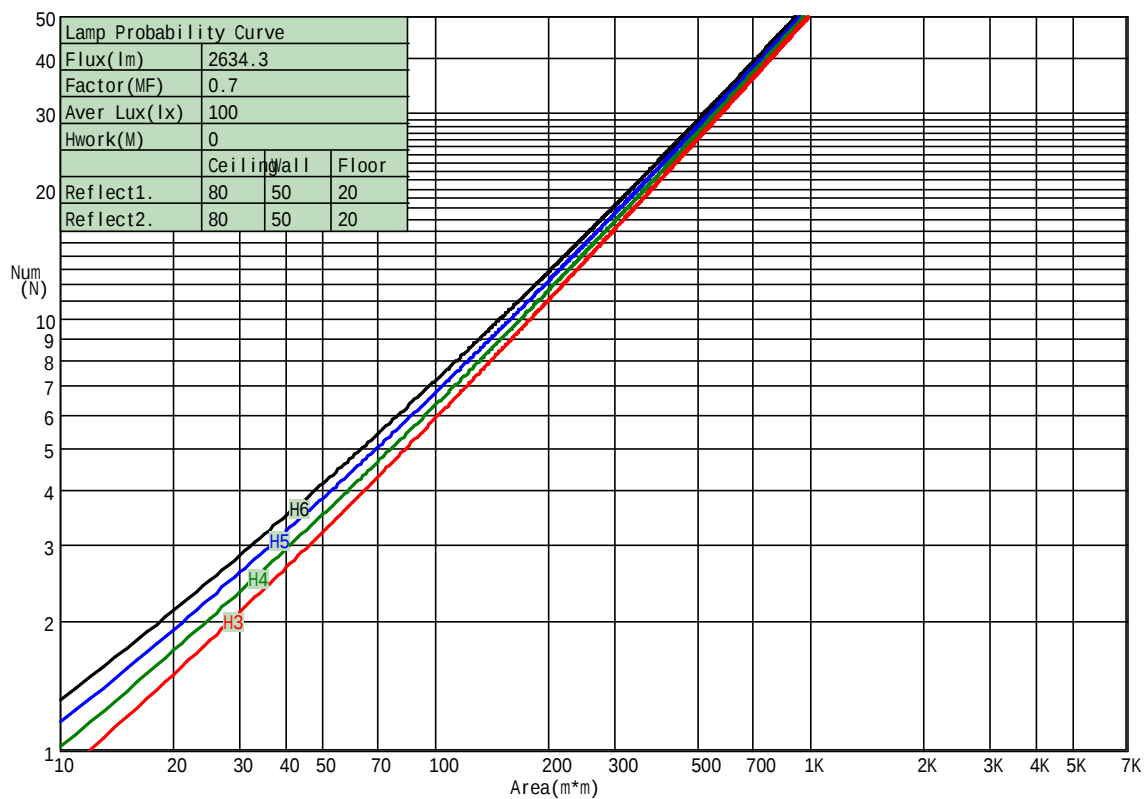
Humidity(%): 60

Date: 2021-10-11

Remark:

Measured Para U: 215.8V I: 275.0mA P: 29.50W PF: 0.597 Test LM: 2634.33lm		
Lamp Name: LPFL-30XT01	Lamp Type: Class I	Weight(kg):
Lamp ID: LPFL-30XT01	Lamp Spec:	Shape Size:
Manufactory: LIPER	Sur(m^2):	Protect Angle(Deg):

Lamp Probability Curve



Gama Angle Range:-90 - 90(Deg)

Gama interval(Deg): 1

Temperature(Deg): 30

Tester: WH

Distance(m): 7.070

Test System: ZWL Goniophotometer System V3.0

C Angle Range:0 - 180(Deg)

C interval(Deg): 45

Humidity(%): 60

Date: 2021-10-11

Remark:

Measured Para U: 215.8V I: 275.0mA P: 29.50W PF: 0.597 Test LM: 2634.33lm		
Lamp Name: LPFL-30XT01	Lamp Type: Class I	Weight(kg):
Lamp ID: LPFL-30XT01	Lamp Spec:	Shape Size:
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	57	43	34	55	42	34	52	41	33
0.80	60	45	35	58	44	34	55	42	33
1.00	63	47	35	61	45	35	56	43	34
1.25	65	48	35	62	46	34	57	43	33
1.50	66	49	35	63	47	34	57	43	32
2.00	68	50	35	65	47	34	58	43	31
2.50	69	50	33	65	47	32	58	42	30
3.00	70	50	33	65	47	31	57	42	29
4.00	71	50	32	66	47	31	57	42	28
5.00	71	51	32	66	47	30	57	41	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	1.07	1.03	1	1.04	1.01	0.98	1	0.98	0.95	0.96	0.94	0.92	0.93	0.91	0.9
2	0.95	0.89	0.84	0.93	0.87	0.83	0.89	0.85	0.81	0.86	0.82	0.79	0.83	0.8	0.77
3	0.84	0.77	0.71	0.83	0.76	0.7	0.8	0.74	0.69	0.77	0.72	0.68	0.75	0.7	0.67
4	0.75	0.67	0.61	0.74	0.66	0.61	0.71	0.65	0.6	0.69	0.64	0.59	0.67	0.62	0.58
5	0.67	0.59	0.53	0.66	0.59	0.53	0.64	0.57	0.52	0.62	0.56	0.52	0.61	0.55	0.51
6	0.61	0.52	0.46	0.6	0.52	0.46	0.58	0.51	0.46	0.57	0.5	0.45	0.55	0.49	0.45
7	0.55	0.47	0.41	0.55	0.47	0.41	0.53	0.46	0.41	0.52	0.45	0.4	0.5	0.45	0.4
8	0.51	0.42	0.37	0.5	0.42	0.37	0.49	0.42	0.37	0.47	0.41	0.36	0.46	0.4	0.36
9	0.46	0.39	0.33	0.46	0.38	0.33	0.45	0.38	0.33	0.44	0.37	0.33	0.43	0.37	0.33
10	0.43	0.35	0.3	0.42	0.35	0.3	0.41	0.35	0.3	0.4	0.34	0.3	0.4	0.34	0.3

Gama Angle Range:-90 - 90(Deg)

Gama interval(Deg): 1

Temperature(Deg): 30

Tester: WH

Distance(m): 7.070

Test System: ZWL Goniophotometer System V3.0

C Angle Range:0 - 180(Deg)

C interval(Deg): 45

Humidity(%): 60

Date: 2021-10-11

Remark:

Measured Para U: 215.8V I: 275.0mA P: 29.50W PF: 0.597 Test LM: 2634.33lm		
Lamp Name: LPFL-30XT01	Lamp Type: Class I	Weight(kg):
Lamp ID: LPFL-30XT01	Lamp Spec:	Shape Size:
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	0.26	0.15	0.05	0.25	0.14	0.05	0.24	0.14	0.04	0.23	0.13	0.04	0.21	0.12	0.04
2	0.25	0.14	0.04	0.25	0.14	0.04	0.23	0.13	0.04	0.22	0.13	0.04	0.21	0.12	0.04
3	0.24	0.13	0.04	0.23	0.13	0.04	0.22	0.12	0.04	0.22	0.12	0.04	0.21	0.11	0.04
4	0.23	0.12	0.03	0.22	0.12	0.03	0.21	0.11	0.03	0.2	0.11	0.03	0.2	0.11	0.03
5	0.21	0.11	0.03	0.21	0.11	0.03	0.2	0.1	0.03	0.19	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	0.09	0.03	0.18	0.09	0.03
7	0.19	0.09	0.03	0.18	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	0.15	0.08	0.02	0.15	0.08	0.02
10	0.16	0.08	0.02	0.15	0.07	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	0.02	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): 30

Tester: WH

Distance(m): 7.070

Test System: ZWL Goniophotometer System V3.0

C Angle Range:0 - 180(Deg)

C interval(Deg): 45

Humidity(%): 60

Date: 2021-10-11

Remark:

Measured Para U: 215.8V I: 275.0mA P: 29.50W PF: 0.597 Test LM: 2634.33lm		
Lamp Name: LPFL-30XT01	Lamp Type: Class I	Weight(kg):
Lamp ID: LPFL-30XT01	Lamp Spec:	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	1106	1114	1115	1095	1099	1029	1036	1021	0-5	25.7	25.7
10	1095	1121	1108	1103	1084	1002	1000	989	5-10	76.5	102
15	1066	1111	1069	1092	1060	968	977	955	10-15	125	227
20	1029	1080	1056	1067	1026	934	960	911	15-20	168	395
25	983	1031	1037	1022	975	908	906	876	20-25	207	603
30	935	995	965	993	926	831	832	807	25-30	238	840
35	898	942	897	948	880	713	793	698	30-35	258	1099
40	862	845	834	864	829	641	753	621	35-40	271	1370
45	823	753	740	767	778	585	658	574	40-45	276	1646
50	734	681	630	696	693	504	553	504	45-50	270	1916
55	599	595	477	611	568	402	403	396	50-55	246	2162
60	441	485	299	494	411	262	245	254	55-60	201	2364
65	285	334	86.8	365	268	138	59.7	126	60-65	141	2505
70	136	192	35.9	213	119	28.3	24.7	26.1	65-70	77.5	2582
75	30.7	51.2	14.3	69.4	22.9	7.16	6.97	6.22	70-75	31.3	2614
80	15.4	20.7	13.8	21.3	7.22	6.74	6.13	6.11	75-80	9.06	2623
85	14.8	14	13.4	13.8	7.15	7.58	6.18	7.1	80-85	5.88	2629
90	14.8	13.8	13.6	13.3	8	8.05	7	7.6	85-90	5.83	2634
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): 30

Tester: WH

Distance(m): 7.070

Test System: ZWL Goniophotometer System V3.0

C Angle Range:0 - 180(Deg)

C interval(Deg): 45

Humidity(%): 60

Date: 2021-10-11

Remark:

Measured Para U: 215.8V I: 275.0mA P: 29.50W PF: 0.597 Test LM: 2634.33lm		
Lamp Name: LPFL-30XT01	Lamp Type: Class I	Weight(kg):
Lamp ID: LPFL-30XT01	Lamp Spec:	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	1106	1110	1113	1114	1114	1110	1102	1096	1097	1099	1068	1036	1031	1034	1033	1026	1030	1069
10.0	1095	1106	1118	1117	1111	1107	1104	1101	1092	1084	1048	1011	1001	1001	998	993	1001	1049
15.0	1066	1086	1106	1097	1078	1074	1084	1088	1074	1060	1020	978	971	975	972	962	967	1018
20.0	1029	1051	1074	1072	1061	1058	1063	1062	1044	1026	986	944	943	954	949	927	924	978
25.0	983	1004	1025	1033	1036	1034	1027	1017	996	975	946	915	908	907	900	886	887	936
30.0	935	961	988	985	972	971	984	986	955	926	884	841	831	832	826	815	821	879
35.0	898	917	937	927	907	908	931	941	910	880	807	731	739	775	772	729	720	810
40.0	862	855	847	841	837	841	854	860	844	829	747	662	678	729	724	664	647	757
45.0	823	792	760	749	743	746	758	768	773	778	693	606	609	642	639	601	601	714
50.0	734	711	687	664	641	644	674	696	694	693	611	525	520	542	542	520	529	633
55.0	599	597	596	557	503	507	567	606	587	568	495	420	402	403	401	399	419	510
60.0	441	460	480	424	340	342	430	485	448	411	346	278	256	249	247	251	275	359
65.0	285	306	329	253	141	148	274	354	310	268	211	153	113	76.9	74.2	104	143	215
70.0	136	160	186	141	70.1	74.6	155	203	160	119	79.1	38.2	27.1	25.5	25	25.6	38.1	87.7
75.0	30.7	39.7	48.9	39.1	22.4	26.4	51.4	64.4	43.3	22.9	16	8.88	7.1	7.01	6.81	6.47	8.9	20
80.0	15.4	17.7	20.1	18.4	15.3	15.4	18.8	19.7	13.4	7.22	7.01	6.8	6.54	6.26	6.12	6.11	7.12	11.3
85.0	14.8	14.4	14.1	13.8	13.5	13.5	13.7	13.1	10.1	7.15	7.34	7.53	7.12	6.49	6.38	6.8	7.94	11.4
90.0	14.8	14.3	13.9	13.7	13.7	13.6	13.4	12.7	10.3	8	8.02	8.05	7.71	7.23	7.13	7.4	8.38	11.6
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): 30

Tester: WH

Distance(m): 7.070

Test System: ZWL Goniophotometer System V3.0

C Angle Range:0 - 180(Deg)

C interval(Deg): 45

Humidity(%): 60

Date: 2021-10-11

Remark: