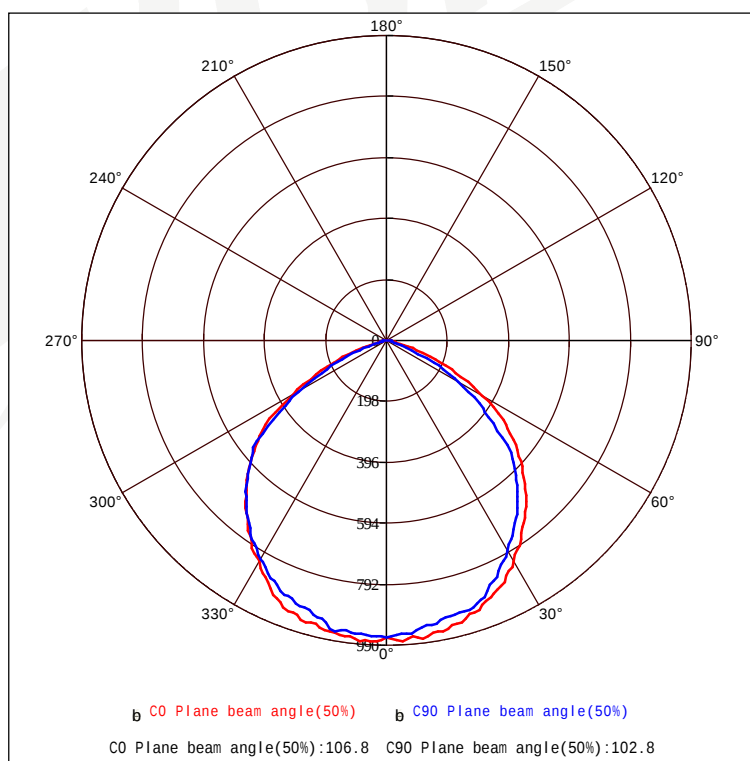


LED FLOODLIGHT

Measured Para U: 215.6V I: 127.0mA P: 26.90W PF: 0.984 Test LM: 2383.50lm						
Lamp Name: LPFL-30X			Lamp Type: Class I		Weight(kg):	
Lamp ID: LPFL-30X			Lamp Spec:		Shape Size:	
Manufactory: LIPER			Sur(m^2):		Protect Angle(Deg):	
Light Source Data			Photometric Data			
Model			Peak Value(cd)	985.4	Efficiency(lm/w)	88.6
Nominal P(w)		1.0	Position	180.0,5.0	UP(C0-C180)	0.0
Rated Volt(v)		220.0	Total Flux(lm)	2383.496	Down(C0-C180)	51.4
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)	48.6

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

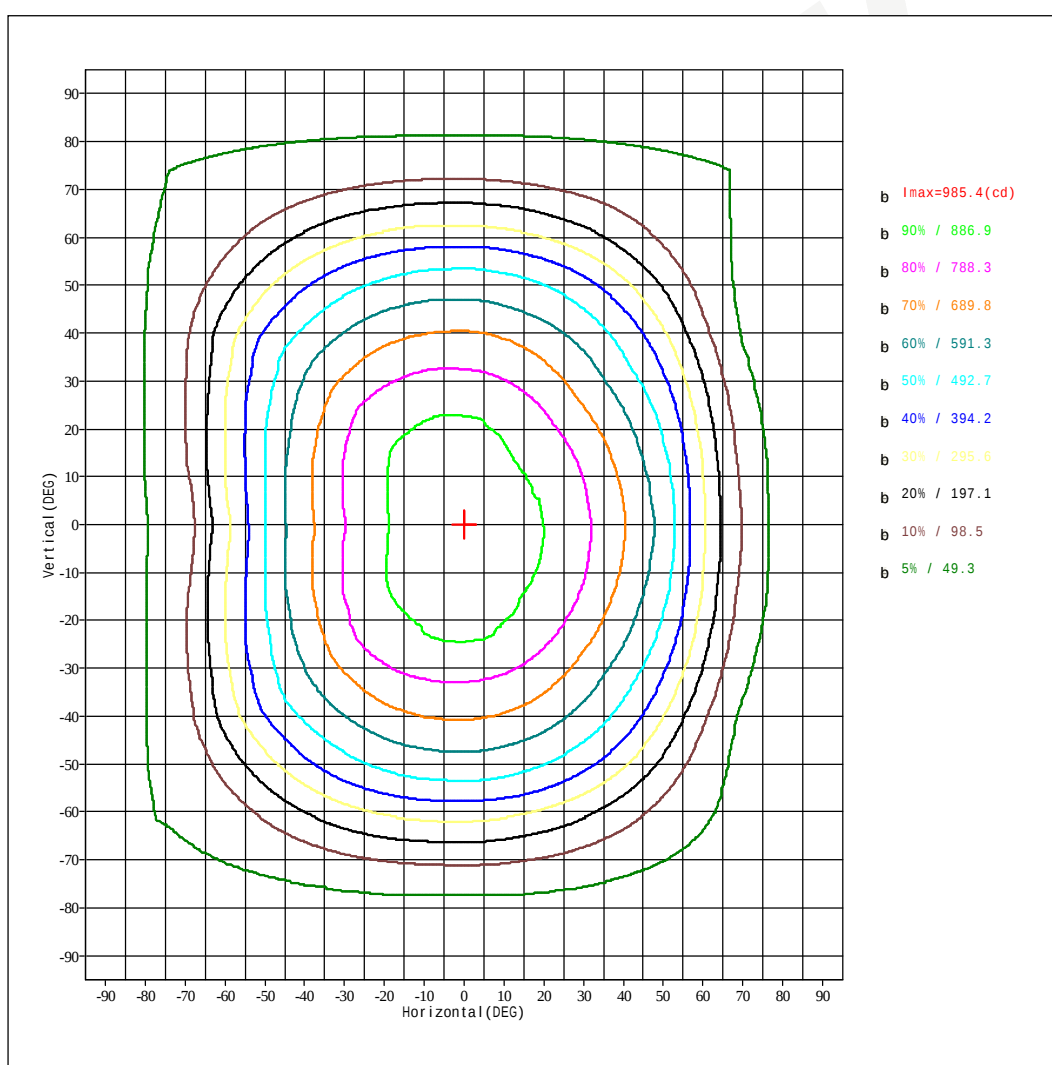
Humidity(%): 60

Date: 2018-8-11

Remark:

Measured Para U: 215.6V I: 127.0mA P: 26.90W PF: 0.984 Test LM: 2383.50lm		
Lamp Name: LPFL-30X	Lamp Type: Class I	Weight(kg):
Lamp ID: LPFL-30X	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

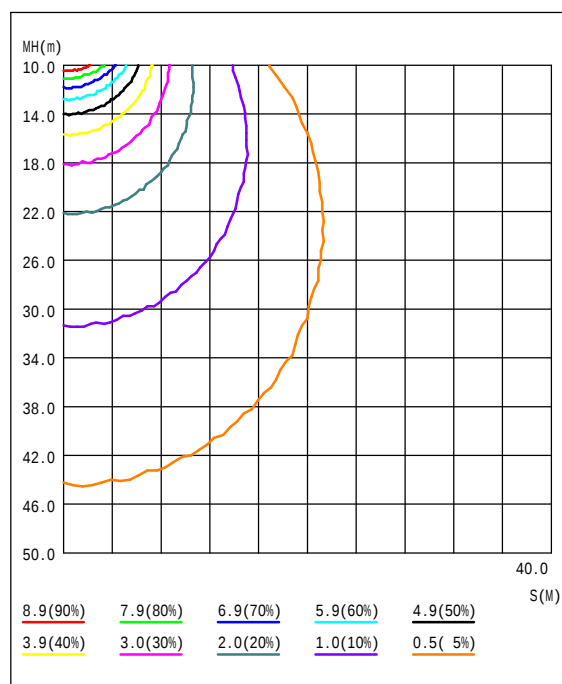
Humidity(%): 60

Date: 2018-8-11

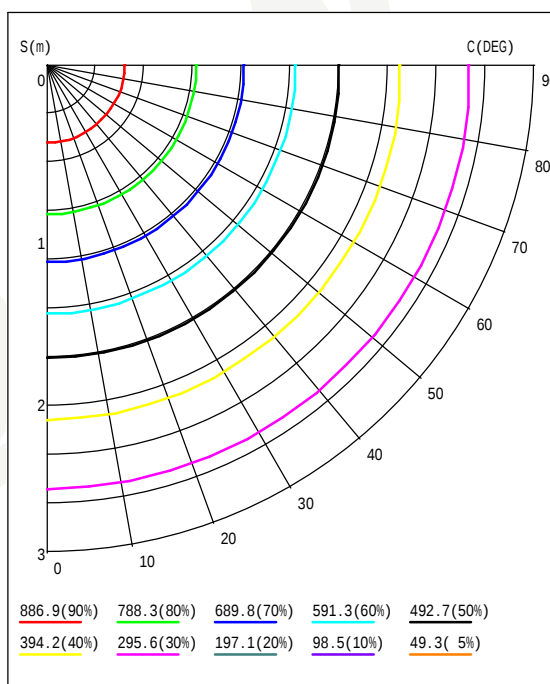
Remark:

Measured Para U: 215.6V I: 127.0mA P: 26.90W PF: 0.984 Test LM: 2383.50lm		
Lamp Name: LPFL-30X	Lamp Type: Class I	Weight(kg):
Lamp ID: LPFL-30X	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: 2018-8-11

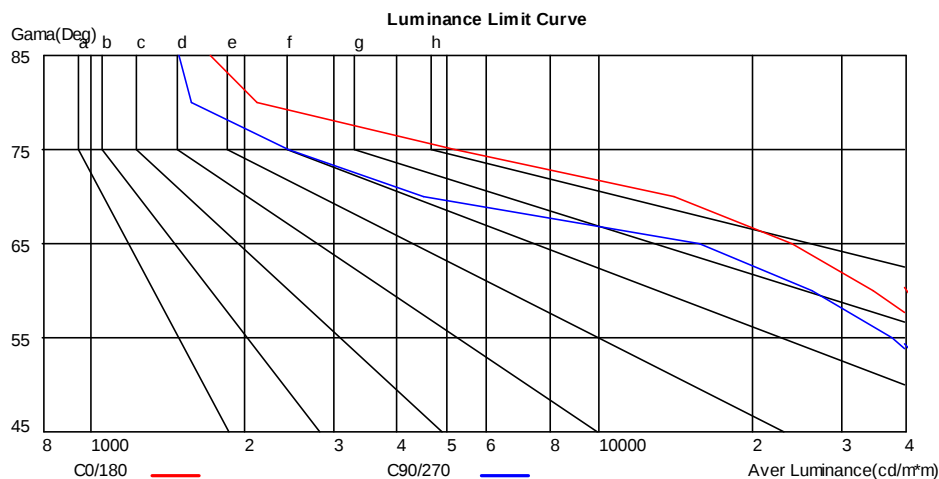
Remark:

Measured Para U: 215.6V I: 127.0mA P: 26.90W PF: 0.984 Test LM: 2383.50lm		
Lamp Name: LPFL-30X	Lamp Type: Class I	Weight(kg):
Lamp ID: LPFL-30X	Lamp Spec:	Shape Size:
Manufactory: LIPER	Sur(m ²):	Protect Angle(Deg):

Luminance Limit Curve

Aver Luminance(cd/m ² m)									
Gm(Deg)	45	50	55	60	65	70	75	80	85
C0	62682.6	54591.5	46962.3	34586.6	23927.3	14029.8	5196.4	2116.4	1718.0
C90	58132.9	47505.1	37836.1	26294.1	15760.2	4495.1	2442.8	1572.5	1483.6

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

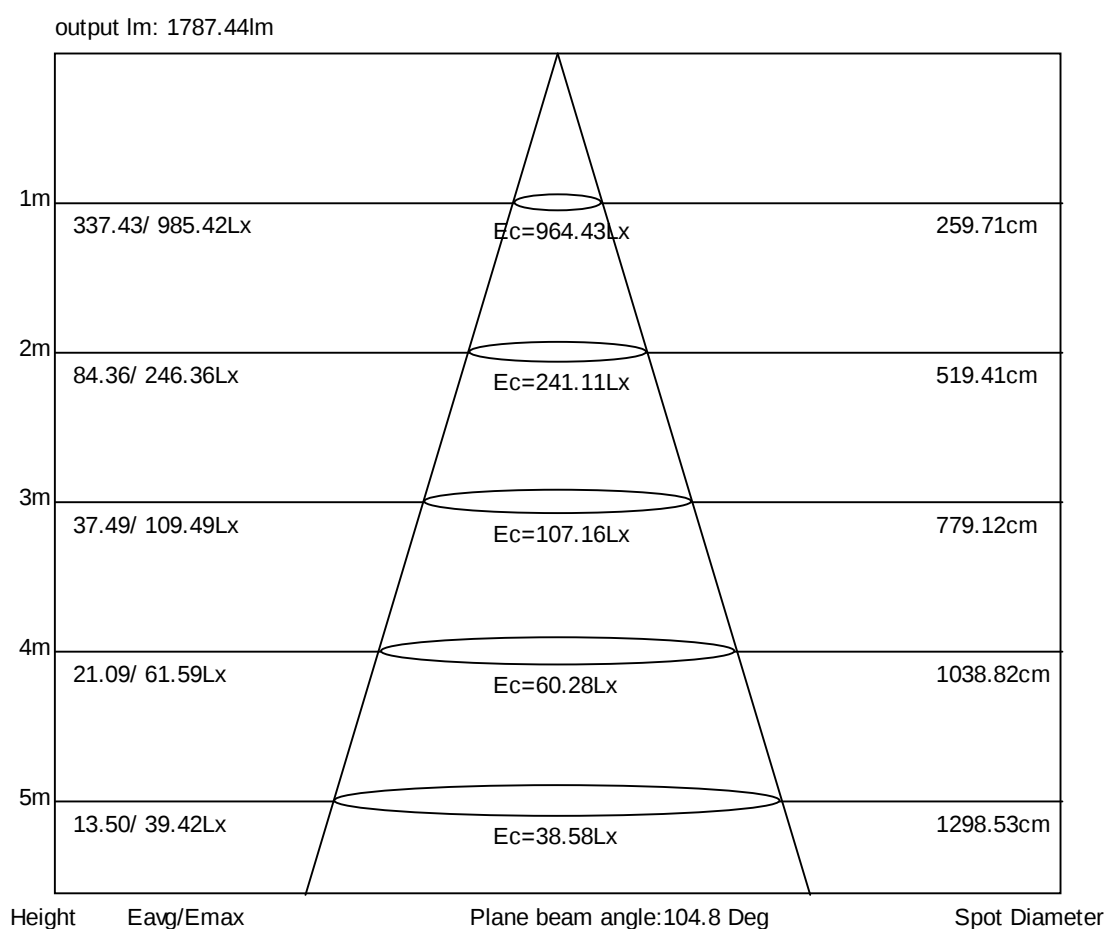
Humidity(%): 60

Date: 2018-8-11

Remark:

Measured Para U: 215.6V I: 127.0mA P: 26.90W PF: 0.984 Test LM: 2383.50lm		
Lamp Name: LPFL-30X	Lamp Type: Class I	Weight(kg):
Lamp ID: LPFL-30X	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

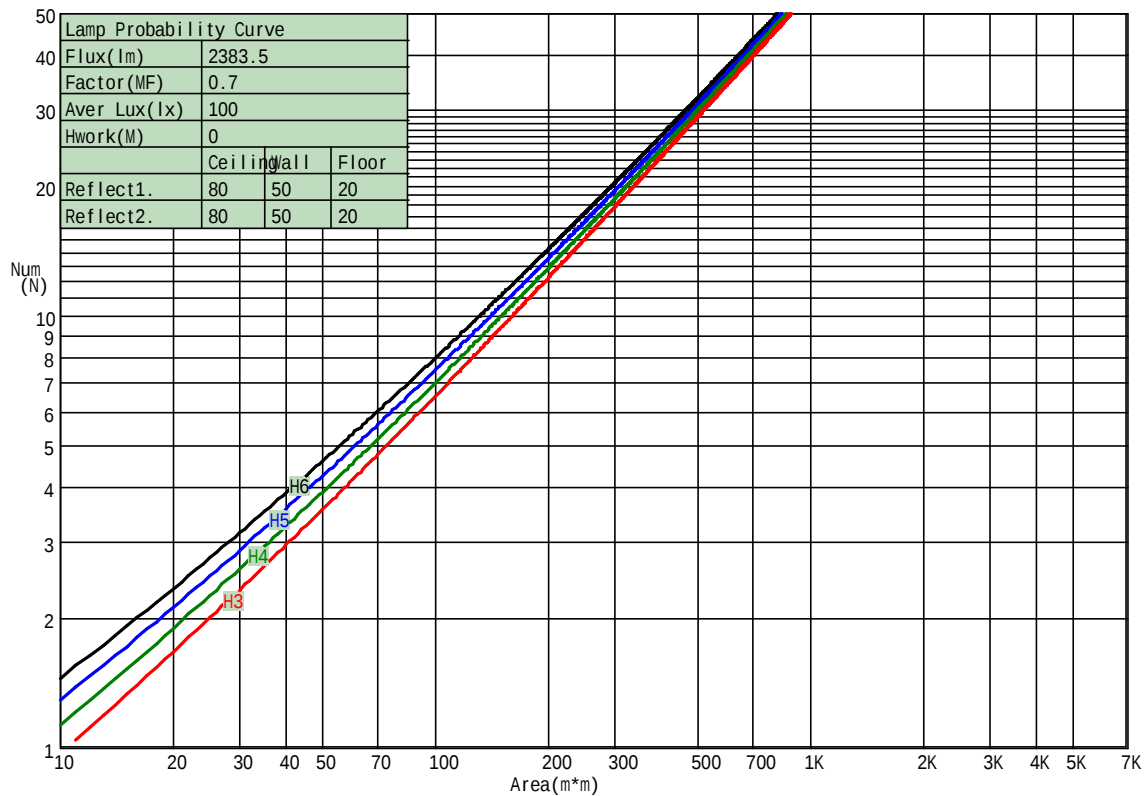
Humidity(%): 60

Date: 2018-8-11

Remark:

Measured Para U: 215.6V I: 127.0mA P: 26.90W PF: 0.984 Test LM: 2383.50lm		
Lamp Name: LPFL-30X	Lamp Type: Class I	Weight(kg):
Lamp ID: LPFL-30X	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: 2018-8-11

Remark:

Measured Para U: 215.6V I: 127.0mA P: 26.90W PF: 0.984 Test LM: 2383.50lm		
Lamp Name: LPFL-30X	Lamp Type: Class I	Weight(kg):
Lamp ID: LPFL-30X	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	55	40	31	53	40	31	50	38	30
0.80	59	43	32	56	42	32	53	40	31
1.00	61	45	33	59	43	32	54	41	31
1.25	64	46	33	61	44	32	55	41	31
1.50	65	47	33	62	45	32	56	42	30
2.00	67	48	33	64	46	32	57	42	30
2.50	68	49	32	64	46	31	57	42	29
3.00	69	49	32	65	47	31	57	41	28
4.00	70	50	32	66	47	30	57	41	27
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	1.06	1.03	0.99	1.04	1.01	0.98	1	0.97	0.95	0.96	0.94	0.92	0.93	0.91	0.89
2	0.94	0.88	0.83	0.92	0.87	0.82	0.89	0.84	0.8	0.86	0.82	0.78	0.83	0.8	0.77
3	0.84	0.76	0.7	0.82	0.75	0.7	0.79	0.73	0.68	0.76	0.72	0.67	0.74	0.7	0.66
4	0.75	0.66	0.6	0.73	0.66	0.6	0.71	0.64	0.59	0.69	0.63	0.58	0.66	0.62	0.58
5	0.67	0.59	0.52	0.66	0.58	0.52	0.64	0.57	0.51	0.62	0.56	0.51	0.6	0.55	0.5
6	0.6	0.52	0.46	0.6	0.52	0.46	0.58	0.51	0.45	0.56	0.5	0.45	0.55	0.49	0.45
7	0.55	0.47	0.41	0.54	0.46	0.41	0.53	0.45	0.4	0.51	0.45	0.4	0.5	0.44	0.4
8	0.5	0.42	0.36	0.49	0.42	0.36	0.48	0.41	0.36	0.47	0.41	0.36	0.46	0.4	0.36
9	0.46	0.38	0.33	0.46	0.38	0.33	0.44	0.37	0.33	0.43	0.37	0.32	0.42	0.37	0.32
10	0.43	0.35	0.3	0.42	0.35	0.3	0.41	0.34	0.3	0.4	0.34	0.29	0.39	0.34	0.29

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: 2018-8-11

Remark:

Measured Para U: 215.6V I: 127.0mA P: 26.90W PF: 0.984 Test LM: 2383.50lm		
Lamp Name: LPFL-30X	Lamp Type: Class I	Weight(kg):
Lamp ID: LPFL-30X	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	0.26	0.15	0.05	0.24	0.14	0.04	0.23	0.13	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	0.12	0.04
3	0.24	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	0.03	0.22	0.12	0.03	0.21	0.11	0.03	0.21	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	0.11	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	0.1	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	0.15	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	0.02	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: 2018-8-11

Remark:

Measured Para U: 215.6V I: 127.0mA P: 26.90W PF: 0.984 Test LM: 2383.50lm		
Lamp Name: LPFL-30X	Lamp Type: Class I	Weight(kg):
Lamp ID: LPFL-30X	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	963	965	954	957	985	973	957	951	0-5	23.1	23.1
10	966	965	927	958	959	968	967	948	5-10	68.5	91.6
15	945	935	915	932	951	916	915	902	10-15	111	203
20	912	902	896	911	940	897	886	866	15-20	151	354
25	881	888	842	892	880	876	863	839	20-25	186	539
30	819	861	780	851	823	816	819	798	25-30	214	753
35	754	797	717	789	771	738	761	730	30-35	233	986
40	697	721	657	725	702	673	697	657	35-40	242	1227
45	627	653	581	655	632	603	631	586	40-45	243	1470
50	546	585	475	571	554	520	563	517	45-50	235	1706
55	470	504	378	492	468	434	435	436	50-55	215	1921
60	346	417	263	416	340	302	312	312	55-60	183	2104
65	239	295	158	290	227	162	188	180	60-65	135	2239
70	140	182	45	168	122	60.2	83.6	68.1	65-70	81.2	2320
75	52	83.4	24.4	60.3	33.7	12.9	20.8	15.7	70-75	36.5	2357
80	21.2	24.8	15.7	22.1	13.6	8.81	14.4	9.12	75-80	12.6	2369
85	17.2	18.7	14.8	17.7	8.33	7.09	8.4	7.16	80-85	7.77	2377
90	15.8	15.4	14.6	14.6	7.23	6.82	6.59	6.84	85-90	6.31	2383
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: 2018-8-11

Remark:

Measured Para U: 215.6V I: 127.0mA P: 26.90W PF: 0.984 Test LM: 2383.50lm		
Lamp Name: LPFL-30X	Lamp Type: Class I	Weight(kg):
Lamp ID: LPFL-30X	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	963	964	965	961	956	954	956	960	973	985	980	974	968	960	955	953	952	957
10.0	966	965	965	952	935	934	948	958	958	959	963	967	967	967	963	954	950	958
15.0	945	941	936	929	920	919	926	934	942	951	935	920	916	915	912	906	907	926
20.0	912	908	904	900	897	899	906	914	927	940	921	901	893	888	882	872	871	892
25.0	881	884	887	873	852	853	876	891	885	880	878	877	872	866	858	847	844	863
30.0	819	838	857	835	798	796	828	848	835	823	820	817	817	819	815	805	800	810
35.0	754	773	792	771	734	733	765	787	779	771	757	742	746	756	754	740	733	744
40.0	697	707	719	700	671	672	703	723	712	702	690	676	681	692	688	670	661	679
45.0	627	638	650	630	597	597	631	652	642	632	620	606	612	625	621	601	591	609
50.0	546	563	581	549	499	496	539	569	561	554	539	524	534	553	553	532	521	533
55.0	470	485	500	463	406	403	455	489	478	468	453	438	434	435	435	435	439	455
60.0	346	377	409	366	297	296	366	408	373	340	323	306	305	310	312	312	316	331
65.0	239	264	289	250	188	187	247	283	254	227	198	169	170	182	186	183	187	213
70.0	140	158	177	137	74.8	71.8	127	163	142	122	95	66.9	67.8	78.5	80.2	73.2	76	109
75.0	52	65.7	80	64	37.3	32.3	48.6	57.4	45.3	33.7	24.6	15.2	15.5	19	19.6	17.3	19.6	36.1
80.0	21.2	22.7	24.4	21.8	17.7	17.1	20	21.2	17.3	13.6	11.5	9.34	10.6	13.1	13.2	10.8	10.4	15.9
85.0	17.2	17.8	18.5	17.4	15.7	15.5	16.8	16.7	12.4	8.33	7.79	7.23	7.52	8.11	8.13	7.56	8.25	12.8
90.0	15.8	15.6	15.4	15.1	14.8	14.6	14.6	13.8	10.5	7.23	7.05	6.87	6.75	6.64	6.64	6.76	7.82	11.9
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: 2018-8-11

Remark: