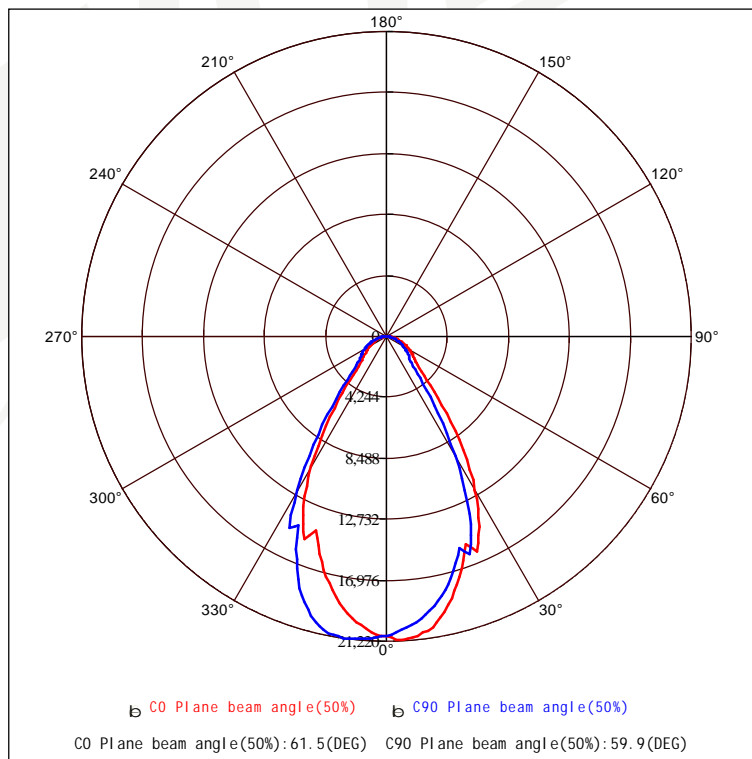


Goniophotometer Test Report

Measured Para U: 233.9V I: 1008.0mA P: 230.40W PF: 0.977 Test LM: 23688.50lm						
Lamp Name: LED FLOOD LIGHT		Lamp Type:		Weight(kg):		
Lamp ID: LPFL-250MT01		Lamp Spec: LPFL-250MT01		Shape Size:		
Manufactory: LIPER		Sur(m ²):		Protect Angle(Deg):		
Light Source Data			Photometric Data			
Model	LPFL-250MT01		Peak Value(cd)	21268.9	Efficiency(lm/w)	102.8
Nominal P(w)	250.0		Position	270.0, 7.0	UP(C0-C180)	0.0
Rated Volt(v)	1.0		Total Flux(lm)	23688.502	Down(C0-C180)	47.6
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)	52.4

Planar Intensity Distribution Curve



Gama Angle Range: -90 - 90(Deg)

Gama interval(Deg): 1

Temperature(Deg): 30

Tester: zxcg

Distance(m): 7.000

Test System: ZWL Goniophotometer System V3.0

C Angle Range: 0 - 180(Deg)

C interval(Deg): 45

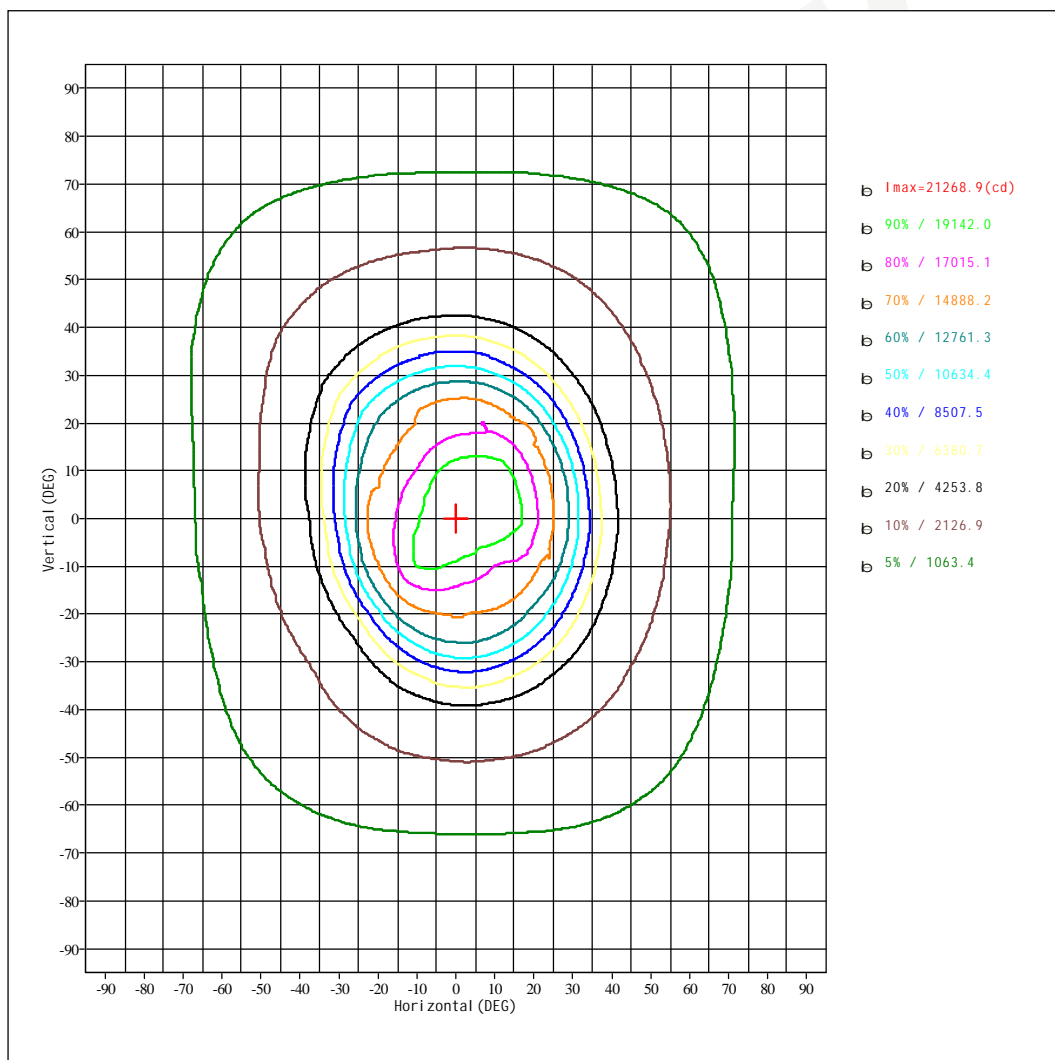
Humidity(%): 60

Date: 2026-4-7

Remark:

Measured Para U: 233.9V I: 1008.0mA P: 230.40W PF: 0.977 Test LM: 23688.50lm		
Lamp Name: LED FLOOD LIGHT	Lamp Type:	Weight(kg):
Lamp ID: LPFL-250MT01	Lamp Spec: LPFL-250MT01	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): 30

Tester: zxg

Distance(m): 7.000

Test System: ZWL Goniophotometer System V3.0

C Angle Range: 0 - 180(Deg)

C interval (Deg): 45

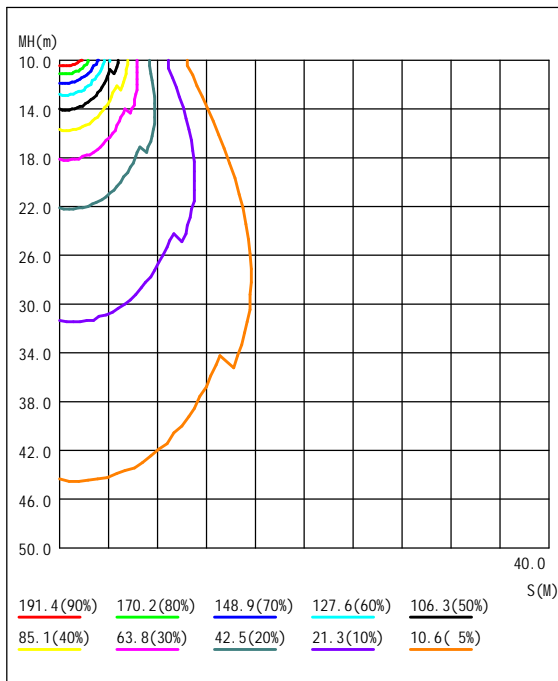
Humi di ty(%): 60

Date: 2026-4-7

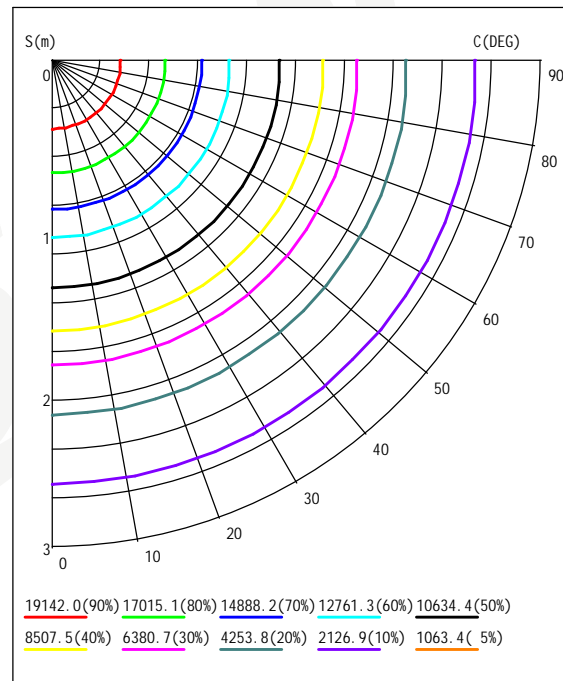
Remark:

Measured Para U: 233.9V I: 1008.0mA P: 230.40W PF: 0.977 Test LM: 23688.50lm		
Lamp Name: LED FLOOD LIGHT	Lamp Type:	Weight(kg):
Lamp ID: LPFL-250MT01	Lamp Spec: LPFL-250MT01	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): 30

Tester: zxcg

Distance(m): 7.000

Test System: ZWL Goniophotometer System V3.0

C Angle Range: 0 - 180(Deg)

C interval(Deg): 45

Humi di ty(%): 60

Date: 2026-4-7

Remark:

Measured Para U: 233.9V I: 1008.0mA P: 230.40W PF: 0.977 Test LM: 23688.50lm		
Lamp Name: LED FLOOD LIGHT	Lamp Type:	Weight(kg):
Lamp ID: LPFL-250MT01	Lamp Spec: LPFL-250MT01	Shape Si ze:
Manufactory: LIPER	Sur(m ²):	Protect Angle(Deg):

Luminance Limit Curve

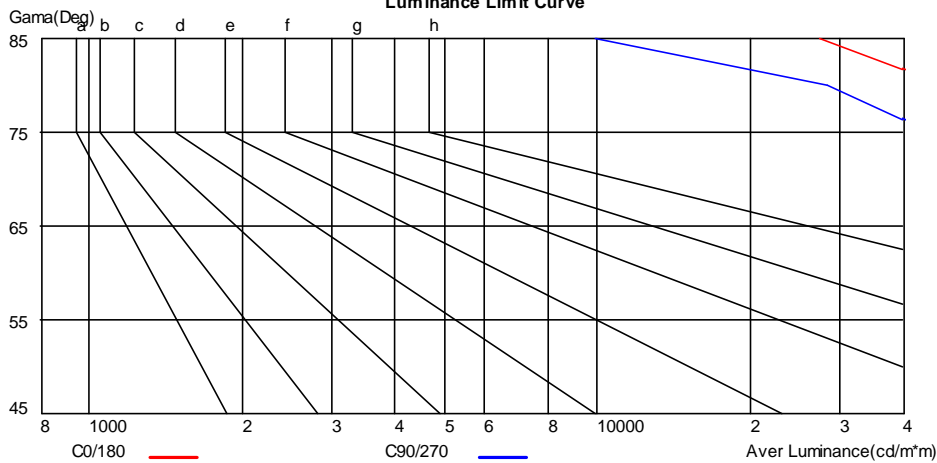
Aver Luminance(cd/m²m)

Gm(Deg)	45	50	55	60	65	70	75	80	85
C0	331449.2	253231.5	218624.8	181485.2	146666.3	112803.4	78332.9	48008.7	27478.2
C90	223314.1	193818.0	159352.9	129085.1	98873.2	69652.0	45507.8	28459.7	9903.9

Glare

Glare	Class	Illuminance(lx)							
		a	b	c	d	e	f	g	h
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

Luminance Limit Curve



Gama Angle Range: -90 - 90(Deg)

Gama interval(Deg): 1

Temperature(Deg): 30

Tester: zxg

Distance(m): 7.000

Test System: ZWL Goniophotometer System V3.0

C Angle Range: 0 - 180(Deg)

C interval(Deg): 45

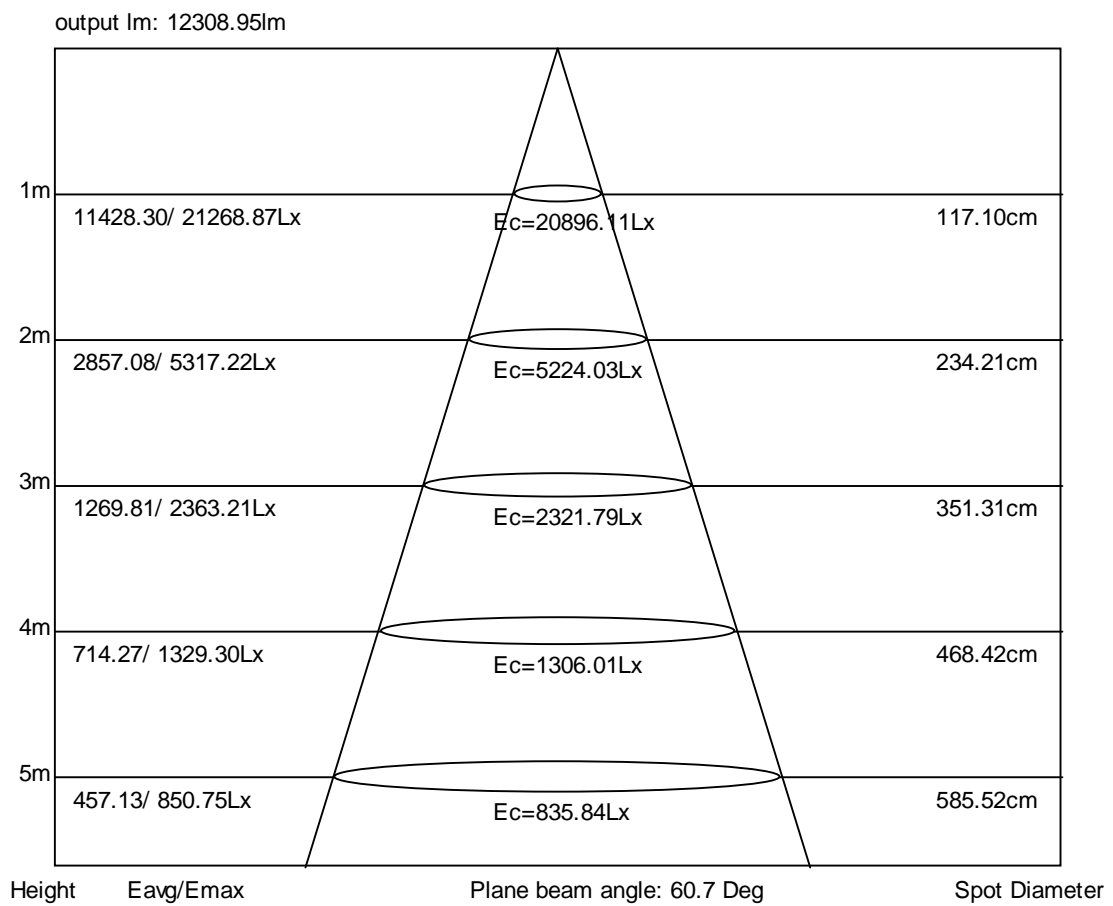
Humi di ty(%): 60

Date: 2026-4-7

Remark:

Measured Para U: 233.9V I: 1008.0mA P: 230.40W PF: 0.977 Test LM: 23688.50lm		
Lamp Name: LED FLOOD LIGHT	Lamp Type:	Weight(kg):
Lamp ID: LPFL-250MT01	Lamp Spec: LPFL-250MT01	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): 30

Tester: zxg

Distance(m): 7.000

Test System: ZWL Goniophotometer System V3.0

C Angle Range: 0 - 180(Deg)

C interval (Deg): 45

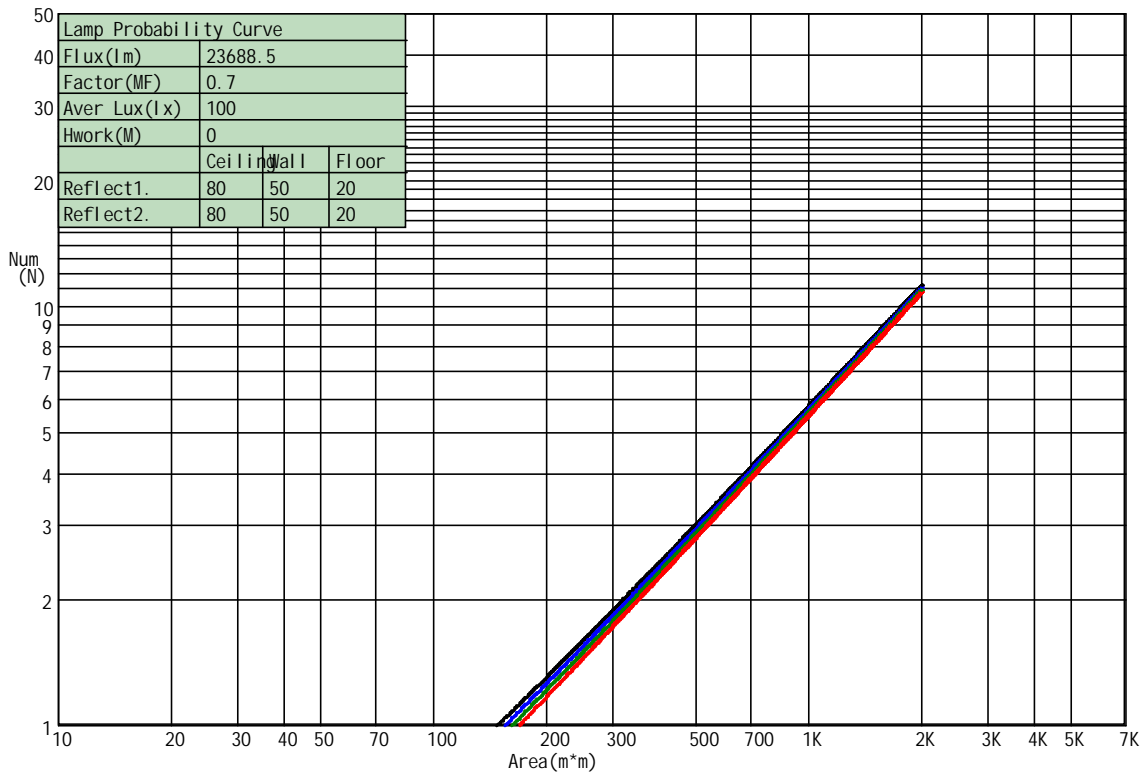
Humi di ty(%): 60

Date: 2026-4-7

Remark:

Measured Para U: 233.9V I: 1008.0mA P: 230.40W PF: 0.977 Test LM: 23688.50lm		
Lamp Name: LED FLOOD LIGHT	Lamp Type:	Weight(kg):
Lamp ID: LPFL-250MT01	Lamp Spec: LPFL-250MT01	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: zxcg

Distance(m): 7.000

Test System: ZWL Goniophotometer System V3.0

C Angle Range: 0 - 180(Deg)

C interval (Deg): 45

Humidity(%): 60

Date: 2026-4-7

Remark:

Measured Para U: 233.9V I: 1008.0mA P: 230.40W PF: 0.977 Test LM: 23688.50lm		
Lamp Name: LED FLOOD LIGHT	Lamp Type:	Weight(kg):
Lamp ID: LPFL-250MT01	Lamp Spec: LPFL-250MT01	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	50	35	26	49	34	25	46	33	25
0.80	54	37	26	52	36	26	48	34	25
1.00	57	39	27	55	38	26	50	36	25
1.25	60	41	27	57	40	27	51	37	25
1.50	62	43	28	59	41	27	52	37	25
2.00	65	45	29	61	43	28	54	39	26
2.50	67	46	30	63	44	28	55	39	26
3.00	68	47	30	64	45	29	56	40	26
4.00	70	49	31	65	46	29	56	40	26
5.00	71	50	31	66	47	30	57	41	26

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	1.08	1.05	1.02	1.06	1.03	1	1.02	0.99	0.97	0.98	0.96	0.94	0.95	0.93	0.92
2	0.98	0.93	0.89	0.97	0.92	0.88	0.93	0.89	0.86	0.9	0.87	0.84	0.87	0.85	0.82
3	0.9	0.84	0.79	0.88	0.83	0.78	0.86	0.81	0.77	0.83	0.79	0.76	0.81	0.77	0.74
4	0.83	0.76	0.71	0.81	0.75	0.7	0.79	0.74	0.69	0.77	0.72	0.69	0.75	0.71	0.68
5	0.76	0.69	0.64	0.75	0.69	0.64	0.73	0.68	0.63	0.72	0.67	0.63	0.7	0.66	0.62
6	0.71	0.64	0.59	0.7	0.63	0.58	0.68	0.62	0.58	0.67	0.62	0.58	0.65	0.61	0.57
7	0.66	0.59	0.54	0.65	0.59	0.54	0.64	0.58	0.53	0.62	0.57	0.53	0.61	0.56	0.53
8	0.62	0.55	0.5	0.61	0.54	0.5	0.6	0.54	0.5	0.59	0.53	0.49	0.58	0.53	0.49
9	0.58	0.51	0.46	0.57	0.51	0.46	0.56	0.5	0.46	0.55	0.5	0.46	0.54	0.49	0.46
10	0.54	0.48	0.43	0.54	0.47	0.43	0.53	0.47	0.43	0.52	0.47	0.43	0.51	0.46	0.43

Gama Angle Range: -90 - 90(Deg)

Gama interval (Deg): 1

Temperature(Deg): 30

Tester: zxcg

Distance(m): 7.000

Test System: ZWL Goniophotometer System V3.0

C Angle Range: 0 - 180(Deg)

C interval (Deg): 45

Humidity(%): 60

Date: 2026-4-7

Remark:

Measured Para U: 233.9V I: 1008.0mA P: 230.40W PF: 0.977 Test LM: 23688.50lm		
Lamp Name: LED FLOOD LIGHT	Lamp Type:	Weight(kg):
Lamp ID: LPFL-250MT01	Lamp Spec: LPFL-250MT01	Shape Si ze:
Manufactory: LIPER	Sur(m^2):	Protect Angle(Deg):

Wall Exi tance 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	0.23	0.13	0.04	0.22	0.13	0.04	0.21	0.12	0.04	0.2	0.11	0.04	0.19	0.11	0.03
2	0.22	0.12	0.04	0.21	0.12	0.04	0.2	0.11	0.03	0.19	0.11	0.03	0.18	0.1	0.03
3	0.2	0.11	0.03	0.2	0.11	0.03	0.19	0.1	0.03	0.18	0.1	0.03	0.17	0.09	0.03
4	0.19	0.1	0.03	0.19	0.1	0.03	0.18	0.09	0.03	0.17	0.09	0.03	0.16	0.09	0.03
5	0.18	0.09	0.03	0.17	0.09	0.03	0.17	0.09	0.03	0.16	0.08	0.03	0.15	0.08	0.02
6	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
7	0.16	0.08	0.02	0.16	0.08	0.02	0.15	0.08	0.02	0.14	0.07	0.02	0.14	0.07	0.02
8	0.15	0.07	0.02	0.15	0.07	0.02	0.14	0.07	0.02	0.14	0.07	0.02	0.13	0.07	0.02
9	0.14	0.07	0.02	0.14	0.07	0.02	0.14	0.07	0.02	0.13	0.07	0.02	0.13	0.06	0.02
10	0.14	0.06	0.02	0.13	0.06	0.02	0.13	0.06	0.02	0.12	0.06	0.02	0.12	0.06	0.02

Ceiling Cavi ty Exi tance 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	0.17	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	0.16	0.13	0.11	0.14	0.11	0.09	0.1	0.08	0.06	0.05	0.05	0.04	0.02	0.01	0.01
3	0.15	0.11	0.08	0.13	0.1	0.07	0.09	0.07	0.05	0.05	0.04	0.03	0.02	0.01	0.01
4	0.14	0.1	0.07	0.12	0.09	0.06	0.08	0.06	0.04	0.05	0.04	0.02	0.02	0.01	0.01
5	0.13	0.09	0.05	0.12	0.08	0.05	0.08	0.05	0.03	0.05	0.03	0.02	0.01	0.01	0.01
6	0.13	0.08	0.05	0.11	0.07	0.04	0.08	0.05	0.03	0.04	0.03	0.02	0.01	0.01	0.01
7	0.12	0.07	0.04	0.1	0.06	0.03	0.07	0.04	0.02	0.04	0.03	0.01	0.01	0.01	0
8	0.11	0.07	0.03	0.1	0.06	0.03	0.07	0.04	0.02	0.04	0.02	0.01	0.01	0.01	0
9	0.11	0.06	0.03	0.09	0.05	0.03	0.06	0.04	0.02	0.04	0.02	0.01	0.01	0.01	0
10	0.1	0.06	0.03	0.09	0.05	0.02	0.06	0.03	0.02	0.04	0.02	0.01	0.01	0.01	0

Gama Angle Range: -90 - 90(Deg)

C Angle Range:0 - 180(Deg)

Gama interval (Deg): 1

C interval (Deg): 45

Temperature(Deg): 30

Humi di ty(%): 60

Tester: zxcg

Date: 2026-4-7

Distance(m): 7.000

Remark:

Test System: ZWL Goni ophotometer System V3.0

Measured Para U: 233.9V I: 1008.0mA P: 230.40W PF: 0.977 Test LM: 23688.50lm		
Lamp Name: LED FLOOD LIGHT	Lamp Type:	Weight (kg):
Lamp ID: LPFL-250MT01	Lamp Spec: LPFL-250MT01	Shape Si ze:
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	21051	20533	20138	20594	20133	20376	21112	20721	0-5	496	496
10	20062	19053	18926	20361	18703	18652	21061	20610	5-10	1440	1936
15	18150	16684	17227	18951	16542	16365	20036	19925	10-15	2235	4171
20	15700	14306	16575	15543	14108	15979	17668	17876	15-20	2784	6955
25	14980	14226	13229	12660	13463	13656	14088	16199	20-25	3184	10139
30	11986	12000	9175	7925	10072	10667	11947	12062	25-30	3161	13300
35	8488	8839	5539	4324	6490	7208	7917	7850	30-35	2601	15901
40	5329	5584	3225	2492	3737	4351	4788	4741	35-40	1853	17754
45	3314	3434	2233	2415	2393	2952	3019	3017	40-45	1276	19030
50	2532	3134	1938	1774	1931	2281	2345	2792	45-50	1034	20064
55	2186	2036	1594	1262	1600	1661	2049	2406	50-55	911	20974
60	1815	1414	1291	981	1306	1243	1705	1725	55-60	752	21726
65	1467	1021	989	779	1024	932	1372	1267	60-65	614	22340
70	1128	780	697	609	747	723	1043	962	65-70	489	22830
75	783	643	455	433	493	574	723	711	70-75	374	23204
80	480	509	285	228	309	387	433	487	75-80	265	23469
85	275	276	99	82.4	85	126	240	287	80-85	155	23623
90	112	79.4	79.6	81	54.6	54	73.4	132	85-90	65.3	23689
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)

C Angle Range: 0 - 180(Deg)

Gama interval (Deg): 1

C interval (Deg): 45

Temperature(Deg): 30

Humi di ty(%): 60

Tester: zxg

Date: 2026-4-7

Distance(m): 7.000

Remark:

Test System: ZWL Goniophotometer System V3.0

Measured Para U: 233.9V I: 1008.0mA P: 230.40W PF: 0.977 Test LM: 23688.50lm		
Lamp Name: LED FLOOD LIGHT	Lamp Type:	Weight (kg):
Lamp ID: LPFL-250MT01	Lamp Spec: LPFL-250MT01	Shape Si ze:
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	21k	21k	21k	20k	20k	20k	20k	21k	20k	20k	20k	20k	21k	21k	21k	21k	21k	21k
10.0	20k	20k	19k	19k	19k	19k	20k	20k	19k	19k	19k	19k	19k	21k	21k	21k	21k	20k
15.0	18k	18k	17k	17k	17k	18k	18k	19k	18k	17k	16k	16k	18k	19k	20k	20k	20k	19k
20.0	16k	15k	14k	15k	16k	16k	16k	15k	15k	14k	15k	16k	17k	17k	18k	18k	18k	17k
25.0	15k	15k	14k	14k	13k	13k	13k	13k	13k	13k	14k	14k	14k	14k	15k	16k	16k	16k
30.0	12k	12k	12k	11k	9793	8902	8335	8160	9133	10k	10k	11k	11k	12k	12k	12k	12k	12k
35.0	8488	8641	8801	7756	6261	5273	4723	4561	5542	6490	6804	7129	7440	7761	7902	7872	7920	8209
40.0	5329	5440	5556	4810	3741	3064	2732	2628	3192	3737	4006	4284	4495	4693	4778	4756	4805	5071
45.0	3314	3367	3421	3040	2496	2273	2355	2412	2402	2393	2637	2890	2974	3004	3019	3018	3050	3184
50.0	2532	2796	3068	2742	2200	1902	1828	1791	1862	1931	2084	2243	2302	2331	2443	2645	2764	2646
55.0	2186	2120	2052	1891	1690	1521	1371	1299	1452	1600	1627	1654	1788	1964	2127	2289	2382	2282
60.0	1815	1640	1458	1374	1318	1223	1083	1016	1164	1306	1279	1250	1395	1604	1709	1719	1735	1776
65.0	1467	1272	1070	1010	996	943	848	806	917	1024	984	942	1076	1276	1349	1302	1289	1379
70.0	1128	976	818	753	715	677	637	624	686	747	736	726	828	973	1025	988	980	1055
75.0	783	722	659	582	496	450	440	440	467	493	528	565	623	691	721	715	719	752
80.0	480	493	506	436	334	272	247	237	274	309	343	378	402	423	445	469	486	483
85.0	275	275	276	218	138	95.4	87.8	82.6	83.8	85	103	122	163	215	250	272	286	280
90.0	112	98	83	79.5	79.5	79.9	80.5	78.1	66.1	54.6	54.3	54	60.4	69.2	86.2	113	130	121
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)

C Angle Range: 0 - 180(Deg)

Gama interval (Deg): 1

C interval (Deg): 45

Temperature(Deg): 30

Humi di ty(%): 60

Tester: zyg

Date: 2026-4-7

Distance(m): 7.000

Remark:

Test System: ZWL Goniophotometer System V3.0