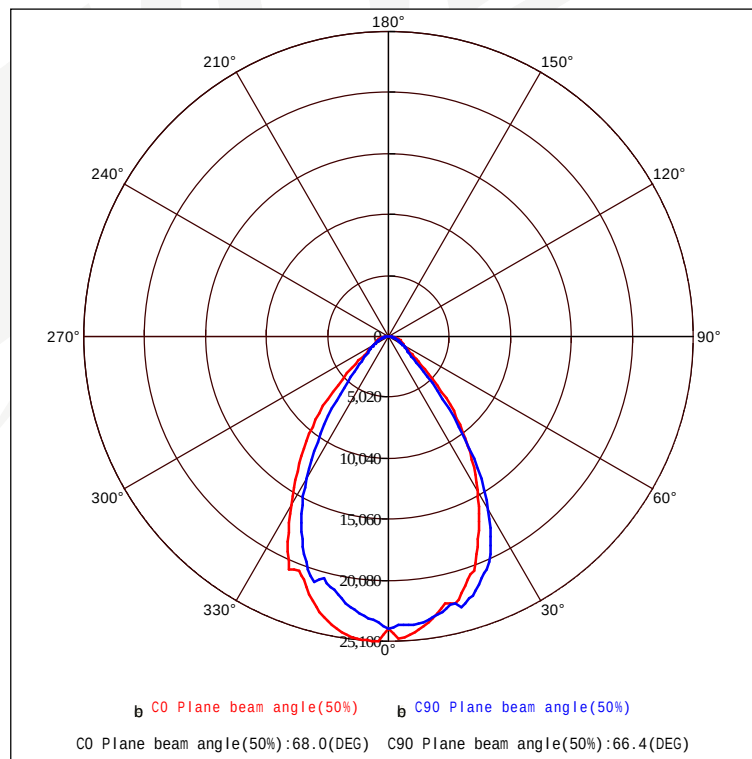


Goniophotometer Test Report

Measured Para U: 233.1V I: 1944.0mA P: 284.60W PF: 0.627 Test LM: 30776.48lm						
Lamp Name: LED FLOOD LIGHT			Lamp Type:		Weight(kg):	
Lamp ID: LPFL-300BT01			Lamp Spec: LPFL-300BT01		Shape Size:	
Manufactory: LIPER			Sur(m^2):		Protect Angle(Deg):	
Light Source Data			Photometric Data			
Model	LPFL-300BT01		Peak Value(cd)	25102.9	Efficiency(lm/w)	108.1
Nominal P(w)		1.0	Position	180.0,4.0	UP(C0-C180)	0.0
Rated Volt(v)		1.0	Total Flux(lm)	30776.479	Down(C0-C180)	52.6
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)	47.4

Planar Intensity Distribution Curve



Gama Angle Range: -90 - 90(Deg)

Gama interval(Deg): 1

Temperature(Deg): 30

Tester: zxc

Distance(m): 7.000

Test System: ZWL Goniophotometer System V3.0

C Angle Range: 0 - 180(Deg)

C interval(Deg): 45

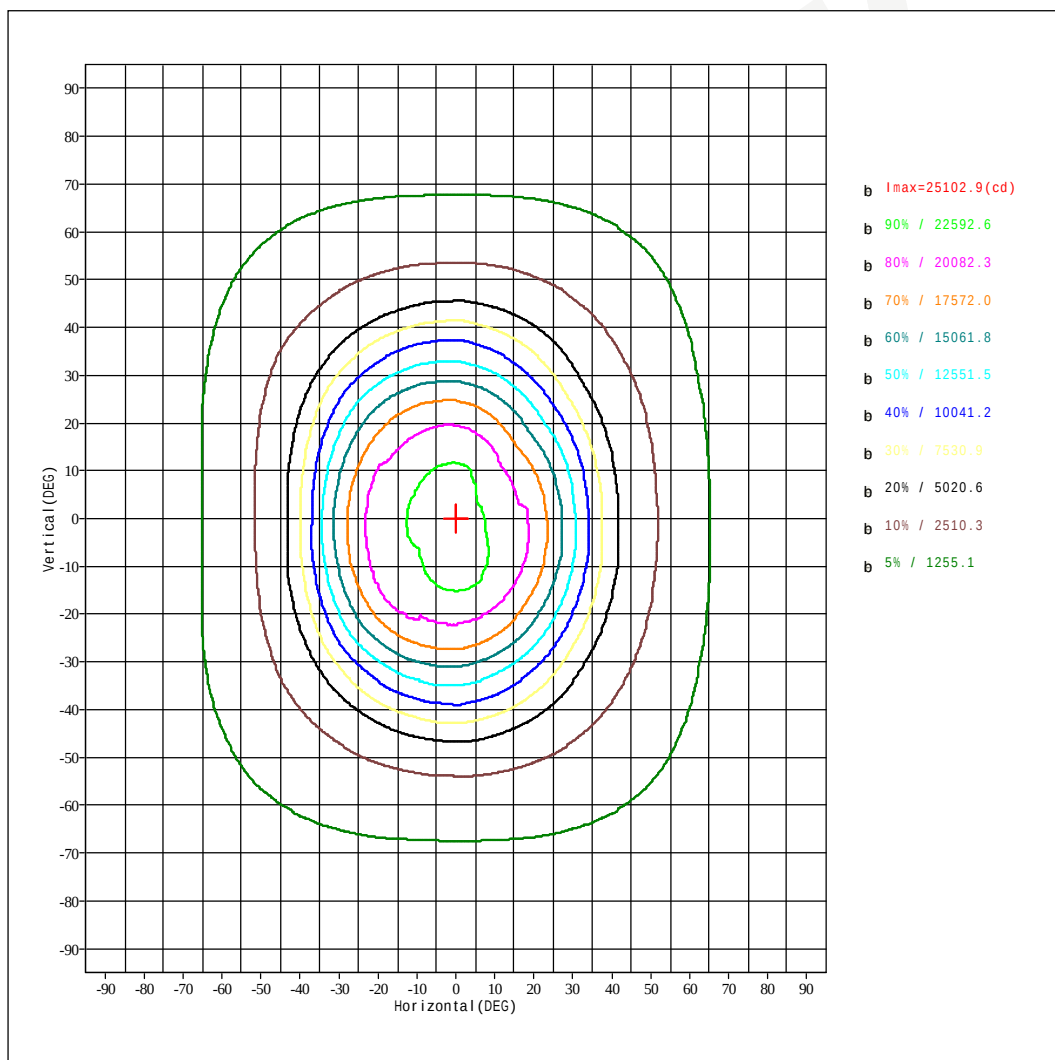
Humidity(%): 60

Date: 2026-1-28

Remark:

Measured Para U: 233.1V I: 1944.0mA P: 284.60W PF: 0.627 Test LM: 30776.48lm		
Lamp Name: LED FLOOD LIGHT	Lamp Type:	Weight(kg):
Lamp ID: LPFL-300BT01	Lamp Spec: LPFL-300BT01	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: zyg

Distance(m): 7.000

Test System: ZWL Goniophotometer System V3.0

C Angle Range:0 - 180(Deg)

C interval(Deg): 45

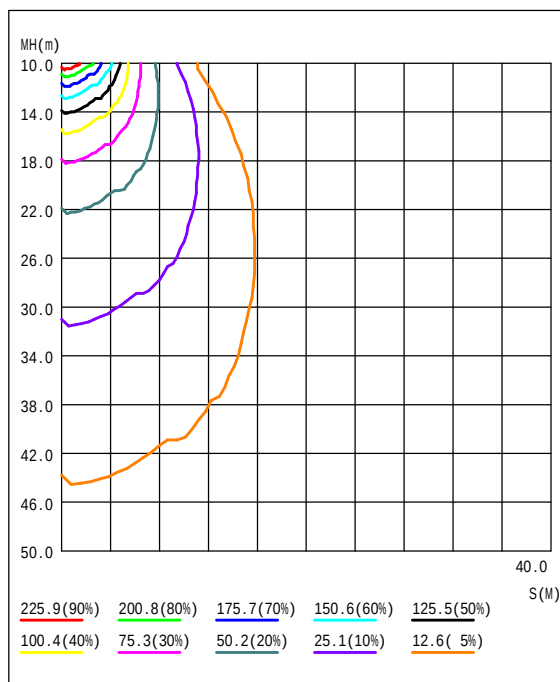
Humidity(%): 60

Date: 2026-1-28

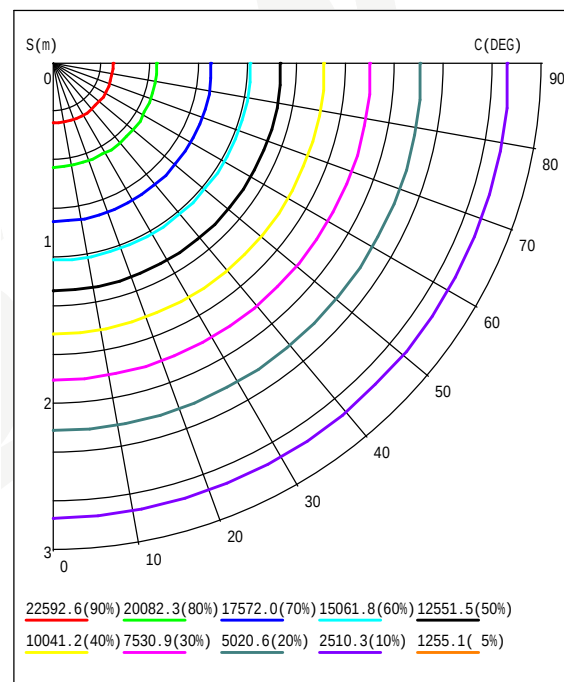
Remark:

Measured Para U: 233.1V I: 1944.0mA P: 284.60W PF: 0.627 Test LM: 30776.48lm		
Lamp Name: LED FLOOD LIGHT	Lamp Type:	Weight(kg):
Lamp ID: LPFL-300BT01	Lamp Spec: LPFL-300BT01	Shape Size:
Manufactory: LIPER	Sur(m^2):	Protect Angle(Deg):

Spatial ISOLUX Curve



Planar ISOLUX Curve



Gama Angle Range:-90 - 90(Deg)

Gama interval(Deg): 1

Temperature(Deg): 30

Tester: zyg

Distance(m): 7.000

Test System: ZWL Goniophotometer System V3.0

C Angle Range:0 - 180(Deg)

C interval(Deg): 45

Humidity(%): 60

Date: 2026-1-28

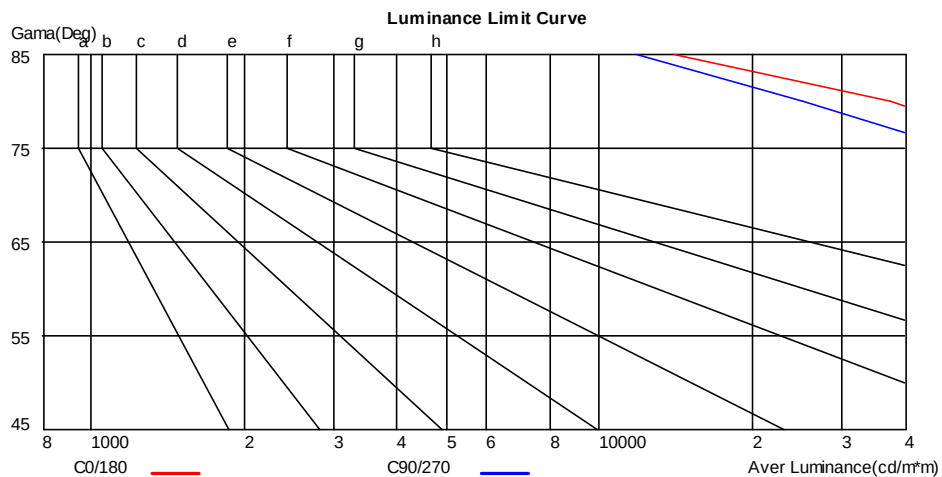
Remark:

Measured Para U: 233.1V I: 1944.0mA P: 284.60W PF: 0.627 Test LM: 30776.48lm		
Lamp Name: LED FLOOD LIGHT	Lamp Type:	Weight(kg):
Lamp ID: LPFL-300BT01	Lamp Spec: LPFL-300BT01	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	535809.1	305564.0	192159.4	139542.2	116117.8	104375.4	78300.0	37528.6	14020.4
C90	379608.4	219921.8	167870.1	127547.0	90533.9	67730.7	50995.8	25211.0	11877.6

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: zyg

Distance(m): 7.000

Test System: ZWL Goniophotometer System V3.0

C Angle Range:0 - 180(Deg)

C interval(Deg): 45

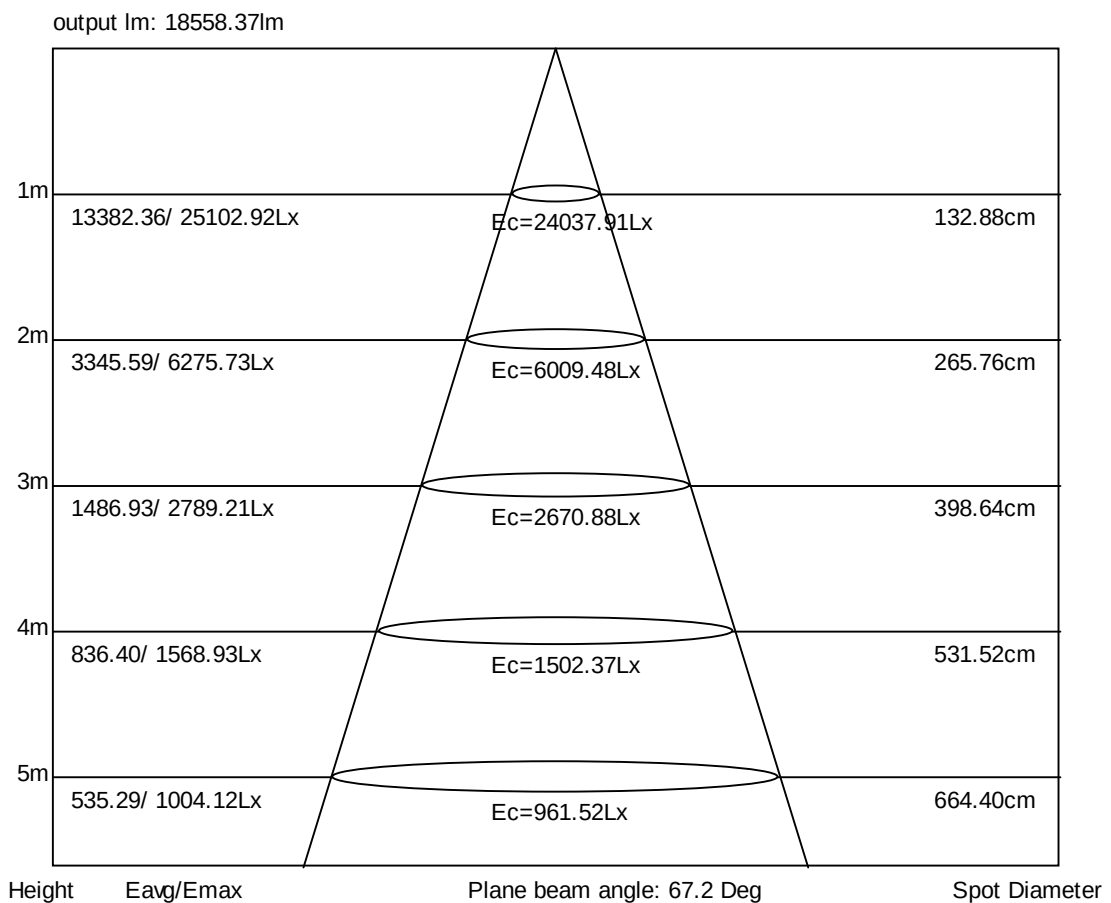
Humidity(%): 60

Date: 2026-1-28

Remark:

Measured Para U: 233.1V I: 1944.0mA P: 284.60W PF: 0.627 Test LM: 30776.48lm		
Lamp Name: LED FLOOD LIGHT	Lamp Type:	Weight(kg):
Lamp ID: LPFL-300BT01	Lamp Spec: LPFL-300BT01	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: zxcg

Distance(m): 7.000

Test System: ZWL Goniophotometer System V3.0

C Angle Range:0 - 180(Deg)

C interval(Deg): 45

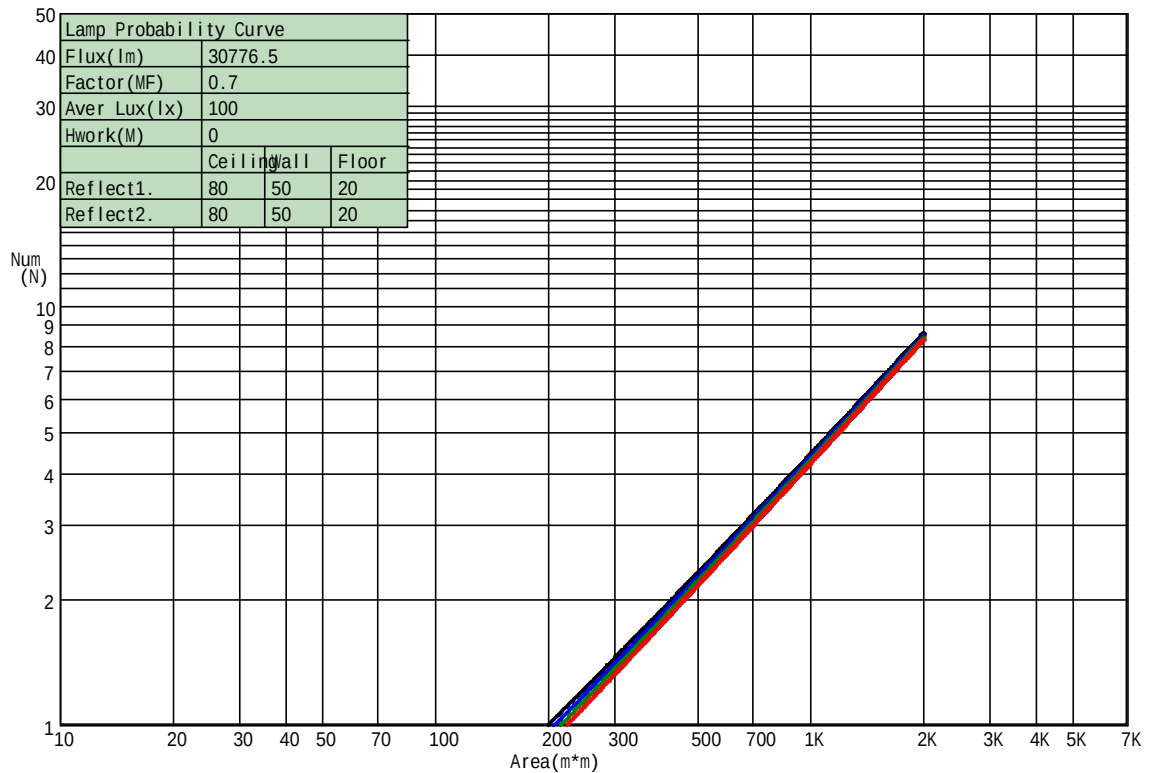
Humidity(%): 60

Date: 2026-1-28

Remark:

Measured Para U: 233.1V I: 1944.0mA P: 284.60W PF: 0.627 Test LM: 30776.48lm		
Lamp Name: LED FLOOD LIGHT	Lamp Type:	Weight(kg):
Lamp ID: LPFL-300BT01	Lamp Spec: LPFL-300BT01	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: 2026-1-28

Remark:

Measured Para U: 233.1V I: 1944.0mA P: 284.60W PF: 0.627 Test LM: 30776.48lm		
Lamp Name: LED FLOOD LIGHT	Lamp Type:	Weight(kg):
Lamp ID: LPFL-300BT01	Lamp Spec: LPFL-300BT01	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	54	40	31	53	39	31	50	38	30
0.80	57	41	30	55	40	29	51	38	28
1.00	59	42	30	57	40	29	52	38	28
1.25	61	43	29	58	41	28	52	38	27
1.50	63	44	29	59	42	28	53	38	26
2.00	65	46	30	62	43	29	55	39	27
2.50	67	47	30	63	44	29	55	39	26
3.00	68	48	30	64	45	29	56	40	26
4.00	70	50	31	66	47	30	57	41	27
5.00	71	51	32	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	1.09	1.06	1.03	1.06	1.04	1.01	1.02	1	0.98	0.99	0.97	0.95	0.95	0.94	0.92
2	0.99	0.94	0.9	0.97	0.93	0.89	0.94	0.9	0.87	0.91	0.88	0.85	0.88	0.85	0.83
3	0.91	0.85	0.8	0.89	0.84	0.79	0.86	0.82	0.78	0.84	0.8	0.77	0.81	0.78	0.75
4	0.83	0.77	0.71	0.82	0.76	0.71	0.8	0.74	0.7	0.78	0.73	0.69	0.76	0.72	0.68
5	0.77	0.7	0.65	0.76	0.69	0.64	0.74	0.68	0.64	0.72	0.67	0.63	0.7	0.66	0.63
6	0.71	0.64	0.59	0.7	0.64	0.59	0.69	0.63	0.58	0.67	0.62	0.58	0.66	0.61	0.57
7	0.66	0.59	0.54	0.65	0.59	0.54	0.64	0.58	0.54	0.63	0.57	0.53	0.61	0.57	0.53
8	0.61	0.55	0.5	0.61	0.54	0.5	0.6	0.54	0.49	0.59	0.53	0.49	0.57	0.53	0.49
9	0.57	0.51	0.46	0.57	0.5	0.46	0.56	0.5	0.46	0.55	0.49	0.46	0.54	0.49	0.45
10	0.54	0.47	0.43	0.53	0.47	0.43	0.52	0.47	0.43	0.52	0.46	0.42	0.51	0.46	0.42

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: 2026-1-28

Remark:

Measured Para U: 233.1V I: 1944.0mA P: 284.60W PF: 0.627 Test LM: 30776.48lm		
Lamp Name: LED FLOOD LIGHT	Lamp Type:	Weight(kg):
Lamp ID: LPFL-300BT01	Lamp Spec: LPFL-300BT01	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	0.22	0.12	0.04	0.21	0.12	0.04	0.2	0.11	0.04	0.19	0.11	0.03	0.18	0.1	0.03
2	0.21	0.11	0.04	0.2	0.11	0.03	0.19	0.11	0.03	0.18	0.1	0.03	0.17	0.1	0.03
3	0.2	0.11	0.03	0.19	0.1	0.03	0.18	0.1	0.03	0.17	0.1	0.03	0.17	0.09	0.03
4	0.19	0.1	0.03	0.18	0.1	0.03	0.17	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	0.02	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	0.07	0.02	0.13	0.06	0.02	0.13	0.06	0.02	0.13	0.06	0.02	0.12	0.06	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	0.17	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	0.09	0.08	0.07	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	0.06	0.11	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	0.07	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	0.07	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)

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: 2026-1-28

Remark:

Measured Para U: 233.1V I: 1944.0mA P: 284.60W PF: 0.627 Test LM: 30776.48lm		
Lamp Name: LED FLOOD LIGHT	Lamp Type:	Weight(kg):
Lamp ID: LPFL-300BT01	Lamp Spec: LPFL-300BT01	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	24413	24089	23789	23394	25062	23774	23024	23462	0-5	572	572
10	23019	23216	23226	23176	24347	22714	21791	22101	5-10	1674	2246
15	22223	21573	23310	22227	22851	22243	20402	20643	10-15	2660	4906
20	20221	21149	21522	20929	20954	20451	19515	18317	15-20	3476	8382
25	17309	18490	19482	19901	19237	17533	16611	15570	20-25	4048	12430
30	14332	15409	16113	16687	15736	14129	13118	12498	25-30	4140	16570
35	11378	12157	11835	12974	12505	10542	9338	9181	30-35	3819	20389
40	8470	8667	7245	9034	9429	6998	5865	6032	35-40	3145	23534
45	5358	5255	3796	5420	6187	4100	3476	3608	40-45	2258	25792
50	3056	2831	2199	2879	3337	2472	2338	2379	45-50	1431	27223
55	1922	1920	1679	1834	1956	1805	1817	1803	50-55	955	28178
60	1395	1567	1275	1448	1359	1449	1366	1461	55-60	745	28923
65	1161	1263	905	1168	1106	1130	954	1127	60-65	610	29533
70	1044	920	677	868	903	784	687	763	65-70	485	30018
75	783	562	510	550	706	461	490	432	70-75	362	30380
80	375	333	252	336	370	252	273	237	75-80	232	30612
85	140	159	119	162	118	92.4	95.6	82.9	80-85	111	30723
90	110	108	109	106	74.7	75.4	73.3	74.2	85-90	53.8	30776
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: 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: 2026-1-28

Remark:

Measured Para U: 233.1V I: 1944.0mA P: 284.60W PF: 0.627 Test LM: 30776.48lm		
Lamp Name: LED FLOOD LIGHT	Lamp Type:	Weight(kg):
Lamp ID: LPFL-300BT01	Lamp Spec: LPFL-300BT01	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	24k	24k	24k	24k	24k	24k	24k	24k	24k	25k	24k	24k	24k	23k	23k	23k	24k	24k
10.0	23k	23k	23k	23k	23k	23k	23k	23k	24k	24k	24k	23k	22k	22k	22k	22k	22k	23k
15.0	22k	22k	22k	22k	23k	23k	23k	22k	23k	23k	23k	22k	22k	21k	20k	21k	21k	22k
20.0	20k	21k	21k	21k	21k	21k	21k	21k	21k	21k	21k	21k	20k	20k	19k	19k	19k	19k
25.0	17k	18k	18k	19k	19k	20k	20k	20k	20k	19k	18k	18k	17k	17k	16k	16k	16k	17k
30.0	14k	15k	15k	16k	16k	16k	16k	17k	16k	16k	15k	14k	14k	13k	13k	13k	13k	14k
35.0	11k	12k	12k	12k	12k	12k	13k	13k	13k	13k	12k	11k	10k	9602	9304	9233	9422	10k
40.0	8470	8556	8645	8200	7556	7636	8447	9077	9256	9429	8366	7264	6626	6112	5901	5977	6299	7404
45.0	5358	5313	5267	4777	4115	4151	4887	5504	5852	6187	5274	4329	3896	3613	3505	3564	3799	4592
50.0	3056	2957	2856	2624	2337	2348	2656	2929	3137	3337	2959	2567	2428	2367	2347	2366	2453	2760
55.0	1922	1921	1921	1841	1732	1713	1783	1848	1903	1956	1890	1822	1809	1815	1814	1808	1816	1870
60.0	1395	1470	1548	1471	1339	1313	1391	1438	1398	1359	1398	1439	1421	1384	1386	1430	1454	1424
65.0	1161	1206	1252	1146	984	963	1082	1161	1133	1106	1117	1127	1072	992	992	1070	1131	1146
70.0	1044	989	933	840	730	719	806	872	888	903	851	797	753	709	704	738	793	921
75.0	783	686	586	545	521	519	537	567	638	706	599	488	471	484	477	451	470	629
80.0	375	357	337	306	270	270	308	340	355	370	319	265	259	269	265	249	252	315
85.0	140	148	157	146	128	128	148	158	137	118	107	95.2	93.5	94.9	92.8	87.1	89.2	115
90.0	110	109	108	108	109	108	107	102	88.2	74.7	75	75.3	74.7	73.8	73.5	73.9	78	94.2
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: zyg

Distance(m): 7.000

Test System: ZWL Goniophotometer System V3.0

C Angle Range:0 - 180(Deg)

C interval(Deg): 45

Humidity(%): 60

Date: 2026-1-28

Remark: